Yahoo Group Archive: tvnsp (2000 — 2002)

Yahoo Group summary: Treasure Valley Near Space Program, Inc

These Yahoo Groups messages were archived in WARC format by ArchiveTeam in 2016. This PDF was generated by Digital Library of Amateur Radio & Communications from the WARC files in 2026.

Date span: 2000-12-09 through 2002-12-31

Source WARC: tvnsp.bBR5Pp0.warc.gz

Source item: https://archive.org/details/yahoo-groups-2016-11-15T18-02-16Z-e9cd91

Messages included in this PDF: 5429

Message records with no body available in the source archive: 5

Messages omitted as spam from this PDF: 1

Yahoo replaced the domain portions of email addresses with @... in the archived messages. Characters lost in Yahoo's archived text appear as ?.

Messages are presented in ascending Yahoo message-ID order. Gaps indicate records absent from the source WARC or messages omitted from this PDF as spam.

1. First Message

Yahoo group: tvnsp (2000 — 2002)
Date: 2000-12-09 20:56:30 UTC
From: Lloyd Verhage
Topic: 1 Message: 1

So far 7 people have signed up for the TV NSP list. After Chrsitmas
I'd like to hold a get together. I'd like to discuss the last flight
and show its video. I'll also talk about the next launch and a
planned night launch for August.

Paul

2. Meeting?

Yahoo group: tvnsp (2000 — 2002)
Date: 2000-12-14 14:33:12 UTC
From: Paul Verhage
Topic: 2 Message: 2

Is the Ontario Club meeting tonight? I have a video from the recently recovered flight to show. Also, I want to let others know of the new listserv.

Paul

3. Meeting?

Yahoo group: tvnsp (2000 — 2002)
Date: 2000-12-15 19:02:06 UTC
From: Paul Verhage
Topic: 2 Message: 3

Would the TVNSP team like to get together over the holidays? I have the video to show.

Also, we need to pass the word around about subscribing to the listserv. There's only 7 people so far.

Paul

4. Re: [tvnsp] Meeting?

Yahoo group: tvnsp (2000 — 2002)
Date: 2000-12-15 19:17:26 UTC
From: Chuck
Topic: 2 Message: 4

Hi Paul
Yes we would be interested in seeing the movie that you have....
Please let us know when and where, and if we can we will be there.

Thanks

Chuck & Silvie Smith
Ontario

5. Re: [tvnsp] Meeting?

Yahoo group: tvnsp (2000 — 2002)
Date: 2000-12-17 01:28:14 UTC
From: Chuck
Topic: 2 Message: 5

Hi Paul
Yes we would be interested in seeing the movie that you have....
Please let us know when and where, and if we can, we will be there.

Thanks

Chuck & Silvie Smith
Ontario

6. Vacation Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2000-12-18 22:59:27 UTC
From: Paul Verhage
Topic: 6 Message: 6

I'm thinking of holding a TVNSP meeting on Saturday, 30 Dec. Since we have people in Boise and Ontario, I'm thinking about holding it at the Idaho Pizza Co. in Caldwell. It would be scheduled for about 5:00 pm.

Would this work for everyone?

If so, please pass the word. I'll bring the new capsule and the video tape taken from the last flight.

Paul

7. Re: [tvnsp] Vacation Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2000-12-19 02:45:08 UTC
From: Mike & Tami Cline
Topic: 6 Message: 7

works if it is held early i need to be at work at 6 pm
mike

8. Status, 19 Dec

Yahoo group: tvnsp (2000 — 2002)
Date: 2000-12-19 14:41:57 UTC
From: Paul Verhage
Topic: 8 Message: 8

We'll plan for a lunch time get together on Saturday, 30 Dec. Location will be the Caldwell Idaho Pizza. The new nearcraft transmitted data over packet last night. I was able to get a fix on 5 GPS satellites through the ceiling of the apartment. The TNC does not start up in transparent mode, so the on-board electronics must send the TRANS command. I need to set up a proper relay for data, I think UFO helped me with that last time. Can anyone help me with that again?

More later, the school bell just rang

Paul

9. RE: [tvnsp] Status, 19 Dec

Yahoo group: tvnsp (2000 — 2002)
Date: 2000-12-19 18:31:05 UTC
From: Paul Verhage
Topic: 8 Message: 9

> More later, the school bell just rang

Class is out, thank goodness.

The next launch will carry a 35mm camera with IR film. I currently have a digital camera undergoing modification for computer control. If this can be accomplished, then the flight will also carry the digital camera. I also plan to test the pager on this next flight.

I'd like to carry a camcorder on a short flight (300 gram balloon) to record a landing.

I'm in the process of putting together a recruiting video. It will use video from previous flights. I have an estimate on color brochures which I'd like to hand out at future launches or libraries. I'm also planning to set up a display at the Mall in Boise. Woul;d anyone like to help me man it?

I am designing the TVNSP webpages at home. Once they are written, I need to find a website that will let me host them. Does anyone have any recommendations?

So, I'm keeping busy and hope to fly shortly.

Paul

10. Re: [tvnsp] Vacation Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2000-12-21 03:00:21 UTC
From: Randy Farley
Topic: 6 Message: 10

It works for me Paul, unless the weather or roads are too nasty.

Paul Verhage wrote:

> I'm thinking of holding a TVNSP meeting on Saturday, 30 Dec. Since we have
> people in Boise and Ontario, I'm thinking about holding it at the Idaho
> Pizza Co. in Caldwell. It would be scheduled for about 5:00 pm.
>
> Would this work for everyone?
>
> If so, please pass the word. I'll bring the new capsule and the video tape
> taken from the last flight.
>
> Paul
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com

--
Regards,
Randy Farley
N7GPS -Ham Call-
My Home at: http://map.findu.com/n7gps
Find my pickup at: http://map.findu.com/n7gps-9
or Find my ATV at: http://map.findu.com/n7gps-7

11. Web Hosting

Yahoo group: tvnsp (2000 — 2002)
Date: 2000-12-25 16:50:45 UTC
From: Paul Verhage
Topic: 11 Message: 11

I checked out the hostpro site about webpage hosting. For $20 a month they will let me have 100 Mb of disk space. Does anyone have a better lead? I need a site that's sure to be up 24/7 and not change when the "owner" leaves.

Thanks for any help,
Paul

12. Lunch Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2000-12-27 00:00:02 UTC
From: Paul Verhage
Topic: 12 Message: 12

I've scheduled the Idaho Pizza Co in Caldwell for this Saturday at noon. At the lunch meeting I'll describe the next set of launches and show the video. Please attend.

The Pizza Co is located on Nampa-Caldwell Blvd, midway between Caldwell and Nampa.

Paul

13. Re: [tvnsp] Lunch Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2000-12-30 15:02:42 UTC
From: Mike & Tami Cline
Topic: 12 Message: 13

paul i just can not make today to the meeting. i have to work tonight at
7 and noon is midnight to me. i work thursday thu Saturday 7pm to 7am.
sorry that i am going to miss it. i will try again next time.
73 mike kc7zhp

14. Palm Pilot APR's software

Yahoo group: tvnsp (2000 — 2002)
Date: 2000-12-31 03:22:36 UTC
From: Jeff Melanson
Topic: 14 Message: 14

Paul,
I was visiting the TAPR website and found that they have APR's
software for the palm pilot.

http://www.tapr.org/tapr/html/gpsf.html

I wonder how well this would work for tracking the balloons? Comments
anyone?

15. Re: [tvnsp] Palm Pilot APR's software

Yahoo group: tvnsp (2000 — 2002)
Date: 2000-12-31 15:23:50 UTC
From: Randy Farley
Topic: 14 Message: 15

Hello
I have been using the Palm software on my Palm IIIc. Have not used it to track a balloon yet,but i think it will work ok. The maps are not as good as a laptop setup, but for tracking on a budget and with limited space, i think they are sufficient.
The unit is nice to use when you do not have room for a laptop. There is a very nice terminal window which shows all data being received so you can get current lat./lon. readings from the transmitting balloon along with other data.
I use use the DB25 serial port on the back of my KPC+ to connect to the Palm.
I have a dedicated cable that alows me to plug into my Palm in a manner of seconds. I can be on the air transmitting / receiving data or messages in about two minutes.
You can try the program for free and see if you like it. It is very well written and easy to use. Dont know how well it will work on a Palm with only 2mb of memory. Probably pretty slow. I have 8mb and the maps load quite quickly on my unit.
One side note,my color Palm is nice, but it is hard to see in bright sunlight. If you have a black and white Palm, i think the maps will be much easier to see. Have the same problem with a color screen on my laptop also.
Anyway, i am very happy with the program. My $.02 worth

Jeff Melanson wrote:

> Paul,
> I was visiting the TAPR website and found that they have APR's
> software for the palm pilot.
>
> http://www.tapr.org/tapr/html/gpsf.html
>
> I wonder how well this would work for tracking the balloons? Comments
> anyone?
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com

--
Regards,
Randy Farley
N7GPS -Ham Call-
My Home at: http://map.findu.com/n7gps
Find my pickup at: http://map.findu.com/n7gps-9
or Find my ATV at: http://map.findu.com/n7gps-7

16. Status

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-01-08 22:09:34 UTC
From: Lloyd Verhage
Topic: 16 Message: 16

My email access fades in and out. I didn't have email for an entire week at the campus.

We have 13 subscribes at this time.

The next meeting will be in another week, the 20th, I think. I'll bring a laptop to show how to run the prediction software. I'll hold the meeting at the same location as last time.

Paul

17. Webpages

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-01-08 22:38:42 UTC
From: Lloyd Verhage
Topic: 17 Message: 17

The TVNSP webpages are set up.

Check out http://www.the-one.com/tvnsp
Thanks Doug.

I'll be fixing the links page tonight. Doug, what's the URL for BOI?

Paul

18. Re: [tvnsp] Status

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-01-09 00:55:57 UTC
From: Jeff Melanson
Topic: 16 Message: 18

Hi Paul and all,

I have purchased a laptop computer through ebay. It is a Pentium 133 with 24MB of memory and a 750MB Hard drive. It should arrive this week. It comes with windows 3.11. I will gladly load it with the prediction software and bring it to the next meeting to help out. All I need is instructions. Where do I get the software and what data do I download to bring to the meeting? Will windows 3.11 be okay or do I have to upgrade it? Also I will need help on setting it up to track the balloons. Which TNC do I need. What software? Do I need a GPS if I'm just tracking? I have an Alinco DJ-162 handheld. Will that work for the receiver? Any help is appreciated.

Thanks,
Jeff
KD7INN

19. RE: [tvnsp] Status

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-01-09 14:21:59 UTC
From: Paul Verhage
Topic: 16 Message: 19

I have purchased a laptop computer through ebay. It is a Pentium 133 with 24MB of memory and a 750MB Hard drive. It should arrive this week. It comes with windows 3.11. I will gladly load it with the prediction software and bring it to the next meeting to help out. All I need is instructions. Where do I get the software and what data do I download to bring to the meeting? Will windows 3.11 be okay or do I have to upgrade it? Also I will need help on setting it up to track the balloons. Which TNC do I need. What software? Do I need a GPS if I'm just tracking? I have an Alinco DJ-162 handheld. Will that work for the receiver? Any help
is appreciated.

Congrats on the laptop.
For the balloon tracking program, go to www.eoss.org Then select their balloon software page. I don't know if it will run under 3.11, I'll take a peek and see. As for a TNC, anyone should work. I use the KPC3. It's made by Kantronics out of Kansas. I need to set up my laptop for APRS, also. Perhaps we ought to have a meeting over that specifically.

How about it?
Anyone interested in having the Feb meeting about setting up APRS? I think we'll need the help of Randy and Doug.

Paul

20. Re: [tvnsp] Status

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-01-10 02:14:06 UTC
From: Randy Farley
Topic: 16 Message: 20

Hi Paul, Jeff and Everyone

I can bring my laptop with APRS+SA and demonstrate it if anyone would be interested. I used to have WinAPRS loaded, but due to limited hard drive space i deleted it.
I know Doug and several of the other Boise hams use winAPRS so they should be able to help there. I can bring my portable tracker setup if anyone would like to see a good mobile setup. Also it would be nice to see someone bring a Kenwood D700 and TH-D7A with built in tnc's.

Jeff, you will not need a gps to track the balloon. All you will need is a radio and tnc hooked to the laptop. Maybe after you see the different software,radio,laptop and tnc's combo's you can make a good decision to fit your needs.

Might make for a long meeting, but sounds like fun. Go for it.

Paul Verhage wrote:

> I have purchased a laptop computer through ebay. It is a Pentium 133
> with 24MB of memory and a 750MB Hard drive. It should arrive this week.
> It comes with windows 3.11. I will gladly load it with the prediction
> software and bring it to the next meeting to help out. All I need is
> instructions. Where do I get the software and what data do I download to
> bring to the meeting? Will windows 3.11 be okay or do I have to upgrade
> it? Also I will need help on setting it up to track the balloons. Which
> TNC do I need. What software? Do I need a GPS if I'm just tracking? I
> have an Alinco DJ-162 handheld. Will that work for the receiver? Any
> help
> is appreciated.
> ---------------------------------
>
> Congrats on the laptop.
> For the balloon tracking program, go to www.eoss.org Then select their
> balloon software page. I don't know if it will run under 3.11, I'll take a
> peek and see. As for a TNC, anyone should work. I use the KPC3. It's made
> by Kantronics out of Kansas. I need to set up my laptop for APRS, also.
> Perhaps we ought to have a meeting over that specifically.
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> How about it?
> Anyone interested in having the Feb meeting about setting up APRS? I think
> we'll need the help of Randy and Doug.
>
> Paul
>
> To unsubscribe from this group, send an email to:

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--
Regards,
Randy Farley
N7GPS -Ham Call-
My Home at: http://map.findu.com/n7gps
Find my pickup at: http://map.findu.com/n7gps-9
or Find my ATV at: http://map.findu.com/n7gps-7

21. Re: [tvnsp] Status

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-01-10 03:13:26 UTC
From: Jeff Melanson
Topic: 16 Message: 21

Hi Randy and everyone,

I would definitely like to see your setup. If anyone else can bring their setup for show and tell that would be great. I am a beginner here and any help would be appreciated. It's okay with me if the meeting runs long. Sounds fun.

Thanks Randy,

KD7INN
Jeff

Randy Farley wrote:

> Hi Paul, Jeff and Everyone
>
> I can bring my laptop with APRS+SA and demonstrate it if anyone would be
> interested. I used to have WinAPRS loaded, but due to limited hard drive space i
> deleted it.
> I know Doug and several of the other Boise hams use winAPRS so they should be
> able to help there. I can bring my portable tracker setup if anyone would like
> to see a good mobile setup. Also it would be nice to see someone bring a Kenwood
> D700 and TH-D7A with built in tnc's.
>
> Jeff, you will not need a gps to track the balloon. All you will need is a radio
> and tnc hooked to the laptop. Maybe after you see the different
> software,radio,laptop and tnc's combo's you can make a good decision to fit your
> needs.
>
> Might make for a long meeting, but sounds like fun. Go for it.

22. NASA BALLOON RESEARCH RIDES TO THE EDGE OF SPACE

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-01-11 17:08:13 UTC
From: kc7dba@arrl.net
Topic: 22 Message: 22

Hmmm, Doesn't this sound familiar? ;-)

Date:
Thu, 11 Jan 2001 11:20:17 -0500 (EST)
From:
NASANews@...
To:
undisclosed-recipients:;

Dolores Beasley
Headquarters, Washington, DC January 11, 2001
(Phone: 202-358-1753)

Keith Koehler
Wallops Flight Facility, Wallops Island, VA
(Phone: 757-824-1579)

Betty Flowers
Balloon Launching Station, Alice Springs Airport, Australia
(Phone: 61-8-8952-6315)

RELEASE: 01-03

NASA BALLOON RESEARCH RIDES TO THE EDGE OF SPACE

The countdown is underway for the launch of a revolutionary research-balloon designed to fly higher and longer than anything before it, and the flight could open a new era in scientific research.

NASA's new Ultra-Long Duration Balloon (ULDB) is scheduled to lift off Jan. 16 from Alice Springs, Australia, and will carry the hopes of many scientists who see balloon technology as an economical means of studying the Earth and space.

"Although balloons have been flying for more than 200 years and scientists have long used them for a variety of research missions, the length of time balloons can stay aloft has always constrained their efforts," said Steve Smith, Chief of the Balloon Program Office, NASA Goddard Space Flight Center's Wallops Flight Facility, Wallops Island, VA. "Thanks to greatly enhanced computer technologies, high-tech materials and advanced designs, longer-range balloons are poised to open a new frontier for high-altitude research".

The balloon is expected to float over the Southern Hemisphere at an altitude of approximately 115,000 feet (35 kilometers),

3 to 4 times higher than passenger planes. While the test flight is expected to last only about two weeks and circumnavigate the globe, the ULDB is designed to support missions for up to 100 days.

"Balloons provide cost-effective platforms for near-space observations," said Dr. Vernon Jones, Office of Space Science, NASA Headquarters, Washington, DC. "This January flight provides an excellent opportunity to test the newly designed ULDB system."

The full-scale ULDB is the largest single-cell, super-pressure (fully sealed) balloon ever flown. At launch, the balloon is partially inflated with helium and expands as it rises. When fully inflated, the massive ULDB would barely fit inside a domed football stadium.The ULDB floats above 99 percent of the Earth's atmosphere and can carry a 3,500-pound (1.588-kilogram) payload. The balloon system comes down in a controlled descent. It may be visible from the ground with a telescope and, in some cases, with the naked eye.

The ULDB's unique pumpkin-shaped design and its novel material, a lightweight polyethylene film about the thickness of ordinary plastic food-wrap, were successfully tested during a prototype flight from Ft. Sumner, NM, last June.

"Recent development of new balloon materials and associated technologies will enable challenging, important investigations to be done at relatively modest cost," said Jones. He added that the ability to fly balloons for months or years at a time would create a multitude of scientific and business opportunities.

Conventional high-altitude, scientific balloon flights typically last a few days to a week because temperature changes from day to night ultimately cause the balloon to lose altitude. The ULDB is completely sealed, so gas is not vented to relieve pressure. The new super-pressure balloon will maintain lift, size and shape, and will not lose significant altitude due to atmospheric influences.

Future science missions for the ULDB will study the source of cosmic rays generated from shock waves emanating from supernovae and will perform surveys of X-ray emiting objects in the universe, search for planets around other nearby stars and will study other objects in space, including the Sun.

The Wallops Flight Facility manages NASA's scientific balloon program for the Office of Space Science. Launch operations are conducted by the National Scientific Balloon Facility, Palestine, TX, which is managed for NASA by the Physical Sciences Laboratory of New Mexico State University, Las

Cruces. Australian operational support to NASA is provided by
the Commonwealth Scientific Industrial Research Organization.

More information on the Ultra-Long Duration Balloon mission
and tracking of the balloon flight can be found at:

http://www.wff.nasa.gov/pages/scientificballoons.html

-end

* * *

NASA press releases and other information are available automatically
by sending an Internet electronic mail message to domo@....
In the body of the message (not the subject line) users should type
the words "subscribe press-release" (no quotes). The system will
reply with a confirmation via E-mail of each subscription. A second
automatic message will include additional information on the service.
NASA releases also are available via CompuServe using the command
GO NASA. To unsubscribe from this mailing list, address an E-mail
message to domo@..., leave the subject blank, and type only
"unsubscribe press-release" (no quotes) in the body of the message.

23. Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-01-12 14:50:38 UTC
From: Lloyd Verhage
Topic: 23 Message: 23

Don't forget, we'll have a meeting next Saturday, the 20th at Idaho Pizza Co in Caldwell. It starts at noon. The agenda is to cover balloon flight predictions. Bring a diskette or laptop to get a copy of the software. I'll have some handouts.

I'm also bringing an audio CD of voice traffic over a balloon based repeater.

Paul

24. Re: [tvnsp] NASA BALLOON RESEARCH RIDES TO THE EDGE OF SPACE

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-01-13 17:18:38 UTC
From: Randy Farley
Topic: 22 Message: 24

Maybe they could share some ot the funds with us. Looks like they spare no expense for good stuff. Noticed the huge truck with helium.

BTW,what is the tube trailing off the side of their baloon? Is that some sort of stabilizer or a venting tube or something. Inquiring minds would like to know?

kc7dba@... wrote:

> Hmmm, Doesn't this sound familiar? ;-)
>
> Date:
> Thu, 11 Jan 2001 11:20:17 -0500 (EST)
> From:
> NASANews@...
> To:
> undisclosed-recipients:;
>
> Dolores Beasley
> Headquarters, Washington, DC January 11, 2001
> (Phone: 202-358-1753)
>
> Keith Koehler
> Wallops Flight Facility, Wallops Island, VA
> (Phone: 757-824-1579)
>
> Betty Flowers
> Balloon Launching Station, Alice Springs Airport, Australia
> (Phone: 61-8-8952-6315)

>

--
Regards,
Randy Farley
N7GPS -Ham Call-
My Home at: http://map.findu.com/n7gps
Find my pickup at: http://map.findu.com/n7gps-9
or Find my ATV at: http://map.findu.com/n7gps-7

25. Balloon Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-01-15 19:01:46 UTC
From: Lloyd Verhage
Topic: 25 Message: 25

My email is not up and running (again). Once it is, I'll reply back to any questions. In the meantime, don't forget, there will be a meeting this Saturday (20th) at noon. The meeting will be held at the Idaho Pizza Company in Caldwell. They are located on Nampa-Caldwell Blvd, about midway between Nampa and Caldwell. The topic will be flight prediction. Bring a laptop or a diskette as I will have copies of the balloob tracker software available.

Paul

26. Near Space Camcorder

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-01-17 19:08:42 UTC
From: Paul Verhage
Topic: 26 Message: 26

I'm looking for a Sony camcorder with video in and video out. Apparently many of the Sony's can use their video out port to also bring video in for recording on the camcorder's tape deck. If you have one you would like to sell, or know where I can pick up a used one, please let me know.

27. Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-01-20 22:18:33 UTC
From: Lloyd Verhage
Topic: 23 Message: 27

Thanks for attending the meeting. I know the roads weren't in the best condition. The next meeting will be planned for late Febuary. Either Saturday the 17th or 24th. The topic will be APRS. So bring your laptop, TNC, and radio. I'll bring a capsule so you can capture data from it.

The March meeting will be earlier in the month. Jeff suggested we attend a NWS balloon launch, which I think is a capital idea. So the March meeting will take place at around 6:00 pm on a Saturday so we can see a launch. Afterwards, or before, we'll meet for dinner to discuss balloon launching procedures for TVNSP.

I brought up the idea on making these meetings a more formal group. We could meet once a month. During the off season we can learn or review procedures. during the balloon season we will continue to meet, but only on the day before a launch. Those meetings will familiarize everyone with the planned capsule and mission.

One other idea for the group is to help each other develop their own balloon capsules. By this summer I will have a new design for a balloon controller. If you are interested in building your opwn balloon capsule, I will make a bare board for you. You'll need to get a GPS, radio, servo controller, and HT. At some point we'll hold a soldering party and get the electronics built.

Another benefit of the group is that it can look for funds or donations. Indiviuals with their own balloon capsules would get a share of the donations to help them fly their capsule. On future flights we could carry two capsules from two different people on a balloon flight. There's no reason why both capsules have to belong to the same person.

I'll looking for a name for this group. Perhaps Idaho Near-Space Group (ING). Please share your suggestions.

Thanks,
Paul

28. Feb Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-01-31 18:56:53 UTC
From: Paul Verhage
Topic: 28 Message: 28

I'm thinking of holding our next meeting on either the 17th or 24th. Is there a preference? The March meeting will include a trip to the National Weather Service to see a balloon launch.

Paul

29. Re: [tvnsp] Feb Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-02-01 00:20:15 UTC
From: James R. Johnson
Topic: 28 Message: 29

There might be a problem for the 24th, as we have a testing session in Fruitland the fourth Saturday of every month (the 24th of February) from 9:00 am to noon. This might not affect anyone but VE's, but you should know about it.

73,
Jim

----- Original Message -----
From: "Paul Verhage" <pverhage@...>
To: "'tvnsp@egroups.com'" <tvnsp@yahoogroups.com>
Sent: Wednesday, January 31, 2001 11:56 AM
Subject: [tvnsp] Feb Meeting

> I'm thinking of holding our next meeting on either the 17th or 24th. Is
> there a preference? The March meeting will include a trip to the National
> Weather Service to see a balloon launch.
>
> Paul
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>

30. Re: [tvnsp] Feb Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-02-01 16:43:22 UTC
From: Stephanie Steele
Topic: 28 Message: 30
Attachments: 1 described; binary payloads are missing from this source WARC

I vote for the 17th

31. Re: [tvnsp] Feb Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-02-02 13:43:23 UTC
From: Jeff Melanson
Topic: 28 Message: 31

The 17th sounds good to me.

32. Feb Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-02-02 14:32:42 UTC
From: Paul Verhage
Topic: 28 Message: 32

By popular demand, the next meeting of the TVNSP will be noon, Saturday, 17 Feb. Meet at the Idaho Pizza Co in Caldwell, located on Nampa-Caldwell Blvd. The topic will be setting up and operating APRS. In past meetings Randy and Doug said they could help out. I need to confirm that's still the case. I have APRS loaded on my laptop. I now will arrange to get power to my TNC and my HT connected. Bring a PC or laptop. Doug or Randy, if you need any photocopying, email it to me and I'll take care of it.

The March meeting will discuss launching balloons and will watch the NWS launch one of their's. This meeting will proably be a dinner meeting, since NWS balloons are launched at 5 and 6, depending on the time of year. Of course we could make it a breakfast meeting if you want to arrive at the NWS before 5 AM. ;)

Paul

33. Re: [tvnsp] Feb Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-02-03 13:44:21 UTC
From: Randy Farley
Topic: 28 Message: 33

The 17th is fine with me.

Paul Verhage wrote:

> I'm thinking of holding our next meeting on either the 17th or 24th. Is
> there a preference? The March meeting will include a trip to the National
> Weather Service to see a balloon launch.
>
> Paul
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com

--
Regards,
Randy Farley
N7GPS -Ham Call-
My Home at: http://map.findu.com/n7gps
Find my pickup at: http://map.findu.com/n7gps-9
or Find my ATV at: http://map.findu.com/n7gps-7

34. Re: [tvnsp] Feb Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-02-03 14:18:09 UTC
From: Randy Farley
Topic: 28 Message: 34

I should be able to make the meeting with my laptop, radio and tnc.
Anyone else with APRS stuff should bring them for show and tell.
Will have some handouts. Paul, I may send you some screen shots to make
transparencies for me. I will try to get it done at work if i have time.
Yikes,i thought 5 or 6 meant PM.....<;)

BTW, Pat and I figured out how to import the predicted balloon path onto Street
Atlas. Really cool.
You can also predict the best laucnh site from Balloon Track, Pat discovered.

Paul Verhage wrote:

> By popular demand, the next meeting of the TVNSP will be noon, Saturday, 17
> Feb. Meet at the Idaho Pizza Co in Caldwell, located on Nampa-Caldwell
> Blvd. The topic will be setting up and operating APRS. In past meetings
> Randy and Doug said they could help out. I need to confirm that's still the
> case. I have APRS loaded on my laptop. I now will arrange to get power to
> my TNC and my HT connected. Bring a PC or laptop. Doug or Randy, if you
> need any photocopying, email it to me and I'll take care of it.
>
> The March meeting will discuss launching balloons and will watch the NWS
> launch one of their's. This meeting will proably be a dinner meeting, since
> NWS balloons are launched at 5 and 6, depending on the time of year. Of
> course we could make it a breakfast meeting if you want to arrive at the NWS
> before 5 AM. ;)
>
> Paul
>
>
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com

--
Regards,
Randy Farley
N7GPS -Ham Call-
My Home at: http://map.findu.com/n7gps
Find my pickup at: http://map.findu.com/n7gps-9
or Find my ATV at: http://map.findu.com/n7gps-7

35. RE: [tvnsp] Feb Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-02-04 20:51:19 UTC
From: Paul Verhage
Topic: 28 Message: 35

> I should be able to make the meeting with my laptop, radio and tnc.
> Anyone else with APRS stuff should bring them for show and tell.
> Will have some handouts. Paul, I may send you some screen
> shots to make
> transparencies for me. I will try to get it done at work if
> i have time.
> Yikes,i thought 5 or 6 meant PM.......<;)

Email the images to me and I'll take care of it.

> BTW, Pat and I figured out how to import the predicted
> balloon path onto Street
> Atlas. Really cool.
> You can also predict the best laucnh site from Balloon Track,
> Pat discovered.

Fantastic. I'll have my laptop and TNC there. Right now the TNC is talking to a PC running Terminal, but it does stop after a while. I'll check the battery voltage.

Paul

36. Feb 17 Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-02-04 21:07:58 UTC
From: Paul Verhage
Topic: 36 Message: 36

There is a birthday party at Idaho Pizza on the same day. As a consequence, the TVNSP meeting will begin an hour earlier. So for Febuary, we will begin the meeting at 11:00 am, rather than noon proper.

Astronomy Day will be in late April. I think I will try to move the second flight to Astronomy Day and have a tracking station setup in the Discovery Center. More on the 17th.

Paul

37. KPC2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-02-05 21:05:13 UTC
From: Paul Verhage
Topic: 37 Message: 37

I plan to use a KPC2 for my tracker. Unfortunately, I have no instructions or other documentation. Does anyone how how many volts this sucker expects in its power jack? I've tried 9 volts, but the KPC2 dies after a while (stops responding to the PC). I assume this occurs because the voltage in the battery drops too low.

Thanks for any help,
Paul

38. Re: [tvnsp] KPC2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-02-06 01:53:51 UTC
From: Randy Farley
Topic: 37 Message: 38

Paul

Most tnc's i have used take 12 volts . I have never had any luck running them off 9 volts for very long. Generally the 9 volt battery option is for portable operation. You are supposed to put the tnc in low voltage mode by disabling the led lights via internal jumpers. I dont like this mode because i like to see how the tnc is operating. I just hook mine up to a 12 volt battery and it runs for ever.
Anyway that is how my PK-12's and KPC3+'s work. Maybe contact Kantronics to verify the voltage before you let out the blue smoke on this older model <:)

You may also post to the national APRS SIG at aprssig@... or the Northwest APRS SIG at nwaprssig@... for expert advise. Someone there would probably have a manual for you or tell you how to find one.

Paul Verhage wrote:

> I plan to use a KPC2 for my tracker. Unfortunately, I have no instructions
> or other documentation. Does anyone how how many volts this sucker expects
> in its power jack? I've tried 9 volts, but the KPC2 dies after a while
> (stops responding to the PC). I assume this occurs because the voltage in
> the battery drops too low.
>
> Thanks for any help,
> Paul
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com

--
Regards,
Randy Farley
N7GPS -Ham Call-
My Home at: http://map.findu.com/n7gps
Find my pickup at: http://map.findu.com/n7gps-9
or Find my ATV at: http://map.findu.com/n7gps-7

39. Re: [tvnsp] KPC2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-02-06 06:05:55 UTC
From: Stephanie Steele
Topic: 37 Message: 39

Hi Paul,

I think you may have problems with that KPC2. I would recommend a KPC3
or KPC3+. These both will run on just about anything 9 volts or over.
Anyone know any different.

Stephanie

Paul Verhage wrote:

> I plan to use a KPC2 for my tracker. Unfortunately, I have no instructions
> or other documentation. Does anyone how how many volts this sucker expects
> in its power jack? I've tried 9 volts, but the KPC2 dies after a while
> (stops responding to the PC). I assume this occurs because the voltage in
> the battery drops too low.
>
> Thanks for any help,
> Paul
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com

40. FW: [Balloon_Sked] Balloon Track V 1.6.6 Released

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-02-06 14:16:13 UTC
From: Paul Verhage
Topic: 40 Message: 40

> -----Original Message-----
> From: Rick von Glahn [mailto:rickvg@...t]
> Sent: Tuesday, February 06, 2001 5:10 AM
> To: eosslist; Balloon_Sked; Balloon_Track
> Subject: [Balloon_Sked] Balloon Track V 1.6.6 Released
>
>
> The next installment in the Balloon Track saga is available
> for your perusal.
>
> http://www.eoss.org/wbaltrak/version.htm
>
> Will give you the full story on what new features are available and
>
> http://www.eoss.org/wbaltrak/download.htm
>
> is where you can download a copy.
>
> Essentially, I've completely rewritten how the program deals
> with packet data.
> My first Packet data system was clunky and not very user
> friendly. And,
> unfortunately, it had a tendency to crash. The new terminal
> is much more
> reliable and quite a bit easier to use.
>
> You can now use the program's packet terminal to capture
> files during flight to
> make predictions and you can also use external programs
> (better at tracking) to
> capture plain text log files and Balloon Track can import
> them and generate
> wind files from the data received during the ascent phase of
> the flight. This
> should make for some pretty accurate touchdown predictions.
>
> I've also added some real time data displays. The program will produce
> constantly updated information on your balloon with charts
> showing previously
> received data. So you can actually Track your flight (data
> wise). Actually one
> chart is a latitude/longitude XY plot so you can see the
> flight track too.
> However it's nothing compared to programs like APRS-Plus SA
> with regard to

> tracking.
>
> All these capabilities rely on a standard data format being
> available for the
> program to parse the information. I've settled on GPS and one
> APRS string. The
> formats are discussed on the web pages.
>
> Go to the version page above and read about these
> improvements and additions.
> There are links there that will take you to web pages
> describing each new
> feature of the program.
>
> 73 -- Rick, NØKKZ
>
>
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>
> To unsubscribe from this group, send an email to:
> Balloon_Sked-unsubscribe@egroups.com
>
>
>

41. KPC2, the next question

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-02-06 14:27:10 UTC
From: Paul Verhage
Topic: 41 Message: 41

I connected my KPC2 to a car battery and it works fine. But now I need to know how to wire up the HT. My HT is an Alinco DJ-F1T, which is not documented in my KPC3 book. The first thing I noticed is that the ear and mic jacks are not labeled on the HT. I assumed it was similiar to a Yaesu HT and tried that arrangement. All it manages to do is key the radio, even if the TNC is turned off. So next I dug through my collection of stuff and found the old mandheld mike for my radio. The smaller 2.5 mm jack is a three conductor (has two dark bands) and the larger 3.5 mm jack is a two conductor (has one dark band). This makes me wonder if I should treat my Alinco as an ICOM 2AT, but with the jacks switched around.

Has anyone worked with the Alinco?

Finally, there's some concern the KPC2 will not work as a tracker. Does anyone have any experience using the KPC2 with APRS+SA? I want to make sure I'm not wasting my time here.

Thanks,
Paul

42. KPC2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-02-06 15:53:47 UTC
From: Doug Rich
Topic: 37 Message: 42

I have a KPC2 and a manual. The specifications for the kpc2 says the power requirements are 9vdc to 14vdc < 250 ma (will not take long to drain a 9vdc battery).

I also have a kpc3 and a 3+. They only require 6vdc to 25vdc < 40ma and if low power options are in place the current is reduced to < 15ma. (will last about a week or more on a 9vdc battery).

The KPC2 would not work as a tracker because there are no commands in the software to deal with GPS information. It works great as a fixed base APRS TNC and it is the one I use at my house.

Doug Rich
KD6GCL

43. KPC2 will not work as a tracker

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-02-06 17:26:24 UTC
From: Doug Rich
Topic: 43 Message: 43

I have a KPC2 and a manual. The specifications for the kpc2 says the power requirements are 9vdc to 14vdc < 250 ma (will not take long to drain a 9vdc battery).
I also have a kpc3 and a 3+. They only require 6vdc to 25vdc < 40ma and if low power options are in place the current is reduced to < 15ma. (will last about a week or more on a 9vdc battery).
The KPC2 would not work as a tracker because there are no commands in the software to deal with GPS information. It works great as a fixed base APRS TNC and it is the one I use at my house.
Doug Rich
KD6GCL

44. Re: [tvnsp] KPC2, the next question

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-02-07 03:59:05 UTC
From: Randy Farley
Topic: 41 Message: 44

Check out this web site Paul. It has most any radio to tnc combination wiring schematics. www.mods.dk - The #1 site for modification for hamradios and it's FREE to use!! Or K4ABT's TNC TO RADIO DIAGRAMS FOR THE PACKET RADIO OPERATOR http://www.packetradio.com/tnc2rad.htm

Paul Verhage wrote:

> I connected my KPC2 to a car battery and it works fine. But now I need to
> know how to wire up the HT. My HT is an Alinco DJ-F1T, which is not
> documented in my KPC3 book. The first thing I noticed is that the ear and
> mic jacks are not labeled on the HT. I assumed it was similiar to a Yaesu
> HT and tried that arrangement. All it manages to do is key the radio, even
> if the TNC is turned off. So next I dug through my collection of stuff and
> found the old mandheld mike for my radio. The smaller 2.5 mm jack is a
> three conductor (has two dark bands) and the larger 3.5 mm jack is a two
> conductor (has one dark band). This makes me wonder if I should treat my
> Alinco as an ICOM 2AT, but with the jacks switched around.
>
> Has anyone worked with the Alinco?
>
> Finally, there's some concern the KPC2 will not work as a tracker. Does
> anyone have any experience using the KPC2 with APRS+SA? I want to make sure
> I'm not wasting my time here.
>
> Thanks,
> Paul
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com

--
Regards,
Randy Farley
N7GPS -Ham Call-
My Home at: http://map.findu.com/n7gps
Find my pickup at: http://map.findu.com/n7gps-9
or Find my ATV at: http://map.findu.com/n7gps-7

45. Re: [tvnsp] KPC2, the next question

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-02-07 04:45:42 UTC
From: Randy Farley
Topic: 41 Message: 45

Paul Verhage wrote:

> Finally, there's some concern the KPC2 will not work as a tracker. Does
> anyone have any experience using the KPC2 with APRS+SA? I want to make sure
> I'm not wasting my time here.

Doug is right Paul. It will work ok for a base station or as a monitor in your mobile for tracking a balloon. You just will not be able to send out your position automatically as a tracker with a gps attached as you travel. No one really needs to know where you are at anyway. <:)
The balloon is all we care about...hi.

If you want to follow the balloon only, it should be ok. It should work with WinAPRS , APRS+SA or any other aprs software. If you want to be a full blown Stand-alone-tracker then you should get a newer TNC or one of the newer Kenwood radios with a built in tnc.

>
>
> Thanks,
> Paul
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com

--
Regards,
Randy Farley
N7GPS -Ham Call-
My Home at: http://map.findu.com/n7gps
Find my pickup at: http://map.findu.com/n7gps-9
or Find my ATV at: http://map.findu.com/n7gps-7

46. Status, 7 Feb

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-02-07 14:23:43 UTC
From: Paul Verhage
Topic: 46 Message: 46

Well, I have great news, my TNC is talking to my radio. I'll test reception tonight. Randy, at the last meeting you said you had a file I would need if I were to use the KPC2. I didn't make a copy at the meeting. Can you email me a copy?

By this weekend I will test my laptop with the TNC and HT. I think I'll have a balloon tracker by the meeting. I'll just need to finalize settings.

Don't forget, the meeting on the 17th begins one hour earlier.

I am asking the Idaho Space Grant Consortium for money for the August launch.

Paul

47. Re: [tvnsp] Status, 7 Feb

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-02-07 22:39:23 UTC
From: Randy Farley
Topic: 46 Message: 47

Paul i gave you a copy of the files on floppy at the last meeting.
I will look around, but i cannot find a copy right now. Maybe Doug can help you
with his settings.

Paul Verhage wrote:

> Well, I have great news, my TNC is talking to my radio. I'll test reception
> tonight. Randy, at the last meeting you said you had a file I would need if
> I were to use the KPC2. I didn't make a copy at the meeting. Can you email
> me a copy?
>
> By this weekend I will test my laptop with the TNC and HT. I think I'll
> have a balloon tracker by the meeting. I'll just need to finalize settings.
>
> Don't forget, the meeting on the 17th begins one hour earlier.
>
> I am asking the Idaho Space Grant Consortium for money for the August
> launch.
>
> Paul
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com

--
Regards,
Randy Farley
N7GPS -Ham Call-
My Home at: http://map.findu.com/n7gps
Find my pickup at: http://map.findu.com/n7gps-9
or Find my ATV at: http://map.findu.com/n7gps-7

48. Re: [tvnsp] Status, 7 Feb

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-02-08 00:11:06 UTC
From: Doug
Topic: 46 Message: 48

I don't know what the file is? Let me know and I will see if I can help.

Doug

At 03:39 PM 2/7/01 -0700, you wrote:
>Paul i gave you a copy of the files on floppy at the last meeting.
>I will look around, but i cannot find a copy right now. Maybe Doug can
>help you
>with his settings.
>
>Paul Verhage wrote:
>
> > Well, I have great news, my TNC is talking to my radio. I'll test
> reception
> > tonight. Randy, at the last meeting you said you had a file I would
> need if
> > I were to use the KPC2. I didn't make a copy at the meeting. Can you
> email
> > me a copy?
> >
> > By this weekend I will test my laptop with the TNC and HT. I think I'll
> > have a balloon tracker by the meeting. I'll just need to finalize
> settings.
> >
> > Don't forget, the meeting on the 17th begins one hour earlier.
> >
> > I am asking the Idaho Space Grant Consortium for money for the August
> > launch.
> >
> > Paul
> >
> >
> > To unsubscribe from this group, send an email to:
> > tvnsp-unsubscribe@egroups.com
>
>--
>Regards,
>Randy Farley
>N7GPS -Ham Call-
>My Home at: http://map.findu.com/n7gps
>Find my pickup at: http://map.findu.com/n7gps-9
>or Find my ATV at: http://map.findu.com/n7gps-7
>
>
>

>
>To unsubscribe from this group, send an email to:
>tvnsp-unsubscribe@egroups.com

49. Re: [tvnsp] Status, 7 Feb

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-02-07 23:44:24 UTC
From: Randy Farley
Topic: 46 Message: 49
Attachments: 1 described; binary payloads are missing from this source WARC

Doug

Paul needs the tnc file that has the commands that start the tnc communicating with APRS.
The commands should be similar to the attached file i am sending. If yours KPC2 works fine just verify the commands you use in your tnc when it starts up in winAPRS. Hope this makes sense.

Doug wrote:

> I don't know what the file is? Let me know and I will see if I can help.
>
> Doug
>
> At 03:39 PM 2/7/01 -0700, you wrote:
> >Paul i gave you a copy of the files on floppy at the last meeting.
> >I will look around, but i cannot find a copy right now. Maybe Doug can
> >help you
> >with his settings.
> >
> >Paul Verhage wrote:
> >
> > > Well, I have great news, my TNC is talking to my radio. I'll test
> > reception
> > > tonight. Randy, at the last meeting you said you had a file I would
> > need if
> > > I were to use the KPC2. I didn't make a copy at the meeting. Can you
> > email
> > > me a copy?
> > >
> > > By this weekend I will test my laptop with the TNC and HT. I think I'll
> > > have a balloon tracker by the meeting. I'll just need to finalize
> > settings.
> > >
> > > Don't forget, the meeting on the 17th begins one hour earlier.
> > >
> > > I am asking the Idaho Space Grant Consortium for money for the August
> > > launch.
> > >
> > > Paul
> > >
> > >
> > > To unsubscribe from this group, send an email to:
> > > tvnsp-unsubscribe@egroups.com
> >

> >--
> >Regards,
> >Randy Farley
> >N7GPS -Ham Call-
> >My Home at: http://map.findu.com/n7gps
> >Find my pickup at: http://map.findu.com/n7gps-9
> >or Find my ATV at: http://map.findu.com/n7gps-7
> >
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or Find my ATV at: http://map.findu.com/n7gps-7

50. Status, 8 Feb

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-02-08 14:33:29 UTC
From: Paul Verhage
Topic: 50 Message: 50

I rebuilt my TNC cable, it's now durable. The KPC2 is displaying data from the near space capsule in a windows terminal program. On my laptop is a copy of APRS (unregistered) and Street Atlas 4. I also extracted some more maps for SA4. Tonight I'll connect the KPC2 and laptop together. I'll try APRS and hyperterminal. Right now I just want to see that I can get data from the capsule and display it on the laptop. I have a Tripmate GPS that I got with SA4. I plan to get a second comm port (PC card) to run the TNC and GPS at the same time. Any suggestions would be helpful.

Can I send a posit using the KPC2? It sounds like the KPC2 will not handle GPS data automatically, so I'm wondering if I can force the laptop to send a posit every couple of minutes, instead.

Will anyone else be bringing a PC or laptop to the next meeting?

Paul

51. Re: [tvnsp] Status, 8 Feb

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-02-08 16:46:40 UTC
From: Doug
Topic: 50 Message: 51

At 07:33 AM 2/8/01 -0700, Paul Verhage wrote:
>I rebuilt my TNC cable, it's now durable. The KPC2 is displaying data from
>the near space capsule in a windows terminal program. On my laptop is a
>copy of APRS (unregistered) and Street Atlas 4. I also extracted some more
>maps for SA4. Tonight I'll connect the KPC2 and laptop together. I'll try
>APRS and hyperterminal. Right now I just want to see that I can get data
>from the capsule and display it on the laptop. I have a Tripmate GPS that I
>got with SA4. I plan to get a second comm port (PC card) to run the TNC a
>GPS at the same time. Any suggestions would be helpful.

I can send you info on how to make a device that will switch the pc comm
port between two devices. You can build it into a db 9 or 25 hood.

>Can I send a posit using the KPC2? It sounds like the KPC2 will not handle
>GPS data automatically, so I'm wondering if I can force the laptop to send a
>posit every couple of minutes, instead.
>
>Will anyone else be bringing a PC or laptop to the next meeting?

I will be bringing a laptop with softwrare.

>Paul
>
>
>To unsubscribe from this group, send an email to:
>tvnsp-unsubscribe@egroups.com

52. RE: [tvnsp] Status, 8 Feb

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-02-08 17:48:52 UTC
From: Paul Verhage
Topic: 50 Message: 52

> I can send you info on how to make a device that will switch
> the pc comm
> port between two devices. You can build it into a db 9 or 25 hood.

Please do!
I'll get started on it right away. I figure it will be cheaper than
purchasing a second comm port.

Paul

53. Re: [tvnsp] Status, 8 Feb

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-02-08 22:13:36 UTC
From: Randy Farley
Topic: 50 Message: 53

Paul
I have a HSP cable from AEA (now defunct) that will alow you to share two devices on one com port.
I bought it along time ago, but did not like the way it worked. Seemed to miss to much data with it. I will let you have it, since i don't need it. I opted for a second serial card to make things work easier.

I dont think the tnc will send the gps data automatically. You can use the software to manually send lat/lons. Kind of clunky but a viable option.

I plan on bringing a laptop and one or two of my aprs setups.

Paul Verhage wrote:

> I rebuilt my TNC cable, it's now durable. The KPC2 is displaying data from
> the near space capsule in a windows terminal program. On my laptop is a
> copy of APRS (unregistered) and Street Atlas 4. I also extracted some more
> maps for SA4. Tonight I'll connect the KPC2 and laptop together. I'll try
> APRS and hyperterminal. Right now I just want to see that I can get data
> from the capsule and display it on the laptop. I have a Tripmate GPS that I
> got with SA4. I plan to get a second comm port (PC card) to run the TNC and
> GPS at the same time. Any suggestions would be helpful.
>
> Can I send a posit using the KPC2? It sounds like the KPC2 will not handle
> GPS data automatically, so I'm wondering if I can force the laptop to send a
> posit every couple of minutes, instead.
>
> Will anyone else be bringing a PC or laptop to the next meeting?
>
> Paul
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com

--
Regards,
Randy Farley
N7GPS -Ham Call-
My Home at: http://map.findu.com/n7gps
Find my pickup at: http://map.findu.com/n7gps-9
or Find my ATV at: http://map.findu.com/n7gps-7

54. RE: [tvnsp] Status, 8 Feb

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-02-08 22:26:42 UTC
From: Paul Verhage
Topic: 50 Message: 54

> Paul
> I have a HSP cable from AEA (now defunct) that will alow you
> to share two
> devices on one com port.
> I bought it along time ago, but did not like the way it
> worked. Seemed to miss
> to much data with it. I will let you have it, since i don't
> need it. I opted
> for a second serial card to make things work easier.

I'll try the HSP, but may eventaully go to a second comm port. I'm afraid of waht it will cost me :)

> I dont think the tnc will send the gps data automatically.
> You can use the
> software to manually send lat/lons. Kind of clunky but a
> viable option.

The KPC2 was affordable, so I went that way. At least a clunky setting is cheaper than a better quality TNC.

Paul

55. Re: [tvnsp] Status, 8 Feb

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-02-09 03:43:12 UTC
From: Jeff Melanson
Topic: 50 Message: 55

Hi All,

I received my new KPC 3 Plus yesterday. Today I put it together and WOW! It actually works! I've got a lot to learn so I'm really looking forward to the class. I understand that we are supposed to meet at 11:00 because of a birthday party at 12:00. Will one hour be enough time? Any thoughts on that?

Anyway my setup is this so far. I have a handheld Alinco DJ-162. I hooked up the speaker output to the KPC 3 but not the mic. I'm not sure how to hook up the mic yet but that can come later. At least I can track the balloon. For software I am using APRS Plus and Delorme Street Atlas. The same software as Randy. My next step is to clean up cables and figure out how to make it all portable. The power is the main consideration. The battery in the radio is deceased so I have to plug it in with a 110 VAC power adapter (not very portable anymore). I am running the KPC 3 from a small bench top power supply but I could get 12 volts from the truck. Of course my computer needs 110 VAC. I have purchased a Tripp Lite PowerVerter model PV200 that I plan to install in my truck. That should provide all the power I need for the laptop and the radio.

Anyway it looks like I'll have a setup ready for the meeting.

Jeff
KD7INN

56. RE: [tvnsp] Status, 8 Feb

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-02-09 14:27:20 UTC
From: Paul Verhage
Topic: 50 Message: 56

> I understand that we are supposed to meet at 11:00
> because of a
> birthday party at 12:00. Will one hour be enough time? Any
> thoughts on that?

We'll have two hours, the party starts at 1:00.

Sounds like your tracker is at the same state mine is at, Jeff.

Paul

57. EOSS web site...

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-02-09 17:35:35 UTC
From: James R. Johnson
Topic: 57 Message: 57

Randy,

After last night's TVRA meeting, I brought up the web site to download Balloon Tracker, but I surfed that site for an hour, and could not find a link to download anything, let alone Balloon Tracker. Clicking on "Balloon Tracker" simpy sent me to a site that glorified all the attributes of the program, but brought me no nearer to downloading. A line at the end of the site said "Last revised Feb. 7, 2001" (day before yesterday). I must be about two days late (and $2.00 short?)" You think he is going into business, or do I need my glasses cleaned?

73,
Jim

58. RE: [tvnsp] EOSS web site...

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-02-09 20:00:42 UTC
From: Paul Verhage
Topic: 57 Message: 58

Rick updated Balloon Track a couple days ago. Apparently the website hasn't been updated with this new version. I proably still have a copy of the previous version. Come to Feb's TVNSP meeting and I'll bring a copy (assuming you can't get a copy before then).

Paul
==========
After last night's TVRA meeting, I brought up the web site to download Balloon Tracker, but I surfed that site for an hour, and could not find a link to download anything, let alone Balloon Tracker. Clicking on "Balloon Tracker" simpy sent me to a site that glorified all the attributes of the program, but brought me no nearer to downloading. A line at the end of the site said "Last revised Feb. 7, 2001" (day before yesterday). I must be about two days late (and $2.00 short?)" You think he is going into business, or do I need my glasses cleaned?

59. Re: [tvnsp] EOSS web site...

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-02-10 00:06:55 UTC
From: Randy Farley
Topic: 57 Message: 59
Attachments: 3 described; binary payloads are missing from this source WARC

His site must be down Jim. I know i did not make the site myself that i gave you <;)
Maybe he did not pay his helium bill for the month. I can forward you the file if you would like. I still got the zip i believe.
It is about 1900KB's.

"James R. Johnson" wrote:

> Randy, After last night's TVRA meeting, I brought up the web site to
> download Balloon Tracker, but I surfed that site for an hour, and
> could not find a link to download anything, let alone Balloon
> Tracker. Clicking on "Balloon Tracker" simpy sent me to a site that
> glorified all the attributes of the program, but brought me no nearer
> to downloading. A line at the end of the site said "Last revised Feb.
> 7, 2001" (day before yesterday). I must be about two days late (and
> $2.00 short?)" You think he is going into business, or do I need my
> glasses cleaned? 73,Jim
>
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>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>

--
Regards,
Randy Farley
N7GPS -Ham Call-
My Home at: http://map.findu.com/n7gps
Find my pickup at: http://map.findu.com/n7gps-9
or Find my ATV at: http://map.findu.com/n7gps-7

60. Re: [tvnsp] EOSS web site...

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-02-10 15:11:26 UTC
From: James R. Johnson
Topic: 57 Message: 60

OK, Randy. Forward it to me. Use my address instead of this mailing list so it won't bog down everyone else's machine. :-)

Jim

----- Original Message -----
From: Randy Farley
To: tvnsp@yahoogroups.com
Sent: Friday, February 09, 2001 5:06 PM
Subject: Re: [tvnsp] EOSS web site...

His site must be down Jim. I know i did not make the site myself that i gave you <;)
Maybe he did not pay his helium bill for the month. I can forward you the file if you would like. I still got the zip i believe.
It is about 1900KB's.
"James R. Johnson" wrote:

Randy, After last night's TVRA meeting, I brought up the web site to download Balloon Tracker, but I surfed that site for an hour, and could not find a link to download anything, let alone Balloon Tracker. Clicking on "Balloon Tracker" simpy sent me to a site that glorified all the attributes of the program, but brought me no nearer to downloading. A line at the end of the site said "Last revised Feb. 7, 2001" (day before yesterday). I must be about two days late (and $2.00 short?)" You think he is going into business, or do I need my glasses cleaned? 73,Jim

To unsubscribe from this group, send an email to:
tvnsp-unsubscribe@egroups.com

--
Regards,
Randy Farley
N7GPS -Ham Call-
My Home at: http://map.findu.com/n7gps
Find my pickup at: http://map.findu.com/n7gps-9
or Find my ATV at: http://map.findu.com/n7gps-7

61. Re: [tvnsp] EOSS web site...

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-02-11 02:00:24 UTC
From: Russell Dunn
Topic: 57 Message: 61

Jim

I appreciate your thoughtfulness about not replying to the mailing list. There were quite a few emails flying around. See ya' at one of the meetings.

Russ
N7SMA
----- Original Message -----
From: James R. Johnson
To: tvnsp@yahoogroups.com
Sent: Saturday, February 10, 2001 8:11 AM
Subject: Re: [tvnsp] EOSS web site...

OK, Randy. Forward it to me. Use my address instead of this mailing list so it won't bog down everyone else's machine. :-)

Jim

----- Original Message -----
From: Randy Farley
To: tvnsp@yahoogroups.com
Sent: Friday, February 09, 2001 5:06 PM
Subject: Re: [tvnsp] EOSS web site...

His site must be down Jim. I know i did not make the site myself that i gave you <;)
Maybe he did not pay his helium bill for the month. I can forward you the file if you would like. I still got the zip i believe.
It is about 1900KB's.
"James R. Johnson" wrote:

Randy, After last night's TVRA meeting, I brought up the web site to download Balloon Tracker, but I surfed that site for an hour, and could not find a link to download anything, let alone Balloon Tracker. Clicking on "Balloon Tracker" simpy sent me to a site that glorified all the attributes of the program, but brought me no nearer to downloading. A line at the end of the site said "Last revised Feb. 7, 2001" (day before yesterday). I must be about two days late (and $2.00 short?)" You think he is going into business, or do I need my glasses cleaned? 73,Jim

To unsubscribe from this group, send an email to:
tvnsp-unsubscribe@egroups.com

--
Regards,
Randy Farley
N7GPS -Ham Call-
My Home at: http://map.findu.com/n7gps
Find my pickup at: http://map.findu.com/n7gps-9

or Find my ATV at: http://map.findu.com/n7gps-7

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62. Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-02-15 14:38:35 UTC
From: Paul Verhage
Topic: 23 Message: 62

Don't forget the meeting this Saturday. Also remember the meeting will start an hour earlier, at 11:00 am. Bring your laptop/PC and a copy of APRS.

For the second flight of the year, I plan to fly slow scan. The flight will be launched on 28 Apr, Astronopmy Day. We'll need someone to operate a Station at the Discovery Center. This mission control will need to record and display APRS, SSTV, and chase communications. More at the Feb meeting.

The March meeting will be eariler in the month. It will be a dinner meeting so we can visit the National Weather Servive at the airport. Also, we may be able to launch from their facilities. After the liability issue is looked at, I'll know for sure.

Paul

63. FW: [KNSP] NSTAR 01A is GO for Sunday

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-02-17 23:51:09 UTC
From: Paul Verhage
Topic: 63 Message: 63

> -----Original Message-----
> From: Mark Conner [mailto:mconner1@...]
> Sent: Saturday, February 17, 2001 10:43 AM
> To: KNSP; MidwestAPRS list; BellevueARC List; aprssig@...;
> eoss@...
> Subject: [KNSP] NSTAR 01A is GO for Sunday
>
>
> Nebraska Stratospheric Amateur Radio Flight 01A is on for
> Sunday morning,
> February 18, at 1630 UTC (1030 CST) from NWS Valley, Nebraska.
>
> The forecast for the morning is for temperatures to start out
> about 18F at
> 7am but reach the low 30s by noon. Winds are forecast to be
> about 8 knots
> early picking up to 15 knots by noon. Skies should be mostly
> sunny, but
> dress appropriately if you plan to attend in person.
>
> Max altitude will be about 60,000' with a 1000 ft/min ascent
> rate planned.
> Total mission time will be about 90 minutes.
>
> I will be at the launch site at 8am to integrate the FSK31 experiment,
> others can plan to arrive about 9:30 or so.
>
> We may hold the launch about 30-60 minutes depending on
> weather. With the
> FSK31 experiment, we're hoping to get some good
> shortwave propagation for distant stations, which means the
> later into the
> day the better. However, if the winds are not cooperating
> for us, we'll go
> closer to schedule. We should be able to send email from the
> launch site,
> so watch the KNSP group on Yahoo for updates (you don't have to be
> subscribed to see the messages). Recent indications are that 10m
> propagation may not be all that good this weekend, but we
> kind of have to go
> with what we have - running out of weekends to do this before May.
>
> Frequency recap:
> 146.94+ / 446.50simplex - Talk-in
> 144.39 APRS (every 30 sec) - callsign N9XTN-11

> 446.50 Simplex repeater
> 28.210 FSK31 transmissions (every 2 min)
>
> Links:
> http://groups.yahoo.com/group/KNSP (last-minute updates)
> http://members.home.net/mconner1/nstar.html (main website)
> http://map.findu.com/n9xtn-11 (real-time tracking of balloon)
> http://map.findu.com/n9xtn-9 (real-time tracking of chase vehicle)
>
> 73 de Mark N9XTN
>
> ------
> Mark D. Conner
> E-mail: mconner@... n9xtn@...
> Homepage: http://members.home.net/mconner1
> "Arrogance and stupidity, all in the same package.....how efficient
> of you!" - Ambassador Londo Mollari, Babylon 5
>
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>
> List owner: KNSP-owner@yahoogroups.com
> Group URL: http://groups.yahoo.com/group/KNSP
>
>

64. Status, 17 Feb

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-02-18 00:31:31 UTC
From: Paul Verhage
Topic: 64 Message: 64

It was a very nice meeting, thanks everyone for attending. Two of us need to purchase a new copy of APRS. There is a discount if we order five copies. Each copy is $30 then (I'll double check this cost). Are there three others interested in purchasing a copy of APRS?

The next meeting will be Mar 10 or 17th. This will be an evening meeting so we can watch the National Weather Service launch a balloon. The meeting will then discuss our balloon launching technique.

The next balloon launch is scheduled for Mar 24th. The date and location have yet to be determined.

Paul

65. RE: [tvnsp] Status, 17 Feb

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-02-18 00:38:42 UTC
From: John Knapp
Topic: 64 Message: 65

Thanks for the updates. Indeed, this was a good meeting. I have one question for you. I was in the back table and worked with the person sitting next to me. Do you know his name or callsign. I gave him some info for his Handheld and it turned out to be wrong. Like the dummy I am, I didn't write down his name and can't remember it.

Thanks

John Knapp
KD7hgs

> -----Original Message-----
> From: Paul Verhage [mailto:pverhage@...]
> Sent: Saturday, February 17, 2001 5:32 PM
> To: 'tvnsp@egroups.com'
> Subject: [tvnsp] Status, 17 Feb
>
>
> It was a very nice meeting, thanks everyone for attending. Two of us need
> to purchase a new copy of APRS. There is a discount if we order five
> copies. Each copy is $30 then (I'll double check this cost). Are there
> three others interested in purchasing a copy of APRS?
>
> The next meeting will be Mar 10 or 17th. This will be an evening
> meeting so
> we can watch the National Weather Service launch a balloon. The meeting
> will then discuss our balloon launching technique.
>
> The next balloon launch is scheduled for Mar 24th. The date and location
> have yet to be determined.
>
> Paul
>
>
> To unsubscribe from this group, send an email to:
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>
>
>
>

66. Re: [tvnsp] Status, 17 Feb

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-02-18 00:47:12 UTC
From: Jeff Melanson
Topic: 64 Message: 66

Hi John,

It was me, Jeff, KD7INN. Did you find different information for how to hook up the mic on my Alinco DJ162?

John Knapp wrote:

> Thanks for the updates. Indeed, this was a good meeting. I have one question
> for you. I was in the back table and worked with the person sitting next to
> me. Do you know his name or callsign. I gave him some info for his Handheld
> and it turned out to be wrong. Like the dummy I am, I didn't write down his
> name and can't remember it.
>
> Thanks
>
> John Knapp
> KD7hgs

67. Re: [tvnsp] Status, 17 Feb

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-02-18 02:57:27 UTC
From: kc7dpd@micron.net
Topic: 64 Message: 67

Paul,

I would be interested in buying a copy of APRS....sign me up!

Mike KC7DPD

----- Original Message -----
From: Paul Verhage <pverhage@...>
Date: Saturday, February 17, 2001 5:31 pm
Subject: [tvnsp] Status, 17 Feb

> It was a very nice meeting, thanks everyone for attending. Two of
> us need
> to purchase a new copy of APRS. There is a discount if we order five
> copies. Each copy is $30 then (I'll double check this cost). Are
> therethree others interested in purchasing a copy of APRS?
>
> The next meeting will be Mar 10 or 17th. This will be an evening
> meeting so
> we can watch the National Weather Service launch a balloon. The
> meetingwill then discuss our balloon launching technique.
>
> The next balloon launch is scheduled for Mar 24th. The date and
> locationhave yet to be determined.
>
> Paul
>
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>
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>
>

68. RE: [tvnsp] Status, 17 Feb

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-02-18 16:51:36 UTC
From: Paul Verhage
Topic: 64 Message: 68

That should be Jeff.

Jeff, are you reading this?

Paul

> -----Original Message-----
> From: John Knapp [mailto:jknapp@...]
> Sent: Saturday, February 17, 2001 5:39 PM
> To: tvnsp@yahoogroups.com
> Subject: RE: [tvnsp] Status, 17 Feb
>
>
> Thanks for the updates. Indeed, this was a good meeting. I
> have one question
> for you. I was in the back table and worked with the person
> sitting next to
> me. Do you know his name or callsign. I gave him some info
> for his Handheld
> and it turned out to be wrong. Like the dummy I am, I didn't
> write down his
> name and can't remember it.
>
> Thanks
>
> John Knapp
> KD7hgs
>
> > -----Original Message-----
> > From: Paul Verhage [mailto:pverhage@...]
> > Sent: Saturday, February 17, 2001 5:32 PM
> > To: 'tvnsp@egroups.com'
> > Subject: [tvnsp] Status, 17 Feb
> >
> >
> > It was a very nice meeting, thanks everyone for attending.
> Two of us need
> > to purchase a new copy of APRS. There is a discount if we
> order five
> > copies. Each copy is $30 then (I'll double check this
> cost). Are there
> > three others interested in purchasing a copy of APRS?
> >
> > The next meeting will be Mar 10 or 17th. This will be an evening
> > meeting so
> > we can watch the National Weather Service launch a balloon.

> The meeting
> > will then discuss our balloon launching technique.
> >
> > The next balloon launch is scheduled for Mar 24th. The
> date and location
> > have yet to be determined.
> >
> > Paul
> >
> >
> > To unsubscribe from this group, send an email to:
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>
>

69. RE: [tvnsp] Status, 17 Feb

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-02-18 16:52:08 UTC
From: Paul Verhage
Topic: 64 Message: 69

This is three people. we need two more.

Paul

> -----Original Message-----
> From: kc7dpd@... [mailto:kc7dpd@...]
> Sent: Saturday, February 17, 2001 7:57 PM
> To: tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] Status, 17 Feb
>
>
> Paul,
>
> I would be interested in buying a copy of APRS....sign me up!
>
> Mike KC7DPD
>
> ----- Original Message -----
> From: Paul Verhage <pverhage@...>
> Date: Saturday, February 17, 2001 5:31 pm
> Subject: [tvnsp] Status, 17 Feb
>
> > It was a very nice meeting, thanks everyone for attending. Two of
> > us need
> > to purchase a new copy of APRS. There is a discount if we
> order five
> > copies. Each copy is $30 then (I'll double check this cost). Are
> > therethree others interested in purchasing a copy of APRS?
> >
> > The next meeting will be Mar 10 or 17th. This will be an evening
> > meeting so
> > we can watch the National Weather Service launch a balloon. The
> > meetingwill then discuss our balloon launching technique.
> >
> > The next balloon launch is scheduled for Mar 24th. The date and
> > locationhave yet to be determined.
> >
> > Paul
> >
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>
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>
>
>

70. Re: [tvnsp] Status, 17 Feb

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-02-18 19:13:16 UTC
From: Jeff Melanson
Topic: 64 Message: 70

Anybody interested in winning a free GPS? Go to
http://www.GPSdiscount.com and click on GPS Giveaway. It is a Garmin etrex.
If you win you can choose between the GPS or $114 gift certificate to use
toward another GPS.
I checked prices on the Garmin III Plus and it sells for about $289. The
Garmin emap sells for about $189 and has similiar features. Any comments on
the emap? Likes or dislikes?

Jeff Melanson
KD7INN

71. Re: [tvnsp] Status, 17 Feb

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-02-19 02:02:28 UTC
From: Randy Farley
Topic: 64 Message: 71

Jeff

The eMap gps looks like a very fine entry level a map display unit from Garmin.

In the long run it will cost a little more if you decide to upgrade. The eMap does not come with a pc cable ($33) like the III+ does. You will require the 8 Meg Memory Cartridge ($99) to increase map detail. Also if you want to add an exteior antenna the eMap will require a MCX to BNC adapter ($25). I do not see much need for an external antenna with a 12 parellel channel receiver. Do the math and it adds up to over $300 to get the same features and hardware equivalent to the III+.

I would go to a store and play with each one to compare features.. The III+ was a little tricky to learn with all of its menus and features. It is a large investment so get the one that fits your needs now and in the future. Those seem to be very good prices compared to what i paid for my III+. I priced the accessories from my Cabela's catalog. They want $198 for the eMap.

Make sure the website is very reputable if you buy there. There have been some fly-by-nite dot coms selling gps's for unreal low prices.

My 2 bits worth

Jeff Melanson wrote:

> Anybody interested in winning a free GPS? Go to
> http://www.GPSdiscount.com and click on GPS Giveaway. It is a Garmin etrex.
> If you win you can choose between the GPS or $114 gift certificate to use
> toward another GPS.
> I checked prices on the Garmin III Plus and it sells for about $289. The
> Garmin emap sells for about $189 and has similiar features. Any comments on
> the emap? Likes or dislikes?
>
> Jeff Melanson
> KD7INN
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com

--
Regards,
Randy Farley
N7GPS -Ham Call-
My Home at: http://map.findu.com/n7gps
Find my pickup at: http://map.findu.com/n7gps-9
or Find my ATV at: http://map.findu.com/n7gps-7

72. Re: [tvnsp] Status, 17 Feb

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-02-19 16:33:30 UTC
From: Rick Regier
Topic: 64 Message: 72

I would be interested in getting a copy also.

Rick KC7UWJ
----- Original Message -----
From: Paul Verhage <pverhage@...>
To: <tvnsp@yahoogroups.com>
Sent: Sunday, February 18, 2001 9:52 AM
Subject: RE: [tvnsp] Status, 17 Feb

> This is three people. we need two more.
>
> Paul
>
> > -----Original Message-----
> > From: kc7dpd@... [mailto:kc7dpd@...]
> > Sent: Saturday, February 17, 2001 7:57 PM
> > To: tvnsp@yahoogroups.com
> > Subject: Re: [tvnsp] Status, 17 Feb
> >
> >
> > Paul,
> >
> > I would be interested in buying a copy of APRS....sign me up!
> >
> > Mike KC7DPD
> >
> > ----- Original Message -----
> > From: Paul Verhage <pverhage@...>
> > Date: Saturday, February 17, 2001 5:31 pm
> > Subject: [tvnsp] Status, 17 Feb
> >
> > > It was a very nice meeting, thanks everyone for attending. Two of
> > > us need
> > > to purchase a new copy of APRS. There is a discount if we
> > order five
> > > copies. Each copy is $30 then (I'll double check this cost). Are
> > > therethree others interested in purchasing a copy of APRS?
> > >
> > > The next meeting will be Mar 10 or 17th. This will be an evening
> > > meeting so
> > > we can watch the National Weather Service launch a balloon. The
> > > meetingwill then discuss our balloon launching technique.
> > >
> > > The next balloon launch is scheduled for Mar 24th. The date and
> > > locationhave yet to be determined.

> > >
> > > Paul
> > >
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> >
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> > -------_->
> >
> > To unsubscribe from this group, send an email to:
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> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
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>

73. RE: [tvnsp] Status, 17 Feb

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-02-19 22:16:06 UTC
From: Paul Verhage
Topic: 64 Message: 73

We now have four people. One more and we can get APRS at a discount.

Paul

> -----Original Message-----
> From: Rick Regier [mailto:reregier@...]
> Sent: Monday, February 19, 2001 9:34 AM
> To: tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] Status, 17 Feb
>
>
> I would be interested in getting a copy also.
>
> Rick KC7UWJ
> ----- Original Message -----
> From: Paul Verhage <pverhage@...>
> To: <tvnsp@yahoogroups.com>
> Sent: Sunday, February 18, 2001 9:52 AM
> Subject: RE: [tvnsp] Status, 17 Feb
>
>
> > This is three people. we need two more.
> >
> > Paul
> >
> > > -----Original Message-----
> > > From: kc7dpd@... [mailto:kc7dpd@...]
> > > Sent: Saturday, February 17, 2001 7:57 PM
> > > To: tvnsp@yahoogroups.com
> > > Subject: Re: [tvnsp] Status, 17 Feb
> > >
> > >
> > > Paul,
> > >
> > > I would be interested in buying a copy of APRS....sign me up!
> > >
> > > Mike KC7DPD
> > >
> > > ----- Original Message -----
> > > From: Paul Verhage <pverhage@...>
> > > Date: Saturday, February 17, 2001 5:31 pm
> > > Subject: [tvnsp] Status, 17 Feb
> > >
> > > > It was a very nice meeting, thanks everyone for
> attending. Two of

> > > > us need
> > > > to purchase a new copy of APRS. There is a discount if we
> > > order five
> > > > copies. Each copy is $30 then (I'll double check this
> cost). Are
> > > > therethree others interested in purchasing a copy of APRS?
> > > >
> > > > The next meeting will be Mar 10 or 17th. This will be
> an evening
> > > > meeting so
> > > > we can watch the National Weather Service launch a
> balloon. The
> > > > meetingwill then discuss our balloon launching technique.
> > > >
> > > > The next balloon launch is scheduled for Mar 24th. The
> date and
> > > > locationhave yet to be determined.
> > > >
> > > > Paul
> > > >
> > > > ---------- Yahoo! Groups Sponsor
> ---
> > > > -~-~>
> > > > eGroups is now Yahoo! Groups
> > > > Click here for more details
> > > > http://click.egroups.com/1/11231/0/_/611159/_/982456284/
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> > > >
> > > > To unsubscribe from this group, send an email to:
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> > > http://click.egroups.com/1/11231/0/_/611159/_/982465051/
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> > To unsubscribe from this group, send an email to:
> > tvnsp-unsubscribe@egroups.com
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> ---------- Yahoo! Groups Sponsor
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> eGroups is now Yahoo! Groups
> Click here for more details
> http://click.egroups.com/1/11231/0/_/611159/_/982600519/
> ---
> -------_->
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>

74. APRS

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-02-19 22:33:25 UTC
From: Paul Verhage
Topic: 74 Message: 74

I've updated the TVNSP webpage with information on setting up APRS for tracking. Please take a look. If I've missed something, please email me.

It looks like INITKAM works for initializing the KPC2.

Paul

75. Meeting and TV01A and TV01B

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-02-26 21:15:22 UTC
From: Paul Verhage
Topic: 75 Message: 75

I'm trying to schedule the nxt meeting for 10 March. This one will first meet at the National Weather Service (NWS) to observe a radiosonde launch. Afterwards we'll head some place for a dinner meeting and discussion of how to launch the TVNSP balloon.

TV01A is scheduled for Saturday, 24 March. The balloon will be a 600 gram balloon filled with 2 to 3 pounds positive lift (PPL). The max altitude will be around 70,000 feet and the ascenty rate should be around 1000 feet per minute. Use those numbers when making predictions for the flight.

TV01B is scheduled for Saturday, 28 April. This is Astronomy Day and the Hamfest in Caldwell. I'd like to get stations set up at the Hamfest and the Discovery Center (DCI). DCI will be mission control for the flight. To operate mission control, we need to mount an antenna outside and have PCs inside. Its a 20 foot cable run from the PCs to the antenna.

I need to line up volunteers for both sites while still having enough crews to launch. Would anyone who wants to volunteer for the Hamfest be willing to help launch and then go to the Hamfest? DCI opens at 10:00 am. I figure we can launch as late as 9:30. At DCI I would like to track the balloon with APRS, capture images with SSTV, and monitor voice communications with the chase crew.

Please let me know what you can volunteer for.

Paul

76. RE: [tvnsp] Meeting and TV01A and TV01B

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-02-27 01:12:13 UTC
From: John Knapp
Topic: 75 Message: 76

Has anyone volunteer for help setting up at the HamFest? Also, where are you planning to launch from in April?

John Knapp
KD7HGS

> -----Original Message-----
> From: Paul Verhage [mailto:pverhage@...]
> Sent: Monday, February 26, 2001 2:15 PM
> To: 'tvnsp@egroups.com'
> Subject: [tvnsp] Meeting and TV01A and TV01B
>
>
> I'm trying to schedule the nxt meeting for 10 March. This one will first
> meet at the National Weather Service (NWS) to observe a radiosonde launch.
> Afterwards we'll head some place for a dinner meeting and
> discussion of how
> to launch the TVNSP balloon.
>
> TV01A is scheduled for Saturday, 24 March. The balloon will be a 600 gram
> balloon filled with 2 to 3 pounds positive lift (PPL). The max altitude
> will be around 70,000 feet and the ascenty rate should be around 1000 feet
> per minute. Use those numbers when making predictions for the flight.
>
> TV01B is scheduled for Saturday, 28 April. This is Astronomy Day and the
> Hamfest in Caldwell. I'd like to get stations set up at the
> Hamfest and the
> Discovery Center (DCI). DCI will be mission control for the flight. To
> operate mission control, we need to mount an antenna outside and have PCs
> inside. Its a 20 foot cable run from the PCs to the antenna.
>
> I need to line up volunteers for both sites while still having
> enough crews
> to launch. Would anyone who wants to volunteer for the Hamfest be willing
> to help launch and then go to the Hamfest? DCI opens at 10:00
> am. I figure
> we can launch as late as 9:30. At DCI I would like to track the balloon
> with APRS, capture images with SSTV, and monitor voice communications with
> the chase crew.
>
> Please let me know what you can volunteer for.
>
> Paul
>
> To unsubscribe from this group, send an email to:

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>
>
>
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>
>

77. RE: [tvnsp] Meeting and TV01A and TV01B

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-02-27 14:03:14 UTC
From: Paul Verhage
Topic: 75 Message: 77

> From: John Knapp [mailto:jknapp@...]
>
> Has anyone volunteer for help setting up at the HamFest?
> Also, where are you
> planning to launch from in April?

No one has volunteered for any position yet. It will depend on the winds as to where we launch from. I expect we will launch from either Jordan Valley, Murphy, or Boise.

Paul

78. APRS

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-02-27 14:33:15 UTC
From: Paul Verhage
Topic: 74 Message: 78

We have four copies of APRS to order. At this point it will cost $49 a piece. If we can get one more order, it will cost only $30.

Paul

79. Re: [tvnsp] Meeting and TV01A and TV01B

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-02-27 14:54:01 UTC
From: Doug
Topic: 75 Message: 79

I will be at the Hamfest and will setup an APRS station there.

Doug KD6GCL

At 02:15 PM 2/26/01 -0700, Paul Verhage wrote:
>I'm trying to schedule the nxt meeting for 10 March. This one will first
>meet at the National Weather Service (NWS) to observe a radiosonde launch.
>Afterwards we'll head some place for a dinner meeting and discussion of how
>to launch the TVNSP balloon.
>
>TV01A is scheduled for Saturday, 24 March. The balloon will be a 600 gram
>balloon filled with 2 to 3 pounds positive lift (PPL). The max altitude
>will be around 70,000 feet and the ascenty rate should be around 1000 feet
>per minute. Use those numbers when making predictions for the flight.
>
>TV01B is scheduled for Saturday, 28 April. This is Astronomy Day and the
>Hamfest in Caldwell. I'd like to get stations set up at the Hamfest and the
>Discovery Center (DCI). DCI will be mission control for the flight. To
>operate mission control, we need to mount an antenna outside and have PCs
>inside. Its a 20 foot cable run from the PCs to the antenna.
>
>I need to line up volunteers for both sites while still having enough crews
>to launch. Would anyone who wants to volunteer for the Hamfest be willing
>to help launch and then go to the Hamfest? DCI opens at 10:00 am. I figure
>we can launch as late as 9:30. At DCI I would like to track the balloon
>with APRS, capture images with SSTV, and monitor voice communications with
>the chase crew.
>
>Please let me know what you can volunteer for.
>
>Paul
>
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>tvnsp-unsubscribe@egroups.com
>
>
>
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80. Re: [tvnsp] Meeting and TV01A and TV01B

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-02-27 22:45:29 UTC
From: Randy Farley
Topic: 75 Message: 80

Paul
I can help with the chase. If you get no volunteers for DCI, i can drop back after launch and helpout. Let me know your plans after you get more responses.

Randy

Paul Verhage wrote:

> I'm trying to schedule the nxt meeting for 10 March. This one will first
> meet at the National Weather Service (NWS) to observe a radiosonde launch.
> Afterwards we'll head some place for a dinner meeting and discussion of how
> to launch the TVNSP balloon.
>
> TV01A is scheduled for Saturday, 24 March. The balloon will be a 600 gram
> balloon filled with 2 to 3 pounds positive lift (PPL). The max altitude
> will be around 70,000 feet and the ascenty rate should be around 1000 feet
> per minute. Use those numbers when making predictions for the flight.
>
> TV01B is scheduled for Saturday, 28 April. This is Astronomy Day and the
> Hamfest in Caldwell. I'd like to get stations set up at the Hamfest and the
> Discovery Center (DCI). DCI will be mission control for the flight. To
> operate mission control, we need to mount an antenna outside and have PCs
> inside. Its a 20 foot cable run from the PCs to the antenna.
>
> I need to line up volunteers for both sites while still having enough crews
> to launch. Would anyone who wants to volunteer for the Hamfest be willing
> to help launch and then go to the Hamfest? DCI opens at 10:00 am. I figure
> we can launch as late as 9:30. At DCI I would like to track the balloon
> with APRS, capture images with SSTV, and monitor voice communications with
> the chase crew.
>
> Please let me know what you can volunteer for.
>
> Paul
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

--
Regards,
Randy Farley
N7GPS -Ham Call-

My Home at: http://map.findu.com/n7gps
Find my pickup at: http://map.findu.com/n7gps-9
or Find my ATV at: http://map.findu.com/n7gps-7

81. High Jump

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-05 18:24:59 UTC
From: Paul Verhage
Topic: 81 Message: 81

Here's a URL for a high altitude parachuting attempt that's right up our alley.

http://www.spacer.com/news/spacejump-01a.html

Paul

82. Saturday, 10 Mar

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-05 18:32:38 UTC
From: Paul Verhage
Topic: 82 Message: 82

It looks like we're set up to observe a radiosonde launch this Saturday. We need to be at the NWS gate at 3:00 pm. To get to the NWS, take I-84 and exit on Vista. Head towards the airport, but at the light, turn left. This will take you in front of the Copper Kettle, an eatery. Just past the Copper Kettle, turn right and head towards the Nation Fire Center, they have their logo painted on the building. You'll run smack dab into a locked gate. This is the gate that we meet at.

After the launch I'd like to hold our March meeting. Does the Copper Kettle sound good?

Paul

83. Re: [tvnsp] Saturday, 10 Mar

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-05 19:08:39 UTC
From: Craig Brunson
Topic: 82 Message: 83

> It looks like we're set up to observe a radiosonde launch this Saturday.
We
> need to be at the NWS gate at 3:00 pm. To get to the NWS, take I-84 and
> exit on Vista.

Paul-

I take it that this is in Boise. Do you know what sonde program they use?
Is it the one from Vaisala?
We use the Vaisala RS80 sondes and a program from a Professor at the U of
Wyoming. The freq is 402.400 +/- (it drifts with temp & voltage change),
wide FM. I use a KAM Plus to pick up the signals. Ours uses the t-max
board to add telemetry inputs from external sensors.

Hope you have a good launch.

73
Craig
N7TSZ

84. Purchasing APRS+

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-05 19:22:37 UTC
From: Paul Verhage
Topic: 84 Message: 84

When we order APRS, all we'll get is the secret code to unlock the software. We have ten people interested in purchasing a copy right now. So I'm ready to order. The copies will $30 each. I will not cash your check until after I recieve the secret code for APRS.

If you still want to register your copy, send a $30 check and SASE to me at:
TVNSP
207 Crestline #3
Caldwell, ID 83605

Make the check out to Lloyd Paul Verhage, but please use TVNSP on the address so I knwo what the letter is for.

Thanks,
Paul

85. RE: [tvnsp] Saturday, 10 Mar

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-05 19:25:59 UTC
From: Paul Verhage
Topic: 82 Message: 85

> I take it that this is in Boise.

Yes it is.

> Do you know what sonde
> program they use?
> Is it the one from Vaisala?

I know they use the Vaisala radiosondes, but I don't know about the decoding software.

Paul

86. RE: Purchasing APRS+

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-05 20:32:56 UTC
From: Paul Verhage
Topic: 84 Message: 86

Don't foget the SASE, I'll need to send you the secret APRS code.

Paul

87. Re: [tvnsp] Saturday, 10 Mar

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-07 02:57:15 UTC
From: Randy Farley
Topic: 82 Message: 87

Sounds like a plan to me. C U there.

Paul Verhage wrote:

> It looks like we're set up to observe a radiosonde launch this Saturday. We
> need to be at the NWS gate at 3:00 pm. To get to the NWS, take I-84 and
> exit on Vista. Head towards the airport, but at the light, turn left. This
> will take you in front of the Copper Kettle, an eatery. Just past the
> Copper Kettle, turn right and head towards the Nation Fire Center, they have
> their logo painted on the building. You'll run smack dab into a locked
> gate. This is the gate that we meet at.
>
> After the launch I'd like to hold our March meeting. Does the Copper Kettle
> sound good?
>
> Paul
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

--
Regards,
Randy Farley
N7GPS -Ham Call-
My Home at: http://map.findu.com/n7gps
Find my pickup at: http://map.findu.com/n7gps-9
or Find my ATV at: http://map.findu.com/n7gps-7

88. Balloon Launch at NWS

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-07 18:19:41 UTC
From: Paul Verhage
Topic: 88 Message: 88

We need to be at the gate by 2:45 this Saturday. I've been told they start filling the balloon prompty at 3:00. So be meet me at 2:45 pm. Can I get a head count? I need to let the NWS know how many to expect.

Don't forget, we'll have an eating meeting after the launch to discuss our next launch.

Paul

89. Re: [tvnsp] Balloon Launch at NWS

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-08 03:55:07 UTC
From: Justin Formolo
Topic: 88 Message: 89

You know me, I'm there and I might bring a friend if that's alright.

-Justin
----- Original Message -----
From: "Paul Verhage" <pverhage@...>
To: "'tvnsp@egroups.com'" <tvnsp@yahoogroups.com>
Sent: Wednesday, March 07, 2001 10:19 AM
Subject: [tvnsp] Balloon Launch at NWS

> We need to be at the gate by 2:45 this Saturday. I've been told they
start
> filling the balloon prompty at 3:00. So be meet me at 2:45 pm. Can I get
a
> head count? I need to let the NWS know how many to expect.
>
> Don't forget, we'll have an eating meeting after the launch to discuss our
> next launch.
>
> Paul
>
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>
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>

90. RE: [tvnsp] Balloon Launch at NWS

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-08 14:12:17 UTC
From: Paul Verhage
Topic: 88 Message: 90

> You know me, I'm there and I might bring a friend if that's alright.

That will be alright. The NWS has asked me to provide a list of names.
What's your friends name?

Paul

>
> -Justin
> ----- Original Message -----
> From: "Paul Verhage" <pverhage@...>
> To: "'tvnsp@egroups.com'" <tvnsp@yahoogroups.com>
> Sent: Wednesday, March 07, 2001 10:19 AM
> Subject: [tvnsp] Balloon Launch at NWS
>
>
> > We need to be at the gate by 2:45 this Saturday. I've been
> told they
> start
> > filling the balloon prompty at 3:00. So be meet me at 2:45
> pm. Can I get
> a
> > head count? I need to let the NWS know how many to expect.
> >
> > Don't forget, we'll have an eating meeting after the launch
> to discuss our
> > next launch.
> >
> > Paul
> >
> > To unsubscribe from this group, send an email to:
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Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

91. Weather Service Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-08 14:19:38 UTC
From: Paul Verhage
Topic: 91 Message: 91

The NWS has asked me for a list of names of the people who will attend the launch. Please email me ASAP if you plan to attend. So far it's Justin and Randy, with John a possible. Any more? Don't forget, there will be a meeting afterwards about the launch on 24 March.

I picked up a camcorder ysterday that I had modified for computer control. The modifications will allow the capsule to turn the camcorder on and off, along with controling it to record either through it's camera lens or from an external source.

Paul

92. Re: [tvnsp] Balloon Launch at NWS

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-09 00:07:21 UTC
From: Justin Formolo
Topic: 88 Message: 92

Rachael Chapman
----- Original Message -----
From: "Paul Verhage" <pverhage@...>
To: <tvnsp@yahoogroups.com>
Sent: Thursday, March 08, 2001 6:12 AM
Subject: RE: [tvnsp] Balloon Launch at NWS

> > You know me, I'm there and I might bring a friend if that's alright.
>
> That will be alright. The NWS has asked me to provide a list of names.
> What's your friends name?
>
> Paul
>
> >
> > -Justin
> > ----- Original Message -----
> > From: "Paul Verhage" <pverhage@...>
> > To: "'tvnsp@egroups.com'" <tvnsp@yahoogroups.com>
> > Sent: Wednesday, March 07, 2001 10:19 AM
> > Subject: [tvnsp] Balloon Launch at NWS
> >
> >
> > > We need to be at the gate by 2:45 this Saturday. I've been
> > told they
> > start
> > > filling the balloon prompty at 3:00. So be meet me at 2:45
> > pm. Can I get
> > a
> > > head count? I need to let the NWS know how many to expect.
> > >
> > > Don't forget, we'll have an eating meeting after the launch
> > to discuss our
> > > next launch.
> > >
> > > Paul
> > >
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> > >
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>
>
>
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>
>

93. August Flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-09 18:59:29 UTC
From: Paul Verhage
Topic: 93 Message: 93

It looks like I have the money from the Idaho Space Grant for an August flight to record meteors from 100,000 feet. I've scheduled the launch with CSI and their star party that night. Right now I need to get an idea of how many people could drive to CSI on the afternoon of 11 august to help out with the launch and recovery. I'll also send email to the Twin Falls radio club.

Paul

94. Re: [tvnsp] August Flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-09 22:31:28 UTC
From: Justin Formolo
Topic: 93 Message: 94

If I'm not busy working or being lazy, I'll be there. I went to CSI a few weeks ago to check out the campus.

----- Original Message -----
From: "Paul Verhage" <pverhage@...>
To: "'tvnsp@egroups.com'" <tvnsp@yahoogroups.com>
Sent: Friday, March 09, 2001 10:59 AM
Subject: [tvnsp] August Flight

> It looks like I have the money from the Idaho Space Grant for an August
> flight to record meteors from 100,000 feet. I've scheduled the launch with
> CSI and their star party that night. Right now I need to get an idea of how
> many people could drive to CSI on the afternoon of 11 august to help out
> with the launch and recovery. I'll also send email to the Twin Falls radio
> club.
>
> Paul
>
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>
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>
>

95. Re: [tvnsp] August Flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-09 23:30:14 UTC
From: Stephanie Steele
Topic: 93 Message: 95

Count me in!

Paul Verhage wrote:

> It looks like I have the money from the Idaho Space Grant for an August
> flight to record meteors from 100,000 feet. I've scheduled the launch with
> CSI and their star party that night. Right now I need to get an idea of how
> many people could drive to CSI on the afternoon of 11 august to help out
> with the launch and recovery. I'll also send email to the Twin Falls radio
> club.
>
> Paul
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

96. RE: [tvnsp] August Flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-10 01:16:32 UTC
From: John Knapp
Topic: 93 Message: 96

Count us in....

John Knapp
KD7HGS

> -----Original Message-----
> From: Paul Verhage [mailto:pverhage@...]
> Sent: Friday, March 09, 2001 11:59 AM
> To: 'tvnsp@egroups.com'
> Subject: [tvnsp] August Flight
>
>
> It looks like I have the money from the Idaho Space Grant for an August
> flight to record meteors from 100,000 feet. I've scheduled the
> launch with
> CSI and their star party that night. Right now I need to get an
> idea of how
> many people could drive to CSI on the afternoon of 11 august to help out
> with the launch and recovery. I'll also send email to the Twin
> Falls radio
> club.
>
> Paul
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
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>
>

97. Re: [tvnsp] Weather Service Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-10 01:31:23 UTC
From: Jeff Melanson
Topic: 97 Message: 97

Count me in Paul. I'll be at the launch. Sorry I couldn't let you know sooner.

Jeff Melanson
KD7INN

Paul Verhage wrote:

> The NWS has asked me for a list of names of the people who will attend the
> launch. Please email me ASAP if you plan to attend. So far it's Justin and
> Randy, with John a possible. Any more? Don't forget, there will be a
> meeting afterwards about the launch on 24 March.
>
> I picked up a camcorder ysterday that I had modified for computer control.
> The modifications will allow the capsule to turn the camcorder on and off,
> along with controling it to record either through it's camera lens or from
> an external source.
>
> Paul
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

98. Re: [tvnsp] Weather Service Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-10 01:31:56 UTC
From: Jeff Melanson
Topic: 97 Message: 98

Count me in Paul. I'll be at the weather service launch. Sorry I couldn't let you know sooner.

Jeff Melanson
KD7INN

Paul Verhage wrote:

> The NWS has asked me for a list of names of the people who will attend the
> launch. Please email me ASAP if you plan to attend. So far it's Justin and
> Randy, with John a possible. Any more? Don't forget, there will be a
> meeting afterwards about the launch on 24 March.
>
> I picked up a camcorder ysterday that I had modified for computer control.
> The modifications will allow the capsule to turn the camcorder on and off,
> along with controling it to record either through it's camera lens or from
> an external source.
>
> Paul
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

99. Re: [tvnsp] Weather Service Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-10 01:53:05 UTC
From: Jeff Melanson
Topic: 97 Message: 99

Hi Again Paul,

Besides myself the following people will be with me,
Tom Dobrusky
Wendy Dobrusky
Jesse Dobrusky

See you there!

Jeff Melanson
KD7INN

Paul Verhage wrote:

> The NWS has asked me for a list of names of the people who will attend the
> launch. Please email me ASAP if you plan to attend. So far it's Justin and
> Randy, with John a possible. Any more? Don't forget, there will be a
> meeting afterwards about the launch on 24 March.
>
> I picked up a camcorder ysterday that I had modified for computer control.
> The modifications will allow the capsule to turn the camcorder on and off,
> along with controling it to record either through it's camera lens or from
> an external source.
>
> Paul
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

100. Re: [tvnsp] August Flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-10 16:42:11 UTC
From: Randy Farley
Topic: 93 Message: 100

I marked the date on my calender. It is a long way off,so i will schedule vacation time to insure a time slot at work. How long does it take to drive there from Boise?
Havent been to SE Idaho for a few years.

Paul Verhage wrote:

> It looks like I have the money from the Idaho Space Grant for an August
> flight to record meteors from 100,000 feet. I've scheduled the launch with
> CSI and their star party that night. Right now I need to get an idea of how
> many people could drive to CSI on the afternoon of 11 august to help out
> with the launch and recovery. I'll also send email to the Twin Falls radio
> club.
>
> Paul
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

--
Regards,
Randy Farley
N7GPS -Ham Call-
My Home at: http://map.findu.com/n7gps
Find my pickup at: http://map.findu.com/n7gps-9
or Find my ATV at: http://map.findu.com/n7gps-7

101. Re: [tvnsp] August Flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-10 17:19:20 UTC
From: Jeff Melanson
Topic: 93 Message: 101

Hi Paul,

Count me in on the August flight! I don't want to miss it.

Jeff Melanson
KD7INN

Paul Verhage wrote:

> It looks like I have the money from the Idaho Space Grant for an August
> flight to record meteors from 100,000 feet. I've scheduled the launch with
> CSI and their star party that night. Right now I need to get an idea of how
> many people could drive to CSI on the afternoon of 11 august to help out
> with the launch and recovery. I'll also send email to the Twin Falls radio
> club.
>
> Paul
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
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102. RE: [tvnsp] August Flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-10 20:10:53 UTC
From: John Knapp
Topic: 93 Message: 102

Randy,

Twin Falls and CSI are about 2 hours southwest of here in South Central Idaho. FreeWay all the way.

John Knapp
KD7HGS

> -----Original Message-----
> From: Randy Farley [mailto:rdfarley@...]
> Sent: Saturday, March 10, 2001 9:42 AM
> To: tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] August Flight
>
>
> I marked the date on my calender. It is a long way off,so i will schedule
> vacation time to insure a time slot at work. How long does it
> take to drive
> there from Boise?
> Havent been to SE Idaho for a few years.
>
> Paul Verhage wrote:
>
> > It looks like I have the money from the Idaho Space Grant for an August
> > flight to record meteors from 100,000 feet. I've scheduled the
> launch with
> > CSI and their star party that night. Right now I need to get
> an idea of how
> > many people could drive to CSI on the afternoon of 11 august to help out
> > with the launch and recovery. I'll also send email to the Twin
> Falls radio
> > club.
> >
> > Paul
> >
> > To unsubscribe from this group, send an email to:
> > tvnsp-unsubscribe@egroups.com
> >
> >
> >
> > Your use of Yahoo! Groups is subject to
> http://docs.yahoo.com/info/terms/
>
> --
> Regards,
> Randy Farley

> N7GPS -Ham Call-
> My Home at: http://map.findu.com/n7gps
> Find my pickup at: http://map.findu.com/n7gps-9
> or Find my ATV at: http://map.findu.com/n7gps-7
>
>
>
>
> To unsubscribe from this group, send an email to:
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>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
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>
>

103. RE: [tvnsp] August Flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-10 20:41:23 UTC
From: Paul Verhage
Topic: 93 Message: 103

> How long does it
> take to drive
> there from Boise?

It's about two hours from Boise.

Paul

104. Balloon Flights

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-10 20:50:16 UTC
From: Paul Verhage
Topic: 104 Message: 104

Thanks for the offers of help for the August flight. I'll need as much as I can get.

I still need help for the April 28 flight. So far Randy has said he could help man the mission control, after the balloon is launched. Can anyone else help with operating mission control at DCI? Mission Control will monitor the flight through APRS and display SSTV as it comes in. I'd also like them to provide assistance to the chase crews via the repeater.

So far I have checks from KC7JSD, WE7U, WM7W, Prada, and N7SI. We have enough people to order APRS now. I'll wait another week for anyone elase who would like to get a copy.

Paul

105. Re: [tvnsp] Balloon Flights

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-10 22:55:16 UTC
From: Doug Rich
Topic: 104 Message: 105

You may not be getting my email. I will work DCI. This is the 3rd email to that effect.

Doug KD6GCL

At 01:50 PM 3/10/01 -0700, you wrote:
>Thanks for the offers of help for the August flight. I'll need as much as I
>can get.
>
>I still need help for the April 28 flight. So far Randy has said he could
>help man the mission control, after the balloon is launched. Can anyone
>else help with operating mission control at DCI? Mission Control will
>monitor the flight through APRS and display SSTV as it comes in. I'd also
>like them to provide assistance to the chase crews via the repeater.
>
>So far I have checks from KC7JSD, WE7U, WM7W, Prada, and N7SI. We have
>enough people to order APRS now. I'll wait another week for anyone elase
>who would like to get a copy.
>
>Paul
>
>
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>
>
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106. Current No-Code Technician?

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-11 05:05:08 UTC
From: Justin Formolo
Topic: 106 Message: 106

Can anyone tell me if the 3rd edition of Gordon West's prep book still current or is there new subject matters and question pool? Also, is there any other books that may be better or more helpful? Thanks

-Justin

107. Re: [tvnsp] Current No-Code Technician?

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-11 16:48:46 UTC
From: James R. Johnson
Topic: 106 Message: 107

I don't know about the edition, but look at the publication date or the copyright date. If it is after April 15 of last year, it is OK. That was when the licensing structure changed. The main change in the question pool was to consolidate the novice and the technician questions. So if you have an older book, you would have to find an old novice book to supplement the old tech manual. Hope this is some help.

73,
Jim
----- Original Message -----
From: Justin Formolo
To: tvnsp@yahoogroups.com
Sent: Saturday, March 10, 2001 10:05 PM
Subject: [tvnsp] Current No-Code Technician?

Can anyone tell me if the 3rd edition of Gordon West's prep book still current or is there new subject matters and question pool? Also, is there any other books that may be better or more helpful? Thanks

-Justin

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108. Re: [tvnsp] Balloon Flights

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-12 06:04:40 UTC
From: Mike Garske
Topic: 104 Message: 108

Paul, can I get your mailing address from you again? I seem to have misplaced it.....

Mike KC7DPD
----- Original Message -----
From: "Paul Verhage" <pverhage@...>
To: "'tvnsp@egroups.com'" <tvnsp@yahoogroups.com>
Sent: Saturday, March 10, 2001 1:50 PM
Subject: [tvnsp] Balloon Flights

> Thanks for the offers of help for the August flight. I'll need as much as I
> can get.
>
> I still need help for the April 28 flight. So far Randy has said he could
> help man the mission control, after the balloon is launched. Can anyone
> else help with operating mission control at DCI? Mission Control will
> monitor the flight through APRS and display SSTV as it comes in. I'd also
> like them to provide assistance to the chase crews via the repeater.
>
> So far I have checks from KC7JSD, WE7U, WM7W, Prada, and N7SI. We have
> enough people to order APRS now. I'll wait another week for anyone elase
> who would like to get a copy.
>
> Paul
>
>
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>
>
>
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>
>

109. RE: [tvnsp] Balloon Flights

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-12 14:23:05 UTC
From: Paul Verhage
Topic: 104 Message: 109

TVNSP
207 Crestline #3
Caldwell, ID 83605

> -----Original Message-----
> From: Mike Garske [mailto:kc7dpd@...]
> Sent: Sunday, March 11, 2001 11:05 PM
> To: tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] Balloon Flights
>
>
> Paul, can I get your mailing address from you again? I seem to have
> misplaced it.....
>
> Mike KC7DPD
> ----- Original Message -----
> From: "Paul Verhage" <pverhage@...>
> To: "'tvnsp@egroups.com'" <tvnsp@yahoogroups.com>
> Sent: Saturday, March 10, 2001 1:50 PM
> Subject: [tvnsp] Balloon Flights
>
>
> > Thanks for the offers of help for the August flight. I'll
> need as much as
> I
> > can get.
> >
> > I still need help for the April 28 flight. So far Randy
> has said he could
> > help man the mission control, after the balloon is
> launched. Can anyone
> > else help with operating mission control at DCI? Mission
> Control will
> > monitor the flight through APRS and display SSTV as it
> comes in. I'd also
> > like them to provide assistance to the chase crews via the repeater.
> >
> > So far I have checks from KC7JSD, WE7U, WM7W, Prada, and
> N7SI. We have
> > enough people to order APRS now. I'll wait another week
> for anyone elase
> > who would like to get a copy.
> >
> > Paul
> >

> >
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110. RE: [tvnsp] Balloon Flights

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-12 20:07:47 UTC
From: Paul Verhage
Topic: 104 Message: 110

I didn't see the previous emails. Thanks for running mission control for us. The plan is to set up the equipment the night before. The launch will be held off as late as possible, as DCI doesn't open until 10:00. This weekend we decided to launch from the hamfest, winds permitting. I'm planning for mission control to open up at 9:30. We need to set up a radio for voice, APRS, and SSTV. That also means we'll need two PCs.

Paul

> You may not be getting my email. I will work DCI. This is
> the 3rd email to
> that effect.
>
> Doug KD6GCL

111. Launches

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-13 14:27:49 UTC
From: Paul Verhage
Topic: 111 Message: 111

The next launch is on 24 March. It will use a 600 gram balloon and should make around 70,000 feet. I'd like to launch from the Homedale Airport. For prediction purposes, use a max altitude of 70,000 feet, ascent rate of 1000 feet per minute, and descent rate of 1200 feet per minute.

I'm starting the checklist. I'd like to develop this collabratively, over email. Please add to it. I'll email out something later this morning.

The plan is to launch the second flight from the hamfest and maintain mission control (MC) at the Discover Center (DCI). MC will be set up the night before and will need a radio for voice, and a PC or two for APRS and SSTV. That means we need two more radios. Can anyone help with lending the equipment? Doug has volunteered to man MC, can anyone else help him? Launch time will be 9:30 or 10:00, winds permitting. We need to be at DCI by say 9:00, to get everything up and running.

Paul

112. Re: [tvnsp] Launches

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-13 16:50:44 UTC
From: Justin Formolo
Topic: 111 Message: 112

Is it the Homedale airport or the Marsing airport?
----- Original Message -----
From: "Paul Verhage" <pverhage@...>
To: "'tvnsp@egroups.com'" <tvnsp@yahoogroups.com>
Sent: Tuesday, March 13, 2001 6:27 AM
Subject: [tvnsp] Launches

> The next launch is on 24 March. It will use a 600 gram balloon and should
> make around 70,000 feet. I'd like to launch from the Homedale Airport.
For
> prediction purposes, use a max altitude of 70,000 feet, ascent rate of
1000
> feet per minute, and descent rate of 1200 feet per minute.
>
> I'm starting the checklist. I'd like to develop this collabratively, over
> email. Please add to it. I'll email out something later this morning.
>
> The plan is to launch the second flight from the hamfest and maintain
> mission control (MC) at the Discover Center (DCI). MC will be set up the
> night before and will need a radio for voice, and a PC or two for APRS and
> SSTV. That means we need two more radios. Can anyone help with lending
the
> equipment? Doug has volunteered to man MC, can anyone else help him?
> Launch time will be 9:30 or 10:00, winds permitting. We need to be at DCI
> by say 9:00, to get everything up and running.
>
> Paul
>
>
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>
>
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>
>

113. RE: [tvnsp] Launches

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-13 16:15:13 UTC
From: Paul Verhage
Topic: 111 Message: 113

It's Homedale.

Paul

> -----Original Message-----
> From: Justin Formolo [mailto:thextreme@...]
> Sent: Tuesday, March 13, 2001 9:51 AM
> To: tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] Launches
>
>
> Is it the Homedale airport or the Marsing airport?
> ----- Original Message -----
> From: "Paul Verhage" <pverhage@...>
> To: "'tvnsp@egroups.com'" <tvnsp@yahoogroups.com>
> Sent: Tuesday, March 13, 2001 6:27 AM
> Subject: [tvnsp] Launches
>
>
> > The next launch is on 24 March. It will use a 600 gram
> balloon and should
> > make around 70,000 feet. I'd like to launch from the
> Homedale Airport.
> For
> > prediction purposes, use a max altitude of 70,000 feet,
> ascent rate of
> 1000
> > feet per minute, and descent rate of 1200 feet per minute.
> >
> > I'm starting the checklist. I'd like to develop this
> collabratively, over
> > email. Please add to it. I'll email out something later
> this morning.
> >
> > The plan is to launch the second flight from the hamfest
> and maintain
> > mission control (MC) at the Discover Center (DCI). MC will
> be set up the
> > night before and will need a radio for voice, and a PC or
> two for APRS and
> > SSTV. That means we need two more radios. Can anyone help
> with lending
> the
> > equipment? Doug has volunteered to man MC, can anyone else
> help him?

> > Launch time will be 9:30 or 10:00, winds permitting. We
> need to be at DCI
> > by say 9:00, to get everything up and running.
> >
> > Paul
> >
> >
> > To unsubscribe from this group, send an email to:
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> >
> >
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114. Checklist

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-13 22:39:04 UTC
From: Paul Verhage
Topic: 114 Message: 114

Here's a preliminary checklist. I'll be adding more to it. Please add your own comments.

Paul
++++++++++++++++

Before beginning the filling, perform steps 1 to 4

1. Check battery voltages
2. Install batteries
3. Power up test, do we have GPS lock and packet transmission?
4. Power down capsule

If the telemetry capsule checks out, then begin filling the balloon

Final capsule assembly occurs concurrently with balloon filling and parachute prep

FINAL AASEMBLY
Stack capsules
Connect the link lines
Connect umbilical (if needed)

PARACHUTE
This takes 2 or 3 people
Unpack the recovery parachute
Disconnect shroud lines and untwist them
Reconnect shroud lines to parachute
Confirm shoud lines are completely linked
Connect shroud lines to top capsule
Confirm there are no twists in shroud line connections to capsule
Keep parachute off the ground

BALLOON
Check ground for sharp objects
Layout ground cloth
Check ground cloth for debris
Clear area of obstacles/objects that may make contact with balloon
Don cotton gloves
Lay out balloon
Untwist balloon
Roll tank near balloon, tank must lie down
Screw in regulator/filler
Insert filler and tape to nozzle
Give verbal warning, balloon filling begin
Keep two people with balloon (watch your heads)
Crack tank, slowly filling balloon

Watch that balloon is not twisted
Once balloon begins to rise, open tanks further

115. Re: [tvnsp] Checklist

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-14 01:14:48 UTC
From: Jeff Melanson
Topic: 114 Message: 115

We may want the checklist to start with an inventory of required material for the launch. Perhaps this would be a separate checklist for whoever is bringing the material to the launch. Some examples are:
1) Peanuts (not to eat, but to pack in the capsule. Or maybe both!)
2) Blanket to lay out the balloon.
3) Duct tape.
Sometimes it's to easy to forget that one item you really need for the launch. It's kind of like going camping and forgeting the matches. How much detail do we want? Do we just want to stick to the launch checklist or make both? Comments?

Paul Verhage wrote:

> Here's a preliminary checklist. I'll be adding more to it. Please add your
> own comments.
>
> Paul
> ++++++++++++++++
>
> Before beginning the filling, perform steps 1 to 4
>
> 1. Check battery voltages
> 2. Install batteries
> 3. Power up test, do we have GPS lock and packet transmission?
> 4. Power down capsule
>
> If the telemetry capsule checks out, then begin filling the balloon
>
> Final capsule assembly occurs concurrently with balloon filling and
> parachute prep
>
> FINAL AASEMBLY
> Stack capsules
> Connect the link lines
> Connect umbilical (if needed)
>
> PARACHUTE
> This takes 2 or 3 people
> Unpack the recovery parachute
> Disconnect shroud lines and untwist them
> Reconnect shroud lines to parachute
> Confirm shoud lines are completely linked
> Connect shroud lines to top capsule
> Confirm there are no twists in shroud line connections to capsule
> Keep parachute off the ground
>

> BALLOON
> Check ground for sharp objects
> Layout ground cloth
> Check ground cloth for debris
> Clear area of obstacles/objects that may make contact with balloon
> Don cotton gloves
> Lay out balloon
> Untwist balloon
> Roll tank near balloon, tank must lie down
> Screw in regulator/filler
> Insert filler and tape to nozzle
> Give verbal warning, balloon filling begin
> Keep two people with balloon (watch your heads)
> Crack tank, slowly filling balloon
> Watch that balloon is not twisted
> Once balloon begins to rise, open tanks further
>
>
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>
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116. Re: [tvnsp] Launches

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-14 04:44:05 UTC
From: Jeff Melanson
Topic: 111 Message: 116

Hi all,

Anybody running the prediction program? I ran the balloon track program and imported the file into Street Atlas. If the balloon were launched now it would end up directly over Boise Airport at about 38,000 feet traveling 109 MPH. Anybody get the same results? The landing site would be 2 miles SW of Pine Airport.

Paul Verhage wrote:

> The next launch is on 24 March. It will use a 600 gram balloon and should
> make around 70,000 feet. I'd like to launch from the Homedale Airport. For
> prediction purposes, use a max altitude of 70,000 feet, ascent rate of 1000
> feet per minute, and descent rate of 1200 feet per minute.
>
> I'm starting the checklist. I'd like to develop this collabratively, over
> email. Please add to it. I'll email out something later this morning.
>
> The plan is to launch the second flight from the hamfest and maintain
> mission control (MC) at the Discover Center (DCI). MC will be set up the
> night before and will need a radio for voice, and a PC or two for APRS and
> SSTV. That means we need two more radios. Can anyone help with lending the
> equipment? Doug has volunteered to man MC, can anyone else help him?
> Launch time will be 9:30 or 10:00, winds permitting. We need to be at DCI
> by say 9:00, to get everything up and running.
>
> Paul
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
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117. Tracking Station

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-14 05:01:06 UTC
From: Jeff Melanson
Topic: 117 Message: 117

Hi all,

Here's a strange one: When I run my APRS tracking gear on the bench it works fine. It constists of a laptop, a KPC3, and an alinco DJ162 radio. When I place it in my truck I have a problem. The recieve light on the TNC stays on unless I rev the engine up to 2500 RPM. I'm using the cigeratte lighter plug to power the TNC, the radio, and the inverter that runs the laptop. Could noise on the power line cause this? I don't know if these next two things mean anything but here it is: If I turn off the inverter then I don't have to rev the engeine as much. If I unplug the speaker output of the radio to the TNC then the recieve light goes out. The radio is still squelched. On the bench I use a 12 volt power supply for the TNC and radio and plug the laptop into the 110 volt outlet. The TNC should run on 9 volts so it would be hard to imagine that any minor voltage changes would cause this. Any thoughts on this?

118. RE: [tvnsp] Checklist

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-14 14:11:18 UTC
From: Paul Verhage
Topic: 114 Message: 118

> We may want the checklist to start with an inventory of
> required material for
> the launch. Perhaps this would be a separate checklist for
> whoever is bringing
> the material to the launch. Some examples are:
> 1) Peanuts (not to eat, but to pack in the capsule. Or maybe both!)
> 2) Blanket to lay out the balloon.
> 3) Duct tape.
> Sometimes it's to easy to forget that one item you really
> need for the launch.
> It's kind of like going camping and forgeting the matches.
> How much detail do we
> want? Do we just want to stick to the launch checklist or
> make both? Comments?

Let's also create a "to bring" list. I'll start one during my prep period
and email it out.

Paul

119. RE: [tvnsp] Launches

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-14 14:15:36 UTC
From: Paul Verhage
Topic: 111 Message: 119

What was your lat and long of launch?

Paul

> Anybody running the prediction program? I ran the balloon
> track program and
> imported the file into Street Atlas. If the balloon were
> launched now it would
> end up directly over Boise Airport at about 38,000 feet
> traveling 109 MPH.
> Anybody get the same results? The landing site would be 2
> miles SW of Pine
> Airport.
>
> Paul Verhage wrote:
>
> > The next launch is on 24 March. It will use a 600 gram
> balloon and should
> > make around 70,000 feet. I'd like to launch from the
> Homedale Airport. For
> > prediction purposes, use a max altitude of 70,000 feet,
> ascent rate of 1000
> > feet per minute, and descent rate of 1200 feet per minute.
> >
> > I'm starting the checklist. I'd like to develop this
> collabratively, over
> > email. Please add to it. I'll email out something later
> this morning.
> >
> > The plan is to launch the second flight from the hamfest
> and maintain
> > mission control (MC) at the Discover Center (DCI). MC will
> be set up the
> > night before and will need a radio for voice, and a PC or
> two for APRS and
> > SSTV. That means we need two more radios. Can anyone help
> with lending the
> > equipment? Doug has volunteered to man MC, can anyone else
> help him?
> > Launch time will be 9:30 or 10:00, winds permitting. We
> need to be at DCI
> > by say 9:00, to get everything up and running.
> >
> > Paul
> >

> >
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120. Camcorder

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-14 14:31:47 UTC
From: Paul Verhage
Topic: 120 Message: 120

I've completed the wiring of a camcorder for computer control. It's a Sony 8mm with video in and video out capability. A service tech replaced the switches with wires. I then connected the wires to transistor switches (2N3904) with a current limiting resistor on their bases. I can control five functions of the camcorder, including turning it on and off.

TVNSP will attempt to fly the camcorder on its next flight, March 24. The camcorder will be instructed to power up at 60,000 feet, or during descent if the balloon bursts early. With two hours of tape, this should record the landing (I gotta try to beat Mark at this).

If anyone is interested, let me know, I'll email you more info.

Paul

121. Re: [tvnsp] Launches

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-15 01:15:00 UTC
From: Jeff Melanson
Topic: 111 Message: 121

The lat and long was for the Homedale airport.

Paul Verhage wrote:

> What was your lat and long of launch?
>
> Paul
>
> > Anybody running the prediction program? I ran the balloon
> > track program and
> > imported the file into Street Atlas. If the balloon were
> > launched now it would
> > end up directly over Boise Airport at about 38,000 feet
> > traveling 109 MPH.
> > Anybody get the same results? The landing site would be 2
> > miles SW of Pine
> > Airport.
> >
> > Paul Verhage wrote:
> >
> > > The next launch is on 24 March. It will use a 600 gram
> > balloon and should
> > > make around 70,000 feet. I'd like to launch from the
> > Homedale Airport. For
> > > prediction purposes, use a max altitude of 70,000 feet,
> > ascent rate of 1000
> > > feet per minute, and descent rate of 1200 feet per minute.
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> > > I'm starting the checklist. I'd like to develop this
> > collabratively, over
> > > email. Please add to it. I'll email out something later
> > this morning.
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> > > The plan is to launch the second flight from the hamfest
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> > with lending the
> > > equipment? Doug has volunteered to man MC, can anyone else
> > help him?
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> > need to be at DCI

> > > by say 9:00, to get everything up and running.
> > >
> > > Paul
> > >
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122. Re: [tvnsp] Launches

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-16 00:50:23 UTC
From: Randy Farley
Topic: 111 Message: 122

Jeff
I did not do tuesdays data, but today it would have landed near Mt Home Air Force Base if i did the data correctly.
At least it was not Area 52 <;)

Jeff Melanson wrote:

> Hi all,
>
> Anybody running the prediction program? I ran the balloon track program and
> imported the file into Street Atlas. If the balloon were launched now it would
> end up directly over Boise Airport at about 38,000 feet traveling 109 MPH.
> Anybody get the same results? The landing site would be 2 miles SW of Pine
> Airport.
>
> Paul Verhage wrote:
>
> > The next launch is on 24 March. It will use a 600 gram balloon and should
> > make around 70,000 feet. I'd like to launch from the Homedale Airport. For
> > prediction purposes, use a max altitude of 70,000 feet, ascent rate of 1000
> > feet per minute, and descent rate of 1200 feet per minute.
> >
> > I'm starting the checklist. I'd like to develop this collabratively, over
> > email. Please add to it. I'll email out something later this morning.
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> > The plan is to launch the second flight from the hamfest and maintain
> > mission control (MC) at the Discover Center (DCI). MC will be set up the
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> > SSTV. That means we need two more radios. Can anyone help with lending the
> > equipment? Doug has volunteered to man MC, can anyone else help him?
> > Launch time will be 9:30 or 10:00, winds permitting. We need to be at DCI
> > by say 9:00, to get everything up and running.
> >
> > Paul
> >
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--
Regards,
Randy Farley
N7GPS -Ham Call-
My Home at: http://map.findu.com/n7gps
Find my pickup at: http://map.findu.com/n7gps-9
or Find my ATV at: http://map.findu.com/n7gps-7

123. interesting stuff

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-16 03:50:31 UTC
From: ab7xm@aol.com
Topic: 123 Message: 123

I think the projected landing point is really interesting. I don't know if it would help in the chase on a real flight but knowing the normal projected landing points might give some outside parameters anyway. OK maybe I just think its interesting stuff....

124. Re: Launches

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-16 05:35:27 UTC
From: k7jps@arrl.net
Topic: 111 Message: 124

What are the coordinates for the Homedale airport? I'd like to run
the tracking program on my PC, but would like to start with good data.

John Stone
K7JPS

--- In tvnsp@y..., Randy Farley <rdfarley@f...> wrote:
> Jeff
> I did not do tuesdays data, but today it would have landed near Mt
Home Air Force
> Base if i did the data correctly.
> At least it was not Area 52 <;)
>
>
> Jeff Melanson wrote:
>
> > Hi all,
> >
> > Anybody running the prediction program? I ran the balloon
track program and
> > imported the file into Street Atlas. If the balloon were launched
now it would
> > end up directly over Boise Airport at about 38,000 feet traveling
109 MPH.
> > Anybody get the same results? The landing site would be 2 miles SW
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> > Airport.
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> > > equipment? Doug has volunteered to man MC, can anyone else help
him?
> > > Launch time will be 9:30 or 10:00, winds permitting. We need to
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> > > by say 9:00, to get everything up and running.
> > >
> > > Paul
> > >
> > >
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> --
> Regards,
> Randy Farley
> N7GPS -Ham Call-
> My Home at: http://map.findu.com/n7gps
> Find my pickup at: http://map.findu.com/n7gps-9
> or Find my ATV at: http://map.findu.com/n7gps-7

125. Re: [tvnsp] Re: Launches

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-16 13:35:00 UTC
From: Doug Rich
Topic: 111 Message: 125

43d 36' 55" -116d 55' 19" Homedale Municipal Airport which is 34.3
miles from the Boise airport at a bearing of 96.0 degrees.

Doug Rich

]At 05:35 AM 3/16/01 +0000, you wrote:
>What are the coordinates for the Homedale airport? I'd like to run
>the tracking program on my PC, but would like to start with good data.
>
>John Stone
>K7JPS
>
>--- In tvnsp@y..., Randy Farley <rdfarley@f...> wrote:
> > Jeff
> > I did not do tuesdays data, but today it would have landed near Mt
>Home Air Force
> > Base if i did the data correctly.
> > At least it was not Area 52 <;)
> >
> >
> > Jeff Melanson wrote:
> >
> > > Hi all,
> > >
> > > Anybody running the prediction program? I ran the balloon
>track program and
> > > imported the file into Street Atlas. If the balloon were launched
>now it would
> > > end up directly over Boise Airport at about 38,000 feet traveling
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> > > Anybody get the same results? The landing site would be 2 miles SW
>of Pine
> > > Airport.
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> > > Paul Verhage wrote:
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> > > > The next launch is on 24 March. It will use a 600 gram balloon
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> > --
> > Regards,
> > Randy Farley
> > N7GPS -Ham Call-
> > My Home at: http://map.findu.com/n7gps
> > Find my pickup at: http://map.findu.com/n7gps-9
> > or Find my ATV at: http://map.findu.com/n7gps-7
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126. RE: [tvnsp] Re: Launches

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-17 05:18:25 UTC
From: John Knapp
Topic: 111 Message: 126

Can you convert the location to decimal instead of minutes and seconds.

Thanks

JohnK

> -----Original Message-----
> From: Doug Rich [mailto:doug@...]
> Sent: Friday, March 16, 2001 6:35 AM
> To: tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] Re: Launches
>
>
> 43d 36' 55" -116d 55' 19" Homedale Municipal Airport which is 34.3
> miles from the Boise airport at a bearing of 96.0 degrees.
>
> Doug Rich
>
>]At 05:35 AM 3/16/01 +0000, you wrote:
> >What are the coordinates for the Homedale airport? I'd like to run
> >the tracking program on my PC, but would like to start with good data.
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> >John Stone
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> >--- In tvnsp@y..., Randy Farley <rdfarley@f...> wrote:
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> > > > Anybody get the same results? The landing site would be 2 miles SW
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> > > >
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> > > --
> > > Regards,
> > > Randy Farley
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127. RE: [tvnsp] Re: Launches

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-17 14:33:41 UTC
From: Doug Rich
Topic: 111 Message: 127

43d 36' 55" -116d 55' 19" Divide the minutes by 60 to get the decimal
value. 55/60=92 19/60=32 So it would be 43d 36.92' -116d 55.32'.
I am no math major, but I think this is right.

Doug

At 10:18 PM 3/16/01 -0700, you wrote:
>Can you convert the location to decimal instead of minutes and seconds.
>
>Thanks
>
>JohnK
>
> > -----Original Message-----
> > From: Doug Rich [mailto:doug@...]
> > Sent: Friday, March 16, 2001 6:35 AM
> > To: tvnsp@yahoogroups.com
> > Subject: Re: [tvnsp] Re: Launches
> >
> >
> > 43d 36' 55" -116d 55' 19" Homedale Municipal Airport which is 34.3
> > miles from the Boise airport at a bearing of 96.0 degrees.
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128. Re: [tvnsp] Re: Launches

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-17 15:09:12 UTC
From: Randy Farley
Topic: 111 Message: 128

I came up with 43.61431 and 116.92419
BTW if anyone use APRS+ and Street Atlas, there is a nice conversion program in aprs+ that converts lat/lons to different formats.
It is in the "Commands" tab, then "Coordinate Conversions" menu

John Knapp wrote:

> Can you convert the location to decimal instead of minutes and seconds.
>
> Thanks
>
> JohnK
>
> > -----Original Message-----
> > From: Doug Rich [mailto:doug@...]
> > Sent: Friday, March 16, 2001 6:35 AM
> > To: tvnsp@yahoogroups.com
> > Subject: Re: [tvnsp] Re: Launches
> >
> >
> > 43d 36' 55" -116d 55' 19" Homedale Municipal Airport which is 34.3
> > miles from the Boise airport at a bearing of 96.0 degrees.
> >
> > Doug Rich
> >
> >]At 05:35 AM 3/16/01 +0000, you wrote:
> > >What are the coordinates for the Homedale airport? I'd like to run
> > >the tracking program on my PC, but would like to start with good data.
> > >
> > >John Stone
> > >K7JPS
> > >
> > >--- In tvnsp@y..., Randy Farley <rdfarley@f...> wrote:
> > > > Jeff
> > > > I did not do tuesdays data, but today it would have landed near Mt
> > >Home Air Force
> > > > Base if i did the data correctly.
> > > > At least it was not Area 52 <;)
> > > >
> > > >
> > > > Jeff Melanson wrote:
> > > >
> > > > > Hi all,
> > > > >
> > > > > Anybody running the prediction program? I ran the balloon

> > >track program and
> > > > > imported the file into Street Atlas. If the balloon were launched
> > >now it would
> > > > > end up directly over Boise Airport at about 38,000 feet traveling
> > >109 MPH.
> > > > > Anybody get the same results? The landing site would be 2 miles SW
> > >of Pine
> > > > > Airport.
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> > > > > Paul Verhage wrote:
> > > > >
> > > > > > The next launch is on 24 March. It will use a 600 gram balloon
> > >and should
> > > > > > make around 70,000 feet. I'd like to launch from the Homedale
> > >Airport. For
> > > > > > prediction purposes, use a max altitude of 70,000 feet, ascent
> > >rate of 1000
> > > > > > feet per minute, and descent rate of 1200 feet per minute.
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> > > > > > I'm starting the checklist. I'd like to develop this
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> > > > > > email. Please add to it. I'll email out something later this
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> > > > > > The plan is to launch the second flight from the hamfest and
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> > > > > > mission control (MC) at the Discover Center (DCI). MC will be
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> > > > > > Paul
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> > > > Regards,
> > > > Randy Farley
> > > > N7GPS -Ham Call-
> > > > My Home at: http://map.findu.com/n7gps
> > > > Find my pickup at: http://map.findu.com/n7gps-9
> > > > or Find my ATV at: http://map.findu.com/n7gps-7
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--
Regards,
Randy Farley
N7GPS -Ham Call-
My Home at: http://map.findu.com/n7gps

Find my pickup at: http://map.findu.com/n7gps-9
or Find my ATV at: http://map.findu.com/n7gps-7

129. Re: [tvnsp] Re: Launches

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-17 16:26:30 UTC
From: Doug Rich
Topic: 111 Message: 129

Randy, is that number fractions of degrees only? That is not degree and
min., correct?
As I look back, you are right in that John wanted only degrees.

Doug

At 08:09 AM 3/17/01 -0700, you wrote:
>I came up with 43.61431 and 116.92419
>BTW if anyone use APRS+ and Street Atlas, there is a nice conversion
>program in
>aprs+ that converts lat/lons to different formats.
>It is in the "Commands" tab, then "Coordinate Conversions" menu
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>John Knapp wrote:
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> > Can you convert the location to decimal instead of minutes and seconds.
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> > Thanks
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> > JohnK
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> > > -----Original Message-----
> > > From: Doug Rich [mailto:doug@...]
> > > Sent: Friday, March 16, 2001 6:35 AM
> > > To: tvnsp@yahoogroups.com
> > > Subject: Re: [tvnsp] Re: Launches
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> > > 43d 36' 55" -116d 55' 19" Homedale Municipal Airport which is 34.3
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> > >]At 05:35 AM 3/16/01 +0000, you wrote:
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> > > >John Stone
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> > > > > I did not do tuesdays data, but today it would have landed near Mt
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> > > > > At least it was not Area 52 <;)
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> > > > > Jeff Melanson wrote:
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> > > > > > Hi all,
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> > > > > > Anybody running the prediction program? I ran the balloon
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> > > > > > imported the file into Street Atlas. If the balloon were launched
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> > > > > > end up directly over Boise Airport at about 38,000 feet traveling
> > > >109 MPH.
> > > > > > Anybody get the same results? The landing site would be 2 miles SW
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> > > > > > > The next launch is on 24 March. It will use a 600 gram balloon
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> > > > > > > make around 70,000 feet. I'd like to launch from the Homedale
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> > > > > > > I'm starting the checklist. I'd like to develop this
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> > > > > > Find my pickup at: http://map.findu.com/n7gps-9
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130. Re: [tvnsp] Re: Launches

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-17 16:52:00 UTC
From: Jeff Melanson
Topic: 111 Message: 130

Hi All,
I used Street Atlas and the coordinates in decimal is;
43.614700, -116.922700
This is the format used by the Balloon Track program.

Jeff Melanson
KD7INN

John Knapp wrote:

> Can you convert the location to decimal instead of minutes and seconds.
>
> Thanks
>
> JohnK
>
> > -----Original Message-----
> > From: Doug Rich [mailto:doug@...]
> > Sent: Friday, March 16, 2001 6:35 AM
> > To: tvnsp@yahoogroups.com
> > Subject: Re: [tvnsp] Re: Launches
> >
> >
> > 43d 36' 55" -116d 55' 19" Homedale Municipal Airport which is 34.3
> > miles from the Boise airport at a bearing of 96.0 degrees.
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> > >--- In tvnsp@y..., Randy Farley <rdfarley@f...> wrote:
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131. RE: [tvnsp] Re: Launches

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-17 16:53:15 UTC
From: John Knapp
Topic: 111 Message: 131

Thanks. For this morning I came up with a landing site of 42.7914 lat
and -115.1309 long. Flight time of 96 minutes and range of 75.9 mi. How does
this compare with some one else?

Thanks
JohnK

> -----Original Message-----
> From: Doug Rich [mailto:doug@...]
> Sent: Saturday, March 17, 2001 7:34 AM
> To: tvnsp@yahoogroups.com
> Subject: RE: [tvnsp] Re: Launches
>
>
> 43d 36' 55" -116d 55' 19" Divide the minutes by 60 to get the decimal
> value. 55/60=92 19/60=32 So it would be 43d 36.92' -116d 55.32'.
> I am no math major, but I think this is right.
>
> Doug
>
> At 10:18 PM 3/16/01 -0700, you wrote:
> >Can you convert the location to decimal instead of minutes and seconds.
> >
> >Thanks
> >
> >JohnK
> >
> > > -----Original Message-----
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132. Re: [tvnsp] Re: Launches

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-17 17:48:20 UTC
From: Jeff Melanson
Topic: 111 Message: 132

John,
Here's the numbers I used.
Homdale Airport lat 43.6147, lon -116.9227, Altitude 2210
Burst Altitude 70,000 ft
Ascent rate 1000
Descent rate 1200
It looks like the landing area altitude is around 2800 ft so I plugged that number in.

This placed the landing site SouthWest of Bruneau by about 4 miles.
lat 42.8403 lon -115.8556
Range 75.8 miles
Flight time 97 minutes

Your landing is about 37 miles east of mine.What data did you use?

John Knapp wrote:

> Thanks. For this morning I came up with a landing site of 42.7914 lat
> and -115.1309 long. Flight time of 96 minutes and range of 75.9 mi. How does
> this compare with some one else?
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> > value. 55/60=92 19/60=32 So it would be 43d 36.92' -116d 55.32'.
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> > At 10:18 PM 3/16/01 -0700, you wrote:
> > >Can you convert the location to decimal instead of minutes and seconds.
> > >
> > >Thanks
> > >
> > >JohnK
> > >
> > > > -----Original Message-----

> > > > From: Doug Rich [mailto:doug@...]
> > > > Sent: Friday, March 16, 2001 6:35 AM
> > > > To: tvnsp@yahoogroups.com
> > > > Subject: Re: [tvnsp] Re: Launches
> > > > >
> > > > >
> > > > > 43d 36' 55" -116d 55' 19" Homedale Municipal Airport which is 34.3
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> > > > > >John Stone
> > > > > >K7JPS
> > > > > >
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> > > > > > > I did not do tuesdays data, but today it would have landed near Mt
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> > > > > > > >
> > > > > > > > > The next launch is on 24 March. It will use a 600
> > gram balloon
> > > > > >and should
> > > > > > > > > make around 70,000 feet. I'd like to launch from the Homedale

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> > > > > > > > > prediction purposes, use a max altitude of 70,000 feet, ascent
> > > > >rate of 1000
> > > > > > > > > feet per minute, and descent rate of 1200 feet per minute.
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> > > > > > > > > I'm starting the checklist. I'd like to develop this
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> > > > > > > > > email. Please add to it. I'll email out something later this
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> > > > > > > > > The plan is to launch the second flight from the hamfest and
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> > > > > > > > > mission control (MC) at the Discover Center (DCI). MC will be
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> > > > > > > > > Regards,
> > > > > > > > > Randy Farley

> > > > > > N7GPS -Ham Call-
> > > > > > My Home at: http://map.findu.com/n7gps
> > > > > > Find my pickup at: http://map.findu.com/n7gps-9
> > > > > > or Find my ATV at: http://map.findu.com/n7gps-7
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133. Re: [tvnsp] Re: Launches

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-17 18:01:48 UTC
From: Jeff Melanson
Topic: 111 Message: 133

One additional note:

Using Street Atlas to plan a route from Homedale to the landing site shows the trip time is 2 hours 17 minutes. Flight time is 97 minutes. The Balloon will travel 76 miles. We will travel 91 miles.

Jeff Melanson wrote:

> John,
> Here's the numbers I used.
> Homdale Airport lat 43.6147, lon -116.9227, Altitude 2210
> Burst Altitude 70,000 ft
> Ascent rate 1000
> Descent rate 1200
> It looks like the landing area altitude is around 2800 ft so I plugged that
> number in.
>
> This placed the landing site SouthWest of Bruneau by about 4 miles.
> lat 42.8403 lon -115.8556
> Range 75.8 miles
> Flight time 97 minutes
>
> Your landing is about 37 miles east of mine.What data did you use?
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> John Knapp wrote:
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> > Thanks. For this morning I came up with a landing site of 42.7914 lat
> > and -115.1309 long. Flight time of 96 minutes and range of 75.9 mi. How does
> > this compare with some one else?
> >
> > Thanks
> > JohnK
> >
> > > -----Original Message-----
> > > From: Doug Rich [mailto:doug@...]
> > > Sent: Saturday, March 17, 2001 7:34 AM
> > > To: tvnsp@yahoogroups.com
> > > Subject: RE: [tvnsp] Re: Launches
> > >
> > >
> > > 43d 36' 55" -116d 55' 19" Divide the minutes by 60 to get the decimal
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> > > > > > > I did not do tuesdays data, but today it would have landed near Mt
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134. RE: [tvnsp] Re: Launches

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-17 18:21:11 UTC
From: John Knapp
Topic: 111 Message: 134

I believe my starting point is off. I used 43.5671 lat and -116.1988 long. (Boise airport??) I haven't plugged in the latest lat and long yet. Ascent rate was 1000 fpm, descent rate was 1200 fpm, launch altitude of 2500ft. The landing altitude was 4000 feet. That may be my problem. When I have a chance (this evening probably) I will adjust and go from there. Thanks for the help.

JohnK

> -----Original Message-----
> From: Jeff Melanson [mailto:kd7inn@...]
> Sent: Saturday, March 17, 2001 10:48 AM
> To: tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] Re: Launches
>
>
> John,
> Here's the numbers I used.
> Homdale Airport lat 43.6147, lon -116.9227, Altitude 2210
> Burst Altitude 70,000 ft
> Ascent rate 1000
> Descent rate 1200
> It looks like the landing area altitude is around 2800 ft so I
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> This placed the landing site SouthWest of Bruneau by about 4 miles.
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>

135. RE: [tvnsp] Re: Launches

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-17 18:21:45 UTC
From: John Knapp
Topic: 111 Message: 135

Sounds like the ballon wins......

> -----Original Message-----
> From: Jeff Melanson [mailto:kd7inn@...]
> Sent: Saturday, March 17, 2001 11:02 AM
> To: tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] Re: Launches
>
>
> One additional note:
>
> Using Street Atlas to plan a route from Homedale to the
> landing site shows the
> trip time is 2 hours 17 minutes. Flight time is 97 minutes. The
> Balloon will
> travel 76 miles. We will travel 91 miles.
>
> Jeff Melanson wrote:
>
> > John,
> > Here's the numbers I used.
> > Homdale Airport lat 43.6147, lon -116.9227, Altitude 2210
> > Burst Altitude 70,000 ft
> > Ascent rate 1000
> > Descent rate 1200
> > It looks like the landing area altitude is around 2800 ft so
> I plugged that
> > number in.
> >
> > This placed the landing site SouthWest of Bruneau by about 4 miles.
> > lat 42.8403 lon -115.8556
> > Range 75.8 miles
> > Flight time 97 minutes
> >
> > Your landing is about 37 miles east of mine.What data did you use?
> >
> > John Knapp wrote:
> >
> > > Thanks. For this morning I came up with a landing site of 42.7914 lat
> > > and -115.1309 long. Flight time of 96 minutes and range of
> 75.9 mi. How does
> > > this compare with some one else?
> > >
> > > Thanks
> > > JohnK

> > >
> > > > -----Original Message-----
> > > > From: Doug Rich [mailto:doug@...]
> > > > Sent: Saturday, March 17, 2001 7:34 AM
> > > > To: tvnsp@yahoogroups.com
> > > > Subject: RE: [tvnsp] Re: Launches
> > > > >
> > > > >
> > > > > 43d 36' 55" -116d 55' 19" Divide the minutes by 60 to get
> the decimal
> > > > > value. 55/60=92 19/60=32 So it would be 43d 36.92' -116d 55.32'.
> > > > > I am no math major, but I think this is right.
> > > > >
> > > > > Doug
> > > > >
> > > > > At 10:18 PM 3/16/01 -0700, you wrote:
> > > > > >Can you convert the location to decimal instead of minutes
> and seconds.
> > > > > >
> > > > > >Thanks
> > > > > >
> > > > > >JohnK
> > > > > >
> > > > > > > -----Original Message-----
> > > > > > > From: Doug Rich [mailto:doug@...]
> > > > > > > Sent: Friday, March 16, 2001 6:35 AM
> > > > > > > To: tvnsp@yahoogroups.com
> > > > > > > Subject: Re: [tvnsp] Re: Launches
> > > > > > >
> > > > > > >
> > > > > > > 43d 36' 55" -116d 55' 19" Homedale Municipal
> Airport which is 34.3
> > > > > > > miles from the Boise airport at a bearing of 96.0 degrees.
> > > > > > >
> > > > > > > Doug Rich
> > > > > > >
> > > > > > >]At 05:35 AM 3/16/01 +0000, you wrote:
> > > > > > > >What are the coordinates for the Homedale airport?
> I'd like to run
> > > > > > > >the tracking program on my PC, but would like to start with
> > > > > good data.
> > > > > > > >
> > > > > > > >John Stone
> > > > > > > >K7JPS
> > > > > > > >
> > > > > > > >--- In tvnsp@y..., Randy Farley <rdfarley@f...> wrote:
> > > > > > > > > Jeff
> > > > > > > > > I did not do tuesdays data, but today it would have
> landed near Mt
> > > > > > > > >Home Air Force

> > > > > > > > Base if i did the data correctly.
> > > > > > > > > At least it was not Area 52 <;)
> > > > > > > > >
> > > > > > > > >
> > > > > > > > > Jeff Melanson wrote:
> > > > > > > > >
> > > > > > > > > Hi all,
> > > > > > > > >
> > > > > > > > > Anybody running the prediction program? I ran
> the balloon
> > > > > > >track program and
> > > > > > > > > imported the file into Street Atlas. If the balloon
> > > > were launched
> > > > > > >now it would
> > > > > > > > > end up directly over Boise Airport at about 38,000 feet
> > > > traveling
> > > > > > >109 MPH.
> > > > > > > > > Anybody get the same results? The landing site would be
> > > > 2 miles SW
> > > > > > >of Pine
> > > > > > > > > Airport.
> > > > > > > > >
> > > > > > > > > Paul Verhage wrote:
> > > > > > > > >
> > > > > > > > > The next launch is on 24 March. It will use a 600
> > > > gram balloon
> > > > > > >and should
> > > > > > > > > make around 70,000 feet. I'd like to launch
> from the Homedale
> > > > > > >Airport. For
> > > > > > > > > prediction purposes, use a max altitude of
> 70,000 feet, ascent
> > > > > > >rate of 1000
> > > > > > > > > feet per minute, and descent rate of 1200 feet
> per minute.
> > > > > > > > >
> > > > > > > > > I'm starting the checklist. I'd like to develop this
> > > > > > >collabratively, over
> > > > > > > > > email. Please add to it. I'll email out
> something later this
> > > > > > >morning.
> > > > > > > > >
> > > > > > > > > The plan is to launch the second flight from
> the hamfest and
> > > > > > >maintain
> > > > > > > > > mission control (MC) at the Discover Center
> (DCI). MC will be
> > > > > > >set up the
> > > > > > > > > night before and will need a radio for voice,
> and a PC or two

> > > > > > >for APRS and
> > > > > > > > > > SSTV. That means we need two more radios. Can
> > > > anyone help with
> > > > > > >lending the
> > > > > > > > > > equipment? Doug has volunteered to man MC, can
> > > > anyone else help
> > > > > > >him?
> > > > > > > > > > Launch time will be 9:30 or 10:00, winds permitting.
> > > > We need to
> > > > > > >be at DCI
> > > > > > > > > > by say 9:00, to get everything up and running.
> > > > > > > > > >
> > > > > > > > > > Paul
> > > > > > > > > >
> > > > > > > > > >
> > > > > > > > > > To unsubscribe from this group, send an email to:
> > > > > > > > > > tvnsp-unsubscribe@egroups.com
> > > > > > > > > >
> > > > > > > > > >
> > > > > > > > > >
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> > > > > > > > > >
> > > > > > > > > > --
> > > > > > > > > > Regards,
> > > > > > > > > > Randy Farley
> > > > > > > > > > N7GPS -Ham Call-
> > > > > > > > > > My Home at: http://map.findu.com/n7gps
> > > > > > > > > > Find my pickup at: http://map.findu.com/n7gps-9
> > > > > > > > > > or Find my ATV at: http://map.findu.com/n7gps-7
> > > > > > > > >
> > > > > > > > >
> > > > > > > > >
> > > > > > >To unsubscribe from this group, send an email to:
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136. RE: [tvnsp] Re: Launches

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-17 18:36:13 UTC
From: John Knapp
Topic: 111 Message: 136

I redid my estimate and came up with the following:

Launch site: 43.6147, -116.9227 alt. 2210

Landing: 42.8406, -115.856 using altitude of 2500.

JohnK

> -----Original Message-----
> From: Jeff Melanson [mailto:kd7inn@...]
> Sent: Saturday, March 17, 2001 10:48 AM
> To: tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] Re: Launches
>
>
> John,
> Here's the numbers I used.
> Homdale Airport lat 43.6147, lon -116.9227, Altitude 2210
> Burst Altitude 70,000 ft
> Ascent rate 1000
> Descent rate 1200
> It looks like the landing area altitude is around 2800 ft so I
> plugged that
> number in.
>
> This placed the landing site SouthWest of Bruneau by about 4 miles.
> lat 42.8403 lon -115.8556
> Range 75.8 miles
> Flight time 97 minutes
>
> Your landing is about 37 miles east of mine.What data did you use?
>
> John Knapp wrote:
>
> > Thanks. For this morning I came up with a landing site of 42.7914 lat
> > and -115.1309 long. Flight time of 96 minutes and range of 75.9
> mi. How does
> > this compare with some one else?
> >
> > Thanks
> > JohnK
> >
> > > -----Original Message-----
> > > From: Doug Rich [mailto:doug@...]
> > > Sent: Saturday, March 17, 2001 7:34 AM
> > > To: tvnsp@yahoogroups.com

> > > Subject: RE: [tvnsp] Re: Launches
> > >
> > >
> > > 43d 36' 55" -116d 55' 19" Divide the minutes by 60 to get
> the decimal
> > > value. 55/60=92 19/60=32 So it would be 43d 36.92' -116d 55.32'.
> > > I am no math major, but I think this is right.
> > >
> > > Doug
> > >
> > > At 10:18 PM 3/16/01 -0700, you wrote:
> > > >Can you convert the location to decimal instead of minutes
> and seconds.
> > > >
> > > >Thanks
> > > >
> > > >JohnK
> > > >
> > > > -----Original Message-----
> > > > From: Doug Rich [mailto:doug@...]
> > > > Sent: Friday, March 16, 2001 6:35 AM
> > > > To: tvnsp@yahoogroups.com
> > > > Subject: Re: [tvnsp] Re: Launches
> > > >
> > > >
> > > > 43d 36' 55" -116d 55' 19" Homedale Municipal Airport
> which is 34.3
> > > > miles from the Boise airport at a bearing of 96.0 degrees.
> > > >
> > > > Doug Rich
> > > >
> > > >]At 05:35 AM 3/16/01 +0000, you wrote:
> > > > >What are the coordinates for the Homedale airport? I'd
> like to run
> > > > >the tracking program on my PC, but would like to start with
> > > good data.
> > > > >
> > > > >John Stone
> > > > >K7JPS
> > > > >
> > > > >--- In tvnsp@y..., Randy Farley <rdfarley@f...> wrote:
> > > > > > Jeff
> > > > > > I did not do tuesdays data, but today it would have
> landed near Mt
> > > > >Home Air Force
> > > > > > Base if i did the data correctly.
> > > > > > At least it was not Area 52 <;)
> > > > > >
> > > > > >
> > > > > > Jeff Melanson wrote:

> > > > > > >
> > > > > > > > Hi all,
> > > > > > > > >
> > > > > > > > > Anybody running the prediction program? I ran
> the balloon
> > > > > >track program and
> > > > > > > > > imported the file into Street Atlas. If the balloon
> > > were launched
> > > > > > >now it would
> > > > > > > > > end up directly over Boise Airport at about 38,000 feet
> > > traveling
> > > > > > >109 MPH.
> > > > > > > > > Anybody get the same results? The landing site would be
> > > 2 miles SW
> > > > > > >of Pine
> > > > > > > > > Airport.
> > > > > > > > >
> > > > > > > > > Paul Verhage wrote:
> > > > > > > > >
> > > > > > > > > > The next launch is on 24 March. It will use a 600
> > > gram balloon
> > > > > > >and should
> > > > > > > > > > make around 70,000 feet. I'd like to launch from
> the Homedale
> > > > > > >Airport. For
> > > > > > > > > > prediction purposes, use a max altitude of 70,000
> feet, ascent
> > > > > > >rate of 1000
> > > > > > > > > > feet per minute, and descent rate of 1200 feet per minute.
> > > > > > > > > >
> > > > > > > > > > I'm starting the checklist. I'd like to develop this
> > > > > > >collabratively, over
> > > > > > > > > > email. Please add to it. I'll email out
> something later this
> > > > > > >morning.
> > > > > > > > > >
> > > > > > > > > > The plan is to launch the second flight from the
> hamfest and
> > > > > > >maintain
> > > > > > > > > > mission control (MC) at the Discover Center
> (DCI). MC will be
> > > > > > >set up the
> > > > > > > > > > night before and will need a radio for voice, and
> a PC or two
> > > > > > >for APRS and
> > > > > > > > > > SSTV. That means we need two more radios. Can
> > > anyone help with
> > > > > > >lending the
> > > > > > > > > > equipment? Doug has volunteered to man MC, can
> > > anyone else help

> > > > > >him?
> > > > > > > > > > Launch time will be 9:30 or 10:00, winds permitting.
> > > We need to
> > > > > >be at DCI
> > > > > > > > > > by say 9:00, to get everything up and running.
> > > > > > > > > > >
> > > > > > > > > > > Paul
> > > > > > > > > > >
> > > > > > > > > > >
> > > > > > > > > > > To unsubscribe from this group, send an email to:
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> > > > > > > > > > >
> > > > > > > > > > >
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> > > > > > > > > > >
> > > > > > > > > > > --
> > > > > > > > > > > Regards,
> > > > > > > > > > > Randy Farley
> > > > > > > > > > > N7GPS -Ham Call-
> > > > > > > > > > > My Home at: http://map.findu.com/n7gps
> > > > > > > > > > > Find my pickup at: http://map.findu.com/n7gps-9
> > > > > > > > > > > or Find my ATV at: http://map.findu.com/n7gps-7
> > > > > > > > > >
> > > > > > > > > >
> > > > > > > > > >
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137. RE: [tvnsp] Re: Launches

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-17 20:50:23 UTC
From: Paul Verhage
Topic: 111 Message: 137

> One additional note:
>
> Using Street Atlas to plan a route from Homedale to the
> landing site shows the
> trip time is 2 hours 17 minutes. Flight time is 97 minutes.

What!!
Do you mean to tell me that we can't keep up with a rubber balloon!?

Just wait until the balloon passes through the jet stream!

Paul

138. Status, 17 Mar

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-17 21:09:22 UTC
From: Paul Verhage
Topic: 138 Message: 138

If launched today, the balloon would recovery east of Fruitland. The balloon would travel 23 miles, not too bad. The 6.5 day medium range forecast (MRF) shows winds aloft from the south. If that holds up, we'll need to launch farther south to keep out of the mountains.

The camcorder frame has been completed. I'll make an interface cable (1 hour) and update the flight program (1 hour) tonight.

In the last 24 hours, I've have people come up to me asking about near space. Perhaps this will lead to two new members.

I'll pick up tanks of helium on Friday after work. I'd like to get together with everyone Friday evening to discuss the flight. I'll put together more of a checklist and email it.

Paul

139. Status, 17 Mar, pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-17 21:12:16 UTC
From: Paul Verhage
Topic: 139 Message: 139

I just remembered. I just found out we got money from the Idaho Space Grant Consortium for the August flight. The Boise Astronomical Society has donated the other half. The money pays for a 3000 gram balloon and three tanks of helium.

My cell phone battery has died. No one makes batteries for the old NECs anymore, so I've changed my cell phone service. I'll email out the new number as soon as I learn it, myself.

Paul

140. Re: Status, 17 Mar

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-17 22:26:29 UTC
From: k7jps@arrl.net
Topic: 138 Message: 140

>If launched today, the balloon would recovery east of Fruitland. The
>balloon would travel 23 miles, not too bad. The 6.5 day medium range
>forecast (MRF) shows winds aloft from the south. If that holds up,
>we'll need to launch farther south to keep out of the mountains.

What info were you using for the launch site? Jeff, John K and I
all have the landing site SW of Bruno Dunes using 3/17 12Z data from
BOI. It will be interesting to see how the winds aloft change during
the week and effect the landing site location.

>I'll pick up tanks of helium on Friday after work. I'd like to get
>together with everyone Friday evening to discuss the flight. I'll
>put together more of a checklist and email it.

You were wanting to make sure that we still had daylight for the
Friday evening briefing. The sunsets at 7:03p so if we meet at 6:00p
there should be plenty of time. Also, the sunrise for 3/24 is at
6:42a so if we have relatively clear skys it should be light by 6:15.
Sunrise/Sunset tables and twilight data is available at:
http://aa.usno.navy.mil/data/

John Stone
K7JPS

141. RE: [tvnsp] Re: Launches

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-18 01:34:37 UTC
From: John Knapp
Topic: 111 Message: 141

Using data from 1200Z 17 Mar 01 I got the following:

I came up with a landing site of:

42.8435 lat and -115.8592 long.

If I did the conversion correctly, it looks like the balloon would land about 4.3 miles South West of Bruneau. Range of 75.5 Miles and Flight time of 100 Minutes.

Does this sound about right??

I seemed to have lost me notes on the Web Site where I can get the future forcasts, cna some one send the URL to me?

Also, someone was looking for MSDOS 6.2. I found a copy but can't remember how wanted it. Let me know, I will try to get it to you.

JohnK

> -----Original Message-----
> From: Jeff Melanson [mailto:kd7inn@...]
> Sent: Saturday, March 17, 2001 11:02 AM
> To: tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] Re: Launches
>
>
> One additional note:
>
> Using Street Atlas to plan a route from Homedale to the
> landing site shows the
> trip time is 2 hours 17 minutes. Flight time is 97 minutes. The
> Balloon will
> travel 76 miles. We will travel 91 miles.
>
> Jeff Melanson wrote:
>
> > John,
> > Here's the numbers I used.
> > Homdale Airport lat 43.6147, lon -116.9227, Altitude 2210
> > Burst Altitude 70,000 ft
> > Ascent rate 1000
> > Descent rate 1200
> > It looks like the landing area altitude is around 2800 ft so
> I plugged that
> > number in.
> >

> > This placed the landing site SouthWest of Bruneau by about 4 miles.
> > lat 42.8403 lon -115.8556
> > Range 75.8 miles
> > Flight time 97 minutes
> >
> > Your landing is about 37 miles east of mine.What data did you use?
>

142. Status, 18 Mar

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-18 21:20:10 UTC
From: Paul Verhage
Topic: 142 Message: 142

> What info were you using for the launch site? Jeff, John K and I
> all have the landing site SW of Bruno Dunes using 3/17 12Z data from
> BOI. It will be interesting to see how the winds aloft change during
> the week and effect the landing site location.

I used the Homedale Airport as the launch site, but Saturday morning's winds. To look up the landing site, I went to Mapblast.

> You were wanting to make sure that we still had daylight for the
> Friday evening briefing. The sunsets at 7:03p so if we meet at 6:00p
> there should be plenty of time. Also, the sunrise for 3/24 is at
> 6:42a so if we have relatively clear skys it should be light by 6:15.
> Sunrise/Sunset tables and twilight data is available at:
> http://aa.usno.navy.mil/data/

That settles it then, the Friday meeting is that the Caldwell Idaho Pizza Company at 6:00 pm. I'll make reservations today. Let's start filling at 5:30, with a planned launch at 6:30. Keep watching the weather report.

The capsules are assembled and stacked. The software was written last night and tested this morning. I ran into a problem that took 30 minutes to figure and 30 seconds to correct. If the camcord is put on Standby, it doesn't respond to commands from the flight computer. I'll pick up a 9V battery today. That should be the last tiem needed before launch. I'll make up a new flight battery later in the week. Testing is using an older battery. There are three Remove Before Flight tags on the capsules. One for the beacon, one for the IR camera lens and the last for the camcorder.

Paul

143. RE: [tvnsp] Re: Launches

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-18 21:26:22 UTC
From: Paul Verhage
Topic: 111 Message: 143

> I seemed to have lost me notes on the Web Site where I can
> get the future
> forcasts, cna some one send the URL to me?

MRF are located at http://weather.unisys.com/mrf/index.html

The Biose NWS is located at http://www.wrh.noaa.gov/boise/

Paul

144. Re: [tvnsp] Status, 18 Mar

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-19 04:49:10 UTC
From: Jeff Melanson
Topic: 142 Message: 144

Paul,
I couldn't get any of the data to indicate a landing near Fruitland. It all indicates a flight going East or Southeast of Homedale. How did you do it?

Paul Verhage wrote:

> > What info were you using for the launch site? Jeff, John K and I
> > all have the landing site SW of Bruno Dunes using 3/17 12Z data from
> > BOI. It will be interesting to see how the winds aloft change during
> > the week and effect the landing site location.
>
> I used the Homedale Airport as the launch site, but Saturday morning's
> winds. To look up the landing site, I went to Mapblast.
>

145. RE: [tvnsp] Status, 18 Mar

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-19 13:55:40 UTC
From: Paul Verhage
Topic: 142 Message: 145

I wonder if I didn't convert lat and long properly. I'll try again today.

Paul

> -----Original Message-----
> From: Jeff Melanson [mailto:kd7inn@...]
> Sent: Sunday, March 18, 2001 9:49 PM
> To: tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] Status, 18 Mar
>
>
> Paul,
> I couldn't get any of the data to indicate a landing near
> Fruitland. It all
> indicates a flight going East or Southeast of Homedale. How
> did you do it?
>
> Paul Verhage wrote:
>
> > > What info were you using for the launch site? Jeff, John K and I
> > > all have the landing site SW of Bruno Dunes using 3/17
> 12Z data from
> > > BOI. It will be interesting to see how the winds aloft
> change during
> > > the week and effect the landing site location.
> >
> > I used the Homedale Airport as the launch site, but
> Saturday morning's
> > winds. To look up the landing site, I went to Mapblast.
> >
>
>
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146. Status, 19 Mar

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-19 14:09:25 UTC
From: Paul Verhage
Topic: 146 Message: 146

If launched with this mornings winds, the capsule would recover 2 miles past exit 99 on I-84. This puts it a few miles southeast of Mt. Home. I think it would be an acceptable place to recover.

Doug is running into problems with his tracker. Who else is planning to bring a tracker? My setup won't be ready by Saturday. Although I plan to bring my doppler. If I carry the tanks, I will only have room for one passenger. I'll need someone with a radio to ride shotgun. Volunteers?

We'll use the 25 repeater for the chase. We'll go to 146.52 simplex if we drop into a valley.

Paul

147. Status 19 Mar, pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-19 18:31:46 UTC
From: Paul Verhage
Topic: 147 Message: 147

My cell phone has died. I'm the process of getting a new service, once I do, I'll pass my number along. In the meanwhile, here are two other numbers for TVNSP (and BOI). The phone number to the Boise flight tower is 334-1642. To file a NOTAMS, call 383-3110. NOTAMS should also have a toll-free number. As soon as I find it, I'll pass it along.

I called Boise and NOTAMS a few minutes ago, notifying them of the launch. I'll bring my working cell phone with me on Saturday. after the launch we want to give them another call.

Depending on winds we may move the launch site. we'll make that determination on Friday at dinner. I've already scheduled Idaho Pizza for us. I'll bring the capsules to that meeting so we can test tracking equipment. I'll also show you how to connect the capsules.

Paul

148. RE: [tvnsp] Status, 19 Mar

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-20 01:24:58 UTC
From: John Knapp
Topic: 146 Message: 148

Paul, I indicated at the Saturday meeting I would be glad to put the tanks in the back of my Truck. I will bring extra snubbers and a couple of blankets so they won't rattle around. The should be secure and if I ride with someone else (I don't know if I will be single or with Deb yet) the back locks so it is secure. That way you don't have to worry about the tanks in the back of your XJ.

I noticed last night the long range forcast indicated a possiblity of thunderstorms Friday and Saturday. What kind of wrinkle could that throw in the launch plans if the possibility still exit?

JohnK

> -----Original Message-----
> From: Paul Verhage [mailto:pverhage@...]
> Sent: Monday, March 19, 2001 7:09 AM
> To: 'tvnsp@egroups.com'
> Subject: [tvnsp] Status, 19 Mar
>
>
> If launched with this mornings winds, the capsule would recover 2
> miles past
> exit 99 on I-84. This puts it a few miles southeast of Mt. Home. I think
> it would be an acceptable place to recover.
>
> Doug is running into problems with his tracker. Who else is planning to
> bring a tracker? My setup won't be ready by Saturday. Although I plan to
> bring my doppler. If I carry the tanks, I will only have room for one
> passenger. I'll need someone with a radio to ride shotgun. Volunteers?
>
> We'll use the 25 repeater for the chase. We'll go to 146.52 simplex if we
> drop into a valley.
>
> Paul
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
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>
>
>

149. RE: [tvnsp] Status, 19 Mar

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-20 13:59:34 UTC
From: Paul Verhage
Topic: 146 Message: 149

> Paul, I indicated at the Saturday meeting I would be glad to
> put the tanks
> in the back of my Truck.

I recall that now, thanks.
Will you have room for the launch tower?

> I noticed last night the long range forcast indicated a possiblity of
> thunderstorms Friday and Saturday. What kind of wrinkle could
> that throw in
> the launch plans if the possibility still exit?

That's a problem. I want to operate a 35mm camera on this flight. If we're clouded in, we'll skip to sunday or the next week. If it's only partly cloudy and not windy, we'll launch

Paul

150. Status, 20 Mar

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-20 14:17:41 UTC
From: Paul Verhage
Topic: 150 Message: 150

If launched this morning, the balloon would recover just north of Anderson Ranch. In this case, we need to launch from Murphy, as it would put the capsule down just north of Glenn's Ferry.

The weather is predicted to cooperate until Friday, this weekend there is a chance of rain. If we have broken clouds, then we'll still launch.

The MRF shows winds from the west at 300 mb (about 35,000 feet). This matches what the tracking program predicts. On Saturday the prediction is for the same winds. If we're lucky, the chance of rain is just that, a chance. And it won't be starting up until later in the day.

We may have staff and students from UWyo out of Bozeman visiting for this launch.

Who will be bringing a tracker?

Two other experiments will be going up on this flight. The first is a pager. I want to call it during the flight. The second is a few thermochrons. They're self-contained time and temperature devices. The record the time and temp according to how you program them. I'll set the up for their mission on Friday at the meeting.

Paul

151. Re: [tvnsp] Status, 20 Mar

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-20 16:02:16 UTC
From: Mike Garske
Topic: 150 Message: 151

Paul, can you send a list of the all the frequencies that will be used on the flight? Thanks!

Mike KC7DPD
----- Original Message -----
From: "Paul Verhage" <pverhage@...>
To: "'tvnsp@egroups.com'" <tvnsp@yahoogroups.com>
Sent: Tuesday, March 20, 2001 7:17 AM
Subject: [tvnsp] Status, 20 Mar

> If launched this morning, the balloon would recover just north of Anderson
> Ranch. In this case, we need to launch from Murphy, as it would put the
> capsule down just north of Glenn's Ferry.
>
> The weather is predicted to cooperate until Friday, this weekend there is
a
> chance of rain. If we have broken clouds, then we'll still launch.
>
> The MRF shows winds from the west at 300 mb (about 35,000 feet). This
> matches what the tracking program predicts. On Saturday the prediction is
> for the same winds. If we're lucky, the chance of rain is just that, a
> chance. And it won't be starting up until later in the day.
>
> We may have staff and students from UWyo out of Bozeman visiting for this
> launch.
>
> Who will be bringing a tracker?
>
> Two other experiments will be going up on this flight. The first is a
> pager. I want to call it during the flight. The second is a few
> thermochrons. They're self-contained time and temperature devices. The
> record the time and temp according to how you program them. I'll set the
up
> for their mission on Friday at the meeting.
>
> Paul
>
>
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>
>
>
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>

>
>
>

152. RE: [tvnsp] Status, 20 Mar

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-20 16:15:04 UTC
From: Paul Verhage
Topic: 150 Message: 152

The frequencies as of this time are,

APRS 144.390
Voice (repeater)147.250 (did I get this right?)
Voice (simplex (146.520)

Paul

> Paul, can you send a list of the all the frequencies that
> will be used on
> the flight? Thanks!

153. RE: [tvnsp] Status, 19 Mar

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-21 00:07:03 UTC
From: John Knapp
Topic: 146 Message: 153

Possibly. The truck is a 6 foot bed - depends on how big it is. Hopefully it will fit and we will put it back there also.

JohnK

> -----Original Message-----
> From: Paul Verhage [mailto:pverhage@...]
> Sent: Tuesday, March 20, 2001 7:00 AM
> To: 'tvnsp@yahoogroups.com'
> Subject: RE: [tvnsp] Status, 19 Mar
>
>
> > Paul, I indicated at the Saturday meeting I would be glad to
> > put the tanks
> > in the back of my Truck.
>
> I recall that now, thanks.
> Will you have room for the launch tower?
>
> > I noticed last night the long range forcast indicated a possiblity of
> > thunderstorms Friday and Saturday. What kind of wrinkle could
> > that throw in
> > the launch plans if the possibility still exit?
>
> That's a problem. I want to operate a 35mm camera on this
> flight. If we're
> clouded in, we'll skip to sunday or the next week. If it's only partly
> cloudy and not windy, we'll launch
>
> Paul
>
>
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>
>

154. Re: [tvnsp] Status, 20 Mar

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-21 01:23:26 UTC
From: Jeff Melanson
Topic: 150 Message: 154

Paul Verhage wrote:

> Who will be bringing a tracker?
>

Hi Paul,

I will be bringing my tracker. I had a noise problem but I have corrected it by running power wires directly to the battery instead of the lighter plug. I will continue testing this week to make sure it's working good. I don't anticipate any problems other than my own learning curve. You can help me make sure it's set up correctly and tracking the balloon before launching. For now I have to enter the configuration every startup until we get the registration code. Would you be intersested in testing it Friday night when we meet at Idaho Pizza?

Jeff Melanson
KD7INN

155. Re: [tvnsp] Status, 20 Mar

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-21 01:37:32 UTC
From: Jeff Melanson
Topic: 150 Message: 155

Paul,

The repeater is 147.240.

Jeff Melanson
KD7INN

Paul Verhage wrote:

> The frequencies as of this time are,
>
> APRS 144.390
> Voice (repeater)147.250 (did I get this right?)
> Voice (simplex (146.520)
>
> Paul
>
> > Paul, can you send a list of the all the frequencies that
> > will be used on
> > the flight? Thanks!
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
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156. RE: [tvnsp] Status, 19 Mar

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-21 14:00:02 UTC
From: Paul Verhage
Topic: 146 Message: 156

The tower is 6' tall. Great.

Paul

> Possibly. The truck is a 6 foot bed - depends on how big it
> is. Hopefully it
> will fit and we will put it back there also.

157. RE: [tvnsp] Status, 20 Mar

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-21 14:01:15 UTC
From: Paul Verhage
Topic: 150 Message: 157

> Would you be intersested in testing it Friday night
> when we meet at Idaho
> Pizza?

You bet. The capsules will be invited to dinner. I'll power them up outside for an ops test.

Paul

158. Status, 21 Mar

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-21 14:28:26 UTC
From: Paul Verhage
Topic: 158 Message: 158

This morning's winds would put the capsule down just west of Featherville, in the Boises. The predicted landing position is just a little farther north and a bit closer to the launch site. The MRF or Saturday shows the same kinds of winds aloft. Very weak near the surface with a easternly flow at 300 mb (about 30,000 feet). The wind speeds are also low at 300 mb. So it doesn't look like there will be much of a change between now and Saturday morning. In this case it looks like we'll launch from Murphy instead of Homedale. Just across the street from downtown Murphy is their international airport. We'll fill on the runway itself.

On Friday we'll decide if we'll fly the IR camera or a beacon or a repeater. If I fly the repeater, you'll need a 440 radio to talk to it. The frequency will be 446.520 as I recall.

The pager has been set up. It's number is 467-9820. we need to call it every 10,000 feet. When you call, we need to leave a number. The number will be the altitude in increments of 10,000 feet. So at 10,000 feet, when you call, leave 1111111. At 50,000 feet, it's 5555555. I'll program the capsule to remind us.

I'll have room for three passengers. I need someone to operate their radio and my cell phone. I'll bring a doppler radio for tracking. My cell phone is set up with the numbers for the FAA and the pager. Who every rides shotgun needs to call the FAA and the pager for me.

I've sent the check for APRS. Does anyone know when the Pony Express leaves Idaho? The letter is addressed to a California address. So if they can manage to keep their lights on, we should get a reply back shortly. Please pass the word.

Also, we should proably send the word that the flight will take place this Saturday to all APRS users. If the repeater goes up, I want to advertise that also.

Who plans to be at the meeting this Friday? Bring you tracking and comm equipment. We'll run a full up test. I'll also show you how to set up the capsule. we may also do some reprogramming on the capsule.

Finally, we may have visitors from Bozeman, to watch the launch.

Paul

159. Frequencies and Number

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-21 14:35:15 UTC
From: Paul Verhage
Topic: 159 Message: 159

The repeater frequency is 147.240. That's our chase frequency as long as we're in range.

Simplex is 146.520
APRS is 144.290

If we fly the repeater, it will be 446.520

Please pass the word.

Also, I can be reached at 631-7162.

Paul

160. Murphy Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-21 17:53:12 UTC
From: Paul Verhage
Topic: 160 Message: 160

If launched from Murphy, the capsule will set down in the Camas Prairie, four miles south of Hill City

Paul

161. Re: [tvnsp] Status, 20 Mar

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-21 21:42:39 UTC
From: Craig Brunson
Topic: 150 Message: 161

----- Original Message ----- >
> Two other experiments will be going up on this flight. The first is a
> pager. I want to call it during the flight. The second is a few
> thermochrons. They're self-contained time and temperature devices. The
> record the time and temp according to how you program them. I'll set the
up
> for their mission on Friday at the meeting.
>
> Paul

Paul-

I was looking into thermochrons & found they only work to -30c. How high is
your balloon going up & what temperature do you predict to hit?

73
Craig
N7TSZ

162. RE: [tvnsp] Status, 20 Mar

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-21 21:51:53 UTC
From: Paul Verhage
Topic: 150 Message: 162

> I was looking into thermochrons & found they only work to
> -30c. How high is
> your balloon going up & what temperature do you predict to hit?

It'll get colder. I'll be putting the Thermochron inside the second capsule, where the temp doesn't get as low. But outside the capsule the temp will drop to -60 deg F, or around -50 deg C.

Paul

163. Re: [tvnsp] Frequencies and Number

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-21 23:56:10 UTC
From: Doug Rich
Topic: 159 Message: 163

Are you sure the frequency you want to use for APRS is 144.290? The
standard is 144.390.

Doug

At 07:35 AM 3/21/01 -0700, you wrote:
>The repeater frequency is 147.240. That's our chase frequency as long as
>we're in range.
>
>Simplex is 146.520
>APRS is 144.290
>
>If we fly the repeater, it will be 446.520
>
>Please pass the word.
>
>Also, I can be reached at 631-7162.
>
>Paul
>
>
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>
>
>
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164. RE: [tvnsp] Murphy Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-22 00:04:05 UTC
From: John Knapp
Topic: 160 Message: 164

What is the location of Murphy Airport......

> -----Original Message-----
> From: Paul Verhage [mailto:pverhage@...]
> Sent: Wednesday, March 21, 2001 10:53 AM
> To: 'tvnsp@yahoogroups.com'
> Subject: [tvnsp] Murphy Launch
>
>
> If launched from Murphy, the capsule will set down in the Camas Prairie,
> four miles south of Hill City
>
> Paul
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
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>

165. Re: [tvnsp] Murphy Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-22 01:21:52 UTC
From: Jeff Melanson
Topic: 160 Message: 165

John,
lat is 43.2158
lon is -116.55
Altitude is 2825

Jeff Melanson
KD7INN

John Knapp wrote:

> What is the location of Murphy Airport......
>

166. Status, 22 Mar

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-22 14:08:30 UTC
From: Paul Verhage
Topic: 166 Message: 166

If launched this morning from Murphy, the capsule will recover 8 miles north of Glenn's Ferry. The predicted weather for Saturday is for a chance of rain. The MRF predicts winds continuing to come from 270 deg until Sunday. The isobars have a wide spacing, indicating low wind speeds.

I modified the flight program to send a pager message every 10,000 feet. I have also built the flight battery. All that reamins is to pick up the helium.

I'm still looking for a passenger with a radio. I think John and Justin said they could ride with me. I will have the doppler and it will be running the entire flight. Who ever rides with me will need to also operate the cell phone. I'll print directions tonight. All you'll have to do is call the FAA and the pager.

If it's cloudy the morning of launch, we will replace the IR camera with an empty panel.

Doug, how's your APRS tracker? Do we have chase crews from Ontario/Friutland?

Paul
"I will not make a mistake, the flight will be perfect"
"I hope"

167. Re: [tvnsp] Status, 22 Mar

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-22 14:24:19 UTC
From: Stephanie Steele
Topic: 166 Message: 167

Sorry to miss it Paul but I am working on Saturday. I should make the April flight.

Stephanie

Paul Verhage wrote:

> If launched this morning from Murphy, the capsule will recover 8 miles north
> of Glenn's Ferry. The predicted weather for Saturday is for a chance of
> rain. The MRF predicts winds continuing to come from 270 deg until Sunday.
> The isobars have a wide spacing, indicating low wind speeds.
>
> I modified the flight program to send a pager message every 10,000 feet. I
> have also built the flight battery. All that reamins is to pick up the
> helium.
>
> I'm still looking for a passenger with a radio. I think John and Justin
> said they could ride with me. I will have the doppler and it will be
> running the entire flight. Who ever rides with me will need to also operate
> the cell phone. I'll print directions tonight. All you'll have to do is
> call the FAA and the pager.
>
> If it's cloudy the morning of launch, we will replace the IR camera with an
> empty panel.
>
> Doug, how's your APRS tracker? Do we have chase crews from
> Ontario/Friutland?
>
> Paul
> "I will not make a mistake, the flight will be perfect"
> "I hope"
>
>
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168. Repeater Question

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-22 17:32:24 UTC
From: Paul Verhage
Topic: 168 Message: 168

Does the 24 repeater have a positive or negative offset?

We'll have three additional chase crews from Montana, and need to give them the comms frequency.

Paul

169. Status, 22 mar, pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-22 20:12:26 UTC
From: Paul Verhage
Topic: 169 Message: 169

We'll have three students from Montana U (at Bozeman) attending the launch. They plan to meet us at Idaho Pizza for dinner Friday. Make sure you bring your tracking stuff to show them.

Paul

170. RE: [tvnsp] Repeater Question

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-22 22:05:47 UTC
From: John Knapp
Topic: 168 Message: 170

I believe it is a positive offset.

JohnK

> -----Original Message-----
> From: Paul Verhage [mailto:pverhage@...]
> Sent: Thursday, March 22, 2001 10:32 AM
> To: 'tvnsp@yahoogroups.com'
> Subject: [tvnsp] Repeater Question
>
>
> Does the 24 repeater have a positive or negative offset?
>
> We'll have three additional chase crews from Montana, and need to
> give them
> the comms frequency.
>
> Paul
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
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>
>
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>
>
>

171. RE: [tvnsp] Status, 22 Mar

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-22 22:10:07 UTC
From: John Knapp
Topic: 166 Message: 171

Paul, I came up with the same location as you for a landing. There could be some problem finding the ballon that far north of Glenns Ferry. Its been about 20 years since I have been in the area but believe there are canyons in the flats north of town.

JohnK
> -----Original Message-----
> From: Paul Verhage [mailto:pverhage@...]
> Sent: Thursday, March 22, 2001 7:09 AM
> To: 'tvnsp@egroups.com'
> Subject: [tvnsp] Status, 22 Mar
>
>
> If launched this morning from Murphy, the capsule will recover 8
> miles north
> of Glenn's Ferry. The predicted weather for Saturday is for a chance of
> rain. The MRF predicts winds continuing to come from 270 deg
> until Sunday.
> The isobars have a wide spacing, indicating low wind speeds.
>
> I modified the flight program to send a pager message every
> 10,000 feet. I
> have also built the flight battery. All that reamins is to pick up the
> helium.
>
> I'm still looking for a passenger with a radio. I think John and Justin
> said they could ride with me. I will have the doppler and it will be
> running the entire flight. Who ever rides with me will need to
> also operate
> the cell phone. I'll print directions tonight. All you'll have to do is
> call the FAA and the pager.
>
> If it's cloudy the morning of launch, we will replace the IR
> camera with an
> empty panel.
>
> Doug, how's your APRS tracker? Do we have chase crews from
> Ontario/Friutland?
>
> Paul
> "I will not make a mistake, the flight will be perfect"
> "I hope"
>
>
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>
>
>
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>
>
>

172. RE: [tvnsp] Repeater Question

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-23 02:32:45 UTC
From: John Knapp
Topic: 168 Message: 172

When is the meeting Friday? 6 or 7pm?

JohnK

> -----Original Message-----
> From: Paul Verhage [mailto:pverhage@...]
> Sent: Thursday, March 22, 2001 10:32 AM
> To: 'tvnsp@yahoogroups.com'
> Subject: [tvnsp] Repeater Question
>
>
> Does the 24 repeater have a positive or negative offset?
>
> We'll have three additional chase crews from Montana, and need to
> give them
> the comms frequency.
>
> Paul
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
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>
>
>

173. RE: [tvnsp] Status, 22 Mar

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-23 04:07:00 UTC
From: John Knapp
Topic: 166 Message: 173

I am not sure if I am doing the calculations correctly, but I show that using tonights data the ballon would land south west of Mountain Home about 6 miles. - Lat 43.1205 and Long -115.709. Range was 42.9 miles at a bearing of 98.5 degrees.

Can someone confirm my data?

JohnK

174. Re: [tvnsp] Repeater Question

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-23 05:59:21 UTC
From: Russell Dunn
Topic: 168 Message: 174

Paul

147.24+ no tone required for Cinnabar Mtn near Silver City.

Here's Jake's homepage table of contents from which you may download frequencies for many area repeaters. Your Montana friends might find it useful.
http://www.n7viv.com/contents.htm there are SW Idaho and a SE Idaho charts. Here's the one which contains Cinnabar http://www.n7viv.com/Frequency%20Charts/2mswid.html

Russ
N7SMA
----- Original Message -----
From: Paul Verhage
To: 'tvnsp@yahoogroups.com'
Sent: Thursday, March 22, 2001 10:32 AM
Subject: [tvnsp] Repeater Question

Does the 24 repeater have a positive or negative offset?

We'll have three additional chase crews from Montana, and need to give them
the comms frequency.

Paul

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175. RE: [tvnsp] Repeater Question

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-23 14:10:20 UTC
From: Paul Verhage
Topic: 168 Message: 175

Friday's meeting begins at 6:00. I'll arrive around 5:30 to unload and
order my pizza.

Paul

> -----Original Message-----
> From: John Knapp [mailto:jknapp@...]
> Sent: Thursday, March 22, 2001 7:33 PM
> To: tvnsp@yahoogroups.com
> Subject: RE: [tvnsp] Repeater Question
>
>
> When is the meeting Friday? 6 or 7pm?
>
> JohnK
>
> > -----Original Message-----
> > From: Paul Verhage [mailto:pverhage@...]
> > Sent: Thursday, March 22, 2001 10:32 AM
> > To: 'tvnsp@yahoogroups.com'
> > Subject: [tvnsp] Repeater Question
> >
> >
> > Does the 24 repeater have a positive or negative offset?
> >
> > We'll have three additional chase crews from Montana, and need to
> > give them
> > the comms frequency.
> >
> > Paul
> >
> >
> > To unsubscribe from this group, send an email to:
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176. Status 23 Mar

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-23 14:33:43 UTC
From: Paul Verhage
Topic: 176 Message: 176

I ran a few simulations this morning. If launched with today's winds, the balloon would travel 46 miles at a heading of 99 degrees. I also selected Seattle's current winds to get a feel of what we can expect tomorrow. That data along with Mark conner's analysis has the balloon traveling about the same distance, but at a heading of 80 degrees.

We'll launch from Murphy on Saturday morning at 6:30 am. I'll be there around 5:00 am to begin setting up. Filling will start at 5:30. The amount of cloudsshould pick up as the day progresses, but will proably be rasonably clear at launch. Therefore we will fly the IR camera along with the camcorder. The camcorder is programmed to begin recording at 60,000 feet, or during descent, which ever occurs first. IR pictures will be taken every 610 meters. The capsule will also ask that we call the pager every 10,000 feet.

We'll overfill the balloon and terminate the balloon closer to 70,000 feet. Plan on 3PPL (pounds positive lift) for the flight.

I'll run another simulation tonight after the meeting.

Paul

177. Status 23 Mar, pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-23 14:36:49 UTC
From: Paul Verhage
Topic: 177 Message: 177

By the way, the predicted landing site with a 70,000 burst if launched from Murphy with Seattle's winds is 12 miles NE of Mt. Home.

Paul

178. Re: Status 23 Mar

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-23 18:16:56 UTC
From: k7jps@arrl.net
Topic: 176 Message: 178

I ran the data this morning after the 3/23 12Z data was available, if launched today it would land at Lat 43.1613, and Long -115.7109 using that would put the ballon downtown Mt. Home.

Will using 3PPL significanly increase the accent rate, I seem to remember discusing 1.5 - 2PPL before? I'd like to know how this change will effect the accent rate.

John
K7JPS

--- In tvnsp@y..., Paul Verhage <pverhage@s...> wrote:
I ran a few simulations this morning. If launched with today's winds, the balloon would travel 46 miles at a heading of 99 degrees. I also selected Seattle's current winds to get a feel of what we can expect tomorrow. That data along with Mark conner's analysis has the balloon traveling about the same distance, but at a heading of 80 degrees.

We'll launch from Murphy on Saturday morning at 6:30 am. I'll be there around 5:00 am to begin setting up. Filling will start at 5:30.

The amount of cloudsshould pick up as the day progresses, but will proably be rasonably clear at launch. Therefore we will fly the IR camera along with the camcorder. The camcorder is programmed to begin recording at 60,000 feet, or during descent, which ever occurs first. IR pictures will be taken every 610 meters. The capsule will also ask that we call the pager every 10,000 feet.

We'll overfill the balloon and terminate the balloon closer to 70,000 feet. Plan on 3PPL (pounds positive lift) for the flight.

I'll run another simulation tonight after the meeting.

Paul

179. RE: [tvnsp] Re: Status 23 Mar

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-23 18:26:16 UTC
From: Paul Verhage
Topic: 176 Message: 179

Increasing PPL increases the ascent rate up to a certain point. Beyond that it only lowers the max altitude. So over all it reduces the flight time and brings the balloon down closer to the launch site.

Paul
> -----Original Message-----
> From: k7jps@... [mailto:k7jps@...]
> Sent: Friday, March 23, 2001 11:17 AM
> To: tvnsp@yahoogroups.com
> Subject: [tvnsp] Re: Status 23 Mar
>
>
> I ran the data this morning after the 3/23 12Z data was available, if
> launched today it would land at Lat 43.1613, and Long -115.7109 using
> that would put the ballon downtown Mt. Home.
>
> Will using 3PPL significanly increase the accent rate, I seem to
> remember discusing 1.5 - 2PPL before? I'd like to know how this
> change will effect the accent rate.
>
> John
> K7JPS
>
>
> --- In tvnsp@y..., Paul Verhage <pverhage@s...> wrote:
> I ran a few simulations this morning. If launched with
> today's winds,
> the balloon would travel 46 miles at a heading of 99 degrees. I also
> selected Seattle's current winds to get a feel of what we can expect
> tomorrow. That data along with Mark conner's analysis has
> the balloon
> traveling about the same distance, but at a heading of 80 degrees.
>
> We'll launch from Murphy on Saturday morning at 6:30 am. I'll be
> there around 5:00 am to begin setting up. Filling will start
> at 5:30.
>
> The amount of cloudsshould pick up as the day progresses, but will
> proably be rasonably clear at launch. Therefore we will fly the IR
> camera along with the camcorder. The camcorder is programmed
> to begin
> recording at 60,000 feet, or during descent, which ever occurs first.
> IR pictures will be taken every 610 meters. The capsule will
> also ask
> that we call the pager every 10,000 feet.

>
> We'll overfill the balloon and terminate the balloon closer to
> 70,000 feet. Plan on 3PPL (pounds positive lift) for the flight.
>
> I'll run another simulation tonight after the meeting.
>
> Paul
>
>
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> -------_->
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180. Re: [tvnsp] Status, 21 Mar

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-23 19:14:32 UTC
From: Randy Farley
Topic: 158 Message: 180

I plan on being there Paul
I will have a tracker for the event.
Discuss more possibilites at the meeting.

Paul Verhage wrote:

> This morning's winds would put the capsule down just west of Featherville,
> in the Boises. The predicted landing position is just a little farther
> north and a bit closer to the launch site. The MRF or Saturday shows the
> same kinds of winds aloft. Very weak near the surface with a easternly flow
> at 300 mb (about 30,000 feet). The wind speeds are also low at 300 mb. So
> it doesn't look like there will be much of a change between now and Saturday
> morning. In this case it looks like we'll launch from Murphy instead of
> Homedale. Just across the street from downtown Murphy is their
> international airport. We'll fill on the runway itself.
>
> On Friday we'll decide if we'll fly the IR camera or a beacon or a repeater.
> If I fly the repeater, you'll need a 440 radio to talk to it. The frequency
> will be 446.520 as I recall.
>
> The pager has been set up. It's number is 467-9820. we need to call it
> every 10,000 feet. When you call, we need to leave a number. The number
> will be the altitude in increments of 10,000 feet. So at 10,000 feet, when
> you call, leave 1111111. At 50,000 feet, it's 5555555. I'll program the
> capsule to remind us.
>
> I'll have room for three passengers. I need someone to operate their radio
> and my cell phone. I'll bring a doppler radio for tracking. My cell phone
> is set up with the numbers for the FAA and the pager. Who every rides
> shotgun needs to call the FAA and the pager for me.
>
> I've sent the check for APRS. Does anyone know when the Pony Express leaves
> Idaho? The letter is addressed to a California address. So if they can
> manage to keep their lights on, we should get a reply back shortly. Please
> pass the word.
>
> Also, we should proably send the word that the flight will take place this
> Saturday to all APRS users. If the repeater goes up, I want to advertise
> that also.
>
> Who plans to be at the meeting this Friday? Bring you tracking and comm
> equipment. We'll run a full up test. I'll also show you how to set up the
> capsule. we may also do some reprogramming on the capsule.
>
> Finally, we may have visitors from Bozeman, to watch the launch.

>
> Paul
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
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--
Regards,
Randy Farley
N7GPS -Ham Call-
My Home at: http://map.findu.com/n7gps
Find my pickup at: http://map.findu.com/n7gps-9
or Find my ATV at: http://map.findu.com/n7gps-7

181. Re: [tvnsp] Frequencies and Number

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-23 19:16:12 UTC
From: Randy Farley
Topic: 159 Message: 181

Paul Verhage wrote:

> The repeater frequency is 147.240. That's our chase frequency as long as
> we're in range.
>
> Simplex is 146.520
> APRS is 144.290

This should be 144.390 for APRS

>
>
> If we fly the repeater, it will be 446.520
>
> Please pass the word.
>
> Also, I can be reached at 631-7162.
>
> Paul
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
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--
Regards,
Randy Farley
N7GPS -Ham Call-
My Home at: http://map.findu.com/n7gps
Find my pickup at: http://map.findu.com/n7gps-9
or Find my ATV at: http://map.findu.com/n7gps-7

182. Callsign?

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-23 19:28:13 UTC
From: N4ZQ
Topic: 182 Message: 182

What's the callsign for the airborne APRS station? On 144.390 I ASSUME, as there seems to be some confusion about the correct frequency. And launch time in UTC please for those of use not close to it but will track via Find-U... N4ZQ

183. RE: [tvnsp] Callsign?

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-23 20:00:50 UTC
From: Paul Verhage
Topic: 182 Message: 183

It's KD4STH-11
The frequency is 144.390, it mistyped.

Launch time is at 6:30 MST. I'll have to find the current conversion.

Paul

> -----Original Message-----
> From: N4ZQ [mailto:n4zq@...]
> Sent: Friday, March 23, 2001 12:28 PM
> To: tvnsp@yahoogroups.com
> Subject: [tvnsp] Callsign?
>
>
> What's the callsign for the airborne APRS station? On 144.390 I
> ASSUME, as there seems to be some confusion about the correct
> frequency. And launch time in UTC please for those of use not close
> to it but will track via Find-U... N4ZQ
>
>
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184. Status 23 Mar, pt 3

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-24 04:36:55 UTC
From: Paul Verhage
Topic: 184 Message: 184

The winds right now put the capsule down 4 miles NE of Mt. Home, if the balloon bursts at 70,000 feet. The winds from Salem put the capsule down farther north and east, just north or Anderson Ranch Res. The MRF shows winds tending to the east, south east in the next 12 hours. The winds at Salem are predicted to be northeast. So it looks like we'll be going east, about 50 miles. We'll have partial clearing tonight and increasing clouds tomorrow afternoon.

So it looks good.

Paul

185. Tonight's data

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-24 04:39:55 UTC
From: John Knapp
Topic: 182 Message: 185

I calculated tonight's data, came up with a landing about six miles north of Mt. Home. The latitude and Long. is 43.2433 and -115.6371. Range of 46 miles,bearing of 87.3. Flight time of 97 minutes.

Anybody else do the calculations?

JohnK

186. Re: [tvnsp] Tonight's data

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-24 05:39:12 UTC
From: Jeff Melanson
Topic: 182 Message: 186

I have close to the same results.

Jeff Melanson
KD7INN

John Knapp wrote:

> I calculated tonight's data, came up with a landing about six miles north of
> Mt. Home. The latitude and Long. is 43.2433 and -115.6371. Range of 46
> miles,bearing of 87.3. Flight time of 97 minutes.
>
> Anybody else do the calculations?
>
> JohnK
>
>
> To unsubscribe from this group, send an email to:
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187. TVNSP flight airborne

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-24 14:14:33 UTC
From: Mark Conner
Topic: 187 Message: 187

Data coming in on APRServe - launch was about 1350Z. Callsign is KD4STH-11.
Looking good so far.

Also, EOSS is launching today at 1630Z with call W0WYX.

- Mark

Mark D. Conner
E-mail: mconner@... n9xtn@...
Homepage: http://members.home.net/mconner1
"Arrogance and stupidity, all in the same package.....how efficient
of you!" - Ambassador Londo Mollari, Babylon 5

188. TVNSP flight below I-gate coverage

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-24 15:53:12 UTC
From: Mark Conner
Topic: 188 Message: 188

It appears TVNSP went out of I-gate coverage at 1540Z. Max altitude was just under 70,000 ft about 20 miles ENE of Mountain Home, ID. Last location was 10 miles SW of Fairfield, ID at 27,000 ft. Prospective landing area does not appear to have a lot of roads and looks fairly rugged in places.

EOSS-48 has been delayed to about 1700Z this morning.

73 de Mark N9XTN

Mark D. Conner
E-mail: mconner@... n9xtn@...
Homepage: http://members.home.net/mconner1
"Arrogance and stupidity, all in the same package.....how efficient of you!" - Ambassador Londo Mollari, Babylon 5

189. Fw: [Balloon_Sked] EOSS-48 scrubbed

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-24 17:07:43 UTC
From: Mark Conner
Topic: 189 Message: 189

----- Original Message -----
From: "Rick von Glahn" <rickvg@...>
To: "Balloon_Sked" <Balloon_Sked@yahoogroups.com>; "Balloon_Track"
<Balloon_Track@yahoogroups.com>; "EOSS Yahoo" <EOSS@yahoogroups.com>;
"eosslist" <eoss@...>
Sent: Saturday, March 24, 2001 10:23
Subject: [Balloon_Sked] EOSS-48 scrubbed

> Due to dense overcast, the flight of EOSS-48 has been scrubbed. It has
been
> rescheduled for Sunday 3/25/01 (tomorrow) same time same channel. Flight
> announcement on the web page will be updated accordingly.
>
> In the Denver metro area, check the 147.225 MHz repeater at 8pm local for
the
> Tracking and Recovery net. Updates will be included on the net.
>
> 73 -- Rick, N?KKZ
>
>
>
> To unsubscribe from this group, send an email to:
> Balloon_Sked-unsubscribe@egroups.com
>
>
>
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>

190. TVNSP Flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-25 03:09:01 UTC
From: Paul Verhage
Topic: 190 Message: 190

I have a few choice words about the mountains in Idaho. We friggin' landed on one. We could only get a little under three miles from the balloon. We parked the cars at 5100 feet and had to walk a bit over four miles and 1200 feet higher to retrieve the capsule. It took three hours to get up there and another two hours to get down. We had data all the way down to landing. I haven't had a chance to look at the data yet, and proply won't until Sunday, when I should be in a better mood. Justin noticed some fogging on the camcorder. The battery was discharged by the time we got there, so I suspect we got video all the way down. The IR camera when spastic on us and began taking a series of pictures of the runway from an altitude of two feet. On Monday I'll have them developed. I'll also read the thermochron data on Sunday along with the APR data.

I want to thank the TVNSP crew for goin' to the mountain. The University of Montana students weren't spooked by the experience.

Man do my legs hurt.

Paul "Where's the hot tub" Verhage

191. RE: [tvnsp] TVNSP Flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-25 04:19:59 UTC
From: John Knapp
Topic: 190 Message: 191

Glad you made it home okay. I do believe we all have tired legs, even those of us that didn't make it to the top. It could have been worse. In a normal water year there would still have been several feet of snow on the valley floor. We would have needed snow mobiles to get to the capsules...

It was fun, enjoyed the trip, as always. We will have to do this again sometime, but next time land the stupid capsule on the flats..... :-)

I did the ballon trip calculation from this mornings data, the landing was at:

43.0384 Lat and -115.0093 Long
Bearing of 98.4 degrees and Range of 78.6 miles.
I used a ascent rate of 700 ft/min

Anyone else try it? Looked like it would land several to the west of where it acutally did and on the south side of the mountains we (you) climbed up.

John and Deb

> -----Original Message-----
> From: Paul Verhage [mailto:pverhage@...]
> Sent: Saturday, March 24, 2001 8:09 PM
> To: 'knsp@egroups.com'; 'tvnsp@egroups.com'
> Subject: [tvnsp] TVNSP Flight
>
>
> I have a few choice words about the mountains in Idaho. We
> friggin' landed
> on one. We could only get a little under three miles from the
> balloon. We
> parked the cars at 5100 feet and had to walk a bit over four
> miles and 1200
> feet higher to retrieve the capsule. It took three hours to get up there
> and another two hours to get down. We had data all the way down
> to landing.
> I haven't had a chance to look at the data yet, and proply won't until
> Sunday, when I should be in a better mood. Justin noticed some fogging on
> the camcorder. The battery was discharged by the time we got there, so I
> suspect we got video all the way down. The IR camera when
> spastic on us and
> began taking a series of pictures of the runway from an altitude of two
> feet. On Monday I'll have them developed. I'll also read the thermochron
> data on Sunday along with the APR data.
>
> I want to thank the TVNSP crew for goin' to the mountain. The

> University of
> Montana students weren't spooked by the experience.
>
> Man do my legs hurt.
>
> Paul "Where's the hot tub" Verhage
>
>
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>
>

192. (no subject)

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-24 05:30:13 UTC
From: Justin Formolo
Topic: 192 Message: 192

I was just browsing through the Eta and MRF forecasts on Unisys and it appears, to me, that the winds will be going E-SE, being non existent at the surface and a bit faster higher up. Are these observations correct and does this hold true for the prediction?

Justin

193. Re: [tvnsp] TVNSP Flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-25 15:30:26 UTC
From: Doug Rich
Topic: 190 Message: 193

More fun in Idaho!! What was the official landing Lon./Lat.? I want to look it up on the maps.

Thanks Doug

At 08:09 PM 3/24/01 -0700, you wrote:
>I have a few choice words about the mountains in Idaho. We friggin' landed
>on one. We could only get a little under three miles from the balloon. We
>parked the cars at 5100 feet and had to walk a bit over four miles and 1200
>feet higher to retrieve the capsule. It took three hours to get up there
>and another two hours to get down. We had data all the way down to landing.
>I haven't had a chance to look at the data yet, and proply won't until
>Sunday, when I should be in a better mood. Justin noticed some fogging on
>the camcorder. The battery was discharged by the time we got there, so I
>suspect we got video all the way down. The IR camera when spastic on us and
>began taking a series of pictures of the runway from an altitude of two
>feet. On Monday I'll have them developed. I'll also read the thermochron
>data on Sunday along with the APR data.
>
>I want to thank the TVNSP crew for goin' to the mountain. The University of
>Montana students weren't spooked by the experience.
>
>Man do my legs hurt.
>
>Paul "Where's the hot tub" Verhage
>
>
>To unsubscribe from this group, send an email to:
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>
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194. Re: [tvnsp] TVNSP flight below I-gate coverage

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-25 15:50:23 UTC
From: Randy Farley
Topic: 188 Message: 194

Mark

Just a quick reply here:

I will let Paul fill everyone in on the specifics.
Mark i did message from you via our local i-gate at launc pad.
Too busy to reply there. The landing lat/lon from my tracker was
43.2176667/114857666. Rugged country but accessable by foot. Minimum snow
luckily.
Thank for watching. A further synopsis will follow from Paul, i am sure.
What a great hobby. We should'nt be allowed to have so much fun!

Mark Conner wrote:

> It appears TVNSP went out of I-gate coverage at 1540Z. Max altitude was
> just under 70,000 ft about 20 miles ENE of Mountain Home, ID. Last location
> was 10 miles SW of Fairfield, ID at 27,000 ft. Prospective landing area
> does not appear to have a lot of roads and looks fairly rugged in places.
>
> EOSS-48 has been delayed to about 1700Z this morning.
>
> 73 de Mark N9XTN
>
> ------
> Mark D. Conner
> E-mail: mconner@... n9xtn@...
> Homepage: http://members.home.net/mconner1
> "Arrogance and stupidity, all in the same package.....how efficient
> of you!" - Ambassador Londo Mollari, Babylon 5
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

--
Regards,
Randy Farley
N7GPS -Ham Call-
My Home at: http://map.findu.com/n7gps
Find my pickup at: http://map.findu.com/n7gps-9
or Find my ATV at: http://map.findu.com/n7gps-7

195. Re: [tvnsp] TVNSP Flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-25 16:05:36 UTC
From: Mike Garske
Topic: 190 Message: 195

Paul, being from the flatlands of the midwest, have you ever seen mountains as big as the one in Idaho other than in pictures??? HA HA HA! Can't wait to see all the data and pics from the balloon. I wish I could have experienced it firsthand.

Hope to help out on the launch in August, I have the time off and I am looking forward to it!

Mike KC7DPD

----- Original Message -----
From: "Paul Verhage" <pverhage@...>
To: <knsp@egroups.com>; "'tvnsp@egroups.com'" <tvnsp@yahoogroups.com>
Sent: Saturday, March 24, 2001 8:09 PM
Subject: [tvnsp] TVNSP Flight

> I have a few choice words about the mountains in Idaho. We friggin' landed
> on one. We could only get a little under three miles from the balloon. We
> parked the cars at 5100 feet and had to walk a bit over four miles and 1200
> feet higher to retrieve the capsule. It took three hours to get up there
> and another two hours to get down. We had data all the way down to landing.
> I haven't had a chance to look at the data yet, and proply won't until
> Sunday, when I should be in a better mood. Justin noticed some fogging on
> the camcorder. The battery was discharged by the time we got there, so I
> suspect we got video all the way down. The IR camera when spastic on us and
> began taking a series of pictures of the runway from an altitude of two
> feet. On Monday I'll have them developed. I'll also read the thermochron
> data on Sunday along with the APR data.
>
> I want to thank the TVNSP crew for goin' to the mountain. The University of
> Montana students weren't spooked by the experience.
>
> Man do my legs hurt.
>
> Paul "Where's the hot tub" Verhage
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>

>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
>

196. Re: [tvnsp] TVNSP Flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-25 16:26:18 UTC
From: Jeff Melanson
Topic: 190 Message: 196

Doug,

The last report I had on APRS was at 7689 ft. The lat was 43.216383 lon -114.85706. The landing site elevation was about 6300 ft. Paul will be reviewing the data today.
Who put that mountain there anyway? It was a difficult climb. The terrain was rough, the patches of snow was sometimes knee deep (burr!!), some places were rocky, some places thick with brush, lot's of slippery sticky mud, and a few ticks that hitched a ride.
Paul, that bug that was on your sleeve at the restaurant was a tick. I had one in my truck also. Everyone that was on that mountain should check for ticks.

Doug Rich wrote:

> More fun in Idaho!! What was the official landing Lon./Lat.? I want to
> look it up on the maps.
>
> Thanks Doug
>

197. RE: [tvnsp]

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-25 22:48:59 UTC
From: Paul Verhage
Topic: 197 Message: 197

I was just browsing through the Eta and MRF forecasts on Unisys and it appears, to me, that the winds will be going E-SE, being non existent at the surface and a bit faster higher up. Are these observations correct and does this hold true for the prediction?

We went almost straight east. I'll get a map of the flight later today and will take a closer look.

Paul

198. Tick Check

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-25 22:56:54 UTC
From: Paul Verhage
Topic: 198 Message: 198

> and a few
> ticks that hitched a ride.
> Paul, that bug that was on your sleeve at the restaurant
> was a tick. I had
> one in my truck also. Everyone that was on that mountain
> should check for ticks.

Agreed. I found one once I got home.

Paul

199. RE: [tvnsp] TVNSP Flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-25 22:55:37 UTC
From: Paul Verhage
Topic: 190 Message: 199

> Paul, being from the flatlands of the midwest, have you ever
> seen mountains
> as big as the one in Idaho other than in pictures???

When I lived in California sometimes I could see the Serria Nevadas. But they were comfortably far away.

> Can't wait to
> see all the data and pics from the balloon. I wish I could
> have experienced
> it firsthand.

We'll have a meeting this Saturday to share pics and stories. It will be at the usual Idaho Pizza Co.

> Hope to help out on the launch in August, I have the time off and I am
> looking forward to it!

We're always looking for help. Hope to see you in August. Remember, we do have a flight for 28 April.

Paul

200. FW: [aprssig] APRS and Telemetry

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-25 23:01:32 UTC
From: Paul Verhage
Topic: 200 Message: 200

Just found this. We had some problems with this on our flight.

Paul

> -----Original Message-----
> From: Keith Sproul [mailto:ksproul@...]
> Sent: Sunday, March 25, 2001 1:45 PM
> To: TAPR APRS Special Interest Group
> Cc: dbeck@...
> Subject: [aprssig] APRS and Telemetry
>
>
> Is anyone using Telemetry data with APRS?
>
> It was pointed out to me recently that this was not working in
> WinAPRS. I have found that and fixed it. This will be in the next
> release..
>
> Dave Beck, WB0RAG, is doing some neat stuff with Telemetry and I am
> working on the display features to enhance what he is doing.
>
> I would like to get input from anyone that is (or has in the past)
> used the Telemetry data with any of the versions of APRS.. I would
> also like to get some actual log files of telemetry data.. (the
> bigger the better)
>
> Please do NOT send log files to the SIG, but send them to me directly.
>
>
> Keith Sproul, WU2Z
>
>
> --
> Keith Sproul Ham Radio WU2Z
> ksproul@... 732 821-4828
>
> ---
> You are currently subscribed to aprssig as: pverhage@...
> To unsubscribe send a blank email to
> leave-aprssig-22465M@...
> Questions regarding the SIG go to the SIG administrator:
> wa1lou@...
>

201. Landing Site

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-26 06:05:05 UTC
From: k7jps@arrl.net
Topic: 201 Message: 201

Just got back from Givens Hot Springs, man do I feel a lot better then I did this time yesterday!!

My GPS recorded a lat/long of 43.21772/-114.85778 at 8:41 MST (15:41Z) from the balloon, this was the last change in position that it received. Launch Time was at 6:45 MST (13:45Z) so the flight duration was 116 minutes.

I marked our recovery position as well on my GPS. It was at lat/long of 43.21772/-114.85778 - yes that is the same lat/long, at an altitude of 6306'. I marked the recovery position at 12:34 MST (19:34Z). Paul was ahead of me by 2 or 3 of minutes, he seemed very ecstatic when he heard the beacon!

I am in the process of setting up waypoints on our overland track and should have a pretty good estimate of how far we had to hike to recover the balloon soon. I do know that we had an elevation gain of 1221'. I'd like to thank Randy for the connector cable he let me borrow for my Garmin GPS. Since my wife just gave me the GPS last Wednesday, this sure was a good way to break it and me in (in more ways then one.) My own connector won't be able to get here soon enough.

Now that I've had some time to play with my new toy, I have figured out how to reset the trip meter without wiping out all of the track data. Next time it will be easier to figure out how far we hike, but I wish I could download my track to a PC and let it do the calculations.

John "no longer a rookie" Stone
K7JPS

202. Re: [tvnsp] Landing Site

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-26 08:50:19 UTC
From: Justin Formolo
Topic: 201 Message: 202

Lets hope we don't have to be in a situation to hike again! At least not to the top of a mountain!

Justin "bruised, scraped, & sunburned" Formolo

----- Original Message -----
From: <k7jps@...>
To: <tvnsp@yahoogroups.com>
Sent: Sunday, March 25, 2001 10:05 PM
Subject: [tvnsp] Landing Site

> Just got back from Givens Hot Springs, man do I feel a lot better then
> I did this time yesterday!!
>
> My GPS recorded a lat/long of 43.21772/-114.85778 at 8:41 MST (15:41Z)
> from the balloon, this was the last change in position that it
> received. Launch Time was at 6:45 MST (13:45Z) so the flight duration
> was 116 minutes.
>
> I marked our recovery position as well on my GPS. It was at lat/long
> of 43.21772/-114.85778 - yes that is the same lat/long, at an altitude
> of 6306'. I marked the recovery position at 12:34 MST (19:34Z). Paul
> was ahead of me by 2 or 3 of minutes, he seemed very ecstatic when he
> heard the beacon!
>
> I am in the process of setting up waypoints on our overland track and
> should have a pretty good estimate of how far we had to hike to
> recover the balloon soon. I do know that we had an elevation gain of
> 1221'. I'd like to thank Randy for the connector cable he let me
> borrow for my Garmin GPS. Since my wife just gave me the GPS last
> Wednesday, this sure was a good way to break it and me in (in more
> ways then one.) My own connector won't be able to get here soon
> enough.
>
> Now that I've had some time to play with my new toy, I have figured
> out how to reset the trip meter without wiping out all of the track
> data. Next time it will be easier to figure out how far we hike, but
> I wish I could download my track to a PC and let it do the
> calculations.
>
> John "no longer a rookie" Stone
> K7JPS
>
>
>
>

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>
>

203. Waypoint+ software

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-26 09:59:33 UTC
From: Conner, Mark
Topic: 203 Message: 203

If you'd like to upload/download data from a Garmin, check out
http://www.tapr.org/~kh2z/Waypoint/

You can download your track data and see it within Street Atlas USA.
Really works well. I think you can then use SA USA to compute the
length of the track.

You can also manage waypoints, routes, and other functions with this
software.

73 de Mark N9XTN

204. APRS format specification

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-26 10:12:42 UTC
From: Conner, Mark
Topic: 204 Message: 204

ftp://ftp.tapr.org/aprssig/aprsspec/spec/aprs101/APRS101.pdf

Lots of good info in here for creating APRS-compliant data. I've used it a lot for figuring out how to format telemetry data, messages/bulletins, and putting time/lat/lon/altitude data all into one packet.

For example, in my code I now send out a message to my car's APRS setup and a bulletin whenever I lose GPS data or when burst is detected. That way you don't have to watch the raw data going by to see if it's burst.

It does require more processing by the Basic Stamp to make a packet with time/lat/lon/alt all in one. However, it does make it easier to analyze the logs since you have all the necessary data in one line. I have some Basic Stamp 2 routines that will parse the GPRMC/GPGGA strings and will format an APRS location packet.

The telemetry format is somewhat limited since you can only have values from 0-255.

73 de Mark N9XTN

205. TVNSP flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-26 12:50:52 UTC
From: Bill All
Topic: 205 Message: 205

Congratulations on your successful flight and recovery.

>Paul was ahead of me by 2 or 3 of minutes, he seemed very ecstatic when he
> heard the beacon!
As I recall he gets that way. I think we all do.
Bill

--

Bill All N3KKM
Near Space Balloon Group http://www.kcnet.com/~n3kkm/nearspace.html
email: n3kkm@...
---

206. Flight Report

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-26 20:57:56 UTC
From: Paul Verhage
Topic: 206 Message: 206

Here's what I have so far.

The camcorder did not record, but the battery is discharged. There is no message that the camcorder was instructed to begin recording, but by looking at the GPS times, it looks like the command was issued. I'm taking the camcorder in today to have it looked at.

The stamp stretcher on the capsule is defective. This prevented the status data from being taken and made the IR camera act up. I'll talk to Scott Edward abouyt getting its PIC replaced.

The experiment data looks good. It looks like the bottles did not hold their pressure. more on that after i finish the spread sheet.

The iButton data looks alike. I suspect the reader didn't update the diskette properly, so I'll reread the data. John, I'll need the serial numbers of the iButtons and their locations.

We need to bring an extra handheld GPS with us when recovering the balloon. We should also bring water and munchies, in case it takes longer than we think.

We have a meeting scheduled for this Saturday to discuss the flight. Please let me know if you have an extra set of pictures. I'll buy a set from everyone.

Our next flight is 28 April, in conjunction with the Hamfest and the Boise Astronomical Society (Astronomy Day). We need tracking stations set up at the hamfest and DCI.

I'd like to set up a table at the mall on the 21st, to advertise the launch. would anyone like to help me out?

I'm thinking about reflying this manifest in the middle of May.

Paul

207. Re: Flight Report

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-29 02:30:06 UTC
From: k7jps@arrl.net
Topic: 206 Message: 207

> The iButton data looks alike. I suspect the reader didn't update
> the diskette properly, so I'll reread the data. John, I'll need the
> serial numbers of the iButtons and their locations.

I knew that there was something I was forgetting to post. Here are
the Thermochron serial numbers and locations:

Serial # Start Time Location
...12362 6:11 Outside Command Module
...10ED7 6:13 Inside Experiment Module
...1216D 6:16 Inside Command Module

John Stone
K7JPS

208. RE: [KNSP] Question -- Info Needed on Moon Landing.

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-29 19:50:42 UTC
From: Paul Verhage
Topic: 208 Message: 208

Check out the Bad Astronomy website by Phil Plaitt.

Paul

> -----Original Message-----
> From: gifford@... [mailto:gifford@...]
> Sent: None
> To: KNSP@yahoogroups.com
> Subject: [KNSP] Question -- Info Needed on Moon Landing.
>
>
> Hello to all,
>
> I am going to address a class in week about the History (maybe it was
> Discovery) Channel feature that suggests that we did not
> land on the Moon.
>
> One of the things I am looking for was one of the camera
> videos shot looking
> down the side of a rocket being launched into space. The
> particular footage
> shows the expanded plume at extreme altitudes.
>
> If anyone has anything else to send along debunking this
> myth, please let me
> know.
>
> Thanks,
> Nathan
> Gifford
>
>
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> Group URL: http://groups.yahoo.com/group/KNSP
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http://docs.yahoo.com/info/terms/

209. RE: [KNSP] Question -- Info Needed on Moon Landing.

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-29 19:52:24 UTC
From: Paul Verhage
Topic: 208 Message: 209

You know, we have some photographs taken at 80,000 + feet. The skies are black but still no stars can be seen. Check out the knsp website at www.ksu.edu/humec/knsp > -----Original Message----- > From: gifford@... [mailto:gifford@...] > Sent: None > To: Jerry Chamberlin > Cc: KNSP@yahoogroups.com > Subject: Re: [KNSP] Question -- Info Needed on Moon Landing. > > > Yeah, I know, but these are 7th & 8th graders and we going to > use it to teach a > little 'critical thinking' skills. > > > > > The Myth is a Myth. > > > > The Myth theory is being presented because our astronauts > when looking into > the > > Dark Side of the Moon, saw the Nazi Outpost thriving ;) > > > > On Wed, 28 Mar 101 gifford@... wrote: > > > > > Hello to all, > > > > > > I am going to address a class in week about the History > (maybe it was > > > Discovery) Channel feature that suggests that we did not > land on the > > > Moon. > > > > > > One of the things I am looking for was one of the camera > videos shot > > > looking > > > down the side of a rocket being launched into space. The > particular > > > footage > > > shows the expanded plume at extreme altitudes. > > > > > > If anyone has anything else to send along debunking this > myth, please let > > > me > > > know. > > > > > > Thanks, > > > Nathan > > > Gifford > > > > > > > > > > > > > > > > > > Yahoo! Groups Sponsor > > > www.debticated.com > > > width > > > To unsubscribe from this group, send an email to: > > > KNSP-unsubscribe@yahoogroups.com > > > > > List owner: KNSP-owner@yahoogroups.com > > > Group URL: href="http://groups.yahoo.com/group/KNSP">http://groups.yahoo. > com/group/KNSP > > > > > > > > > Your use of Yahoo! Groups is subject to the Yahoo! Terms > of Service. > > > > > > > > The Net Lab year 2000 and beyond Internet Education is Science > > http://www.netlab.org > > WA0JRJ - Jerry > > used to be ICQ 6408731 > > used to be AIM PappyJerry > > > > > > > > ---------- Yahoo! Groups Sponsor > ----------~~> > Make good on the promise you made at graduation to keep > in touch. Classmates.com has over 14 million registered > high school alumni--chances are you'll find your friends! > http://us.click.yahoo.com/03IJGA/DMUCAA/4ihDAA/EeOVlB/TM > ---------- > -------_-> > > To unsubscribe from this group, send an email to: > KNSP-unsubscribe@yahoogroups.com > > List owner: KNSP-owner@yahoogroups.com > Group URL: http://groups.yahoo.com/group/KNSP > > > Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

210. Video

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-30 13:28:51 UTC
From: Jeff Melanson
Topic: 210 Message: 210

Paul,

There are a couple of new guys that will be coming to the meeting that would like to see the video from prevous flights. Can you bring the video tapes?

Jeff Melanson
KD7INN

211. Reminder

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-30 15:50:29 UTC
From: Paul Verhage
Topic: 211 Message: 211

Don't forget, we have a meeting this Saturday (31 Mar) at 6:00. Bring your pictures and stories. I'll have copies of the data taken from the flight.

The meeting is at the same location.

Paul

212. RE: [tvnsp] Video

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-03-30 16:05:58 UTC
From: Paul Verhage
Topic: 210 Message: 212

I'll bring some.

Paul

> -----Original Message-----
> From: Jeff Melanson [mailto:kd7inn@...]
> Sent: Friday, March 30, 2001 6:29 AM
> To: tvnsp@yahoogroups.com
> Subject: [tvnsp] Video
>
>
> Paul,
>
> There are a couple of new guys that will be coming to the
> meeting that
> would like to see the video from prevous flights. Can you
> bring the video
> tapes?
>
> Jeff Melanson
> KD7INN
>
>
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>
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> tvnsp-unsubscribe@egroups.com
>
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213. Status, 1 Apr

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-01 20:07:43 UTC
From: Paul Verhage
Topic: 213 Message: 213

Here's what we discussed at last night's meeting.

The next launch is 28 Apr. We'll have a meeting on the 21st at the Discovery Center (DCI). we want to bring some equipment and do a test set up. Afterwards we'll eat dinner at the Galaxy Dinner.

On the 21st is a Boy Scout event and (I hope) a table at the Mall. We'll need help on both these events. John, do you want to add anything regarding the Boy Scouts?

I'll set up a table at the mall to inform people of the launch.

The following meeting will take place on Friday the 27th. This meeting will also take place at DCI. This meeting will set up equipment. Doug, will you still run Mission Control for us?

I'm looking for CDs of webpages for the April flight. The CD ROMs will go up on the balloon capsule.

Is there an interest in ball caps for TVNSP? Or possbily patches? If there's an interest, I'll look into costs.

Also we discussed magnetic signs for chase cars. Is anyone else interested in getting a sign for their car? Again, if there is, I'll look into costs.

I'm also looking for donations for helium. If you or your club would be interested in helping to pay for helium, let me know.

We'll try to refly our last flight in the middle of May.

We have money from the Idaho Space Grant Consortium to launch the August flight.

Paul

214. APRS-HSP Cable

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-02 00:10:12 UTC
From: Jeff Melanson
Topic: 214 Message: 214

My computer has one com port. The Kantronics manual (KPC3+) says
that to hook up a GPS and a computer at the same time I need an APRS-HSP
cable. They sell it for $32.95 plus $10 Shipping. Does anyone have a
print for the cable? or a web site with hookup info?

Jeff Melanson
KD7INN

215. APRS-HSP Cable

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-02 00:04:52 UTC
From: Jeff Melanson
Topic: 214 Message: 215

My computer has one com port. The Kantronics manual (KPC3+) says
that to hook up a GPS and a computer at the same time I need an APRS-HSP
cable. They sell it for $32.95 plus $10 Shipping. Does anyone have a
print for the cable? or a website with hookup info?

Jeff Melanson
KD7INN

216. Re: [tvnsp] APRS-HSP Cable

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-02 01:22:20 UTC
From: ke4slc
Topic: 214 Message: 216

Here are 2 url's for the HSP Cable.

http://www.fiberpipe.net/~tateb/hsp.html

http://www.nwaprs.org/hsp.htm

73 de Dan
----- Original Message -----
From: Jeff Melanson
To: tvnsp@yahoogroups.com
Sent: Sunday, April 01, 2001 7:10 PM
Subject: [tvnsp] APRS-HSP Cable

My computer has one com port. The Kantronics manual (KPC3+) says
that to hook up a GPS and a computer at the same time I need an APRS-HSP
cable. They sell it for $32.95 plus $10 Shipping. Does anyone have a
print for the cable? or a web site with hookup info?

Jeff Melanson
KD7INN

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217. Glider Fox Hunt

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-02 19:50:20 UTC
From: Paul Verhage
Topic: 217 Message: 217

One other item discussed at Saturday's meeting is for a fox hunt of a glider dropped by a balloon. The hope is in the fall to launch a balloon with a four foot glider. The glider will carry an HT (DJ-S11?) and a beacon controller. We'll carry the glider up to 50,000 feet and release it. Anyone can fox hunt the glider. the first person to find it gets the HT and glider (I'll need the beacon controller back for next year).

If we do this, I'll be looking for donations for the HT.

Is there any interest in doing this?

Paul

218. Ordering APRS

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-03 13:12:24 UTC
From: Paul Verhage
Topic: 218 Message: 218

I got a phone message about the copies of APRS I ordered. I need everyone's callsigns. I'll email those to Brent as they come in. Anyhow, he's ready to fill the order once he has callsigns.

Paul

219. John Stone's Callsign

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-03 13:22:26 UTC
From: Paul Verhage
Topic: 219 Message: 219

I've found everyone's callsign now, except for John Stone. I need your's for the APRS order.

Paul

220. Getting the correct lift w/o a scale

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-03 20:42:48 UTC
From: Mark Conner
Topic: 220 Message: 220

Hi all,

One of the main problems I've noticed with amateur radio balloon flights is getting the proper amount of helium into the balloon. The common way to do this is to use something like a fish scale to determine the amount of free lift available, but this doesn't always work. The main problem with this method is getting a good reading. Either the fill apparatus is weighing down on the balloon, and/or the wind is buffeting it.

With a grand total of two flights under my belt, I suggest an alternate method.

A standard "T" tank of helium has 291 cu ft when filled to a pressure of 2640 psi (at 70F). Most places do a 10% overfill, but that's not critical here. The main thing is that you can use the cubic foot to psi relationship as a pretty fair guess - perhaps to more accuracy than using a fish scale in the wind.

You can use the LiftWin program available at http://www.geocities.com/CapeCanaveral/3161/liftwin.htm to determine how much helium you need to put in your balloon to lift the payload at the desired ascent rate. However, you don't have a means to measure how many cubic feet have been taken out of the tank, but if you're using a regulator you do have a tank pressure gauge. So you basically need to figure out how many "psi" to put in the balloon.

Let's say that LiftWin calculates that you need 250 cu ft for your flight. So, to compute how many "psi" that translates to:

250 * (2640 / 291) = 2268 psi

So you need to run your tank down by 2268 psi to get the 250 cu ft of helium out. If you tank reads 2640 psi at the start, you need to run it down to 372 psi. You can split this psi difference across two tanks if you have partially filled ones.

This assumes no leakage of helium, and that temperature effects are not significant. This may not be true. Figuring that it's always better to go up too fast than too slow (or not at all), I put some extra in above what the figures give me - maybe an extra 100 or 200 psi.

I had good results with this on the previous two launches, coming pretty close to my desired 1000 ft/min - one was 890 ft/min and the other was 1043 ft/min.

A separate topic for those on the KNSP list - the Treasure Valley Near Space Project page is at http://www.the-one.com/tvnsp/ .

73 de Mark N9XTN

Mark D. Conner
E-mail: mconner@... n9xtn@...
Homepage: http://members.home.net/mconner1
"Arrogance and stupidity, all in the same package.....how efficient of you!" - Ambassador Londo Mollari, Babylon 5

221. RE: [tvnsp] Getting the correct lift w/o a scale

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-03 21:02:05 UTC
From: Paul Verhage
Topic: 220 Message: 221

Does elevation of the balloon during filling make a difference?

When the air pressure is lower, you need a greater volume of helium to displace enough atmosphere to get your desired lift. However the steel tank is not effected by atmospheric pressure. I assume they fill the tanks to roughly same pressure. If so, then elevation of the balloon shouldn't matter. After dumping a fixed amount of pressure, the lift of the balloon should be the same, but the balloon's volume will be greater if filled in the mountains as opposed to being filled in the plains.

It seems to me this method should work, regardless of atmospheric pressure because the pressure inside of the tank is independent of outside atmospheric pressure.

The temperature of the tank will have an influence. To determine the effects of temperature, you must use an absolute scale, like Kelvins or Rankin (which start at absolute zero). A cold day may have a temperature of 273 kelvins, a hot day may have a temperature of 298 kelvins. The change in pressure is then 298/273, or 1.09. The greatest amount of change should be on the order of 9%. And remember, that's between freezing and a temperature in the 80's.

Paul

222. Re: [tvnsp] APRS-HSP Cable

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-03 22:54:19 UTC
From: Randy Farley
Topic: 214 Message: 222

Jeff

You will not need a HSP cable for your TNC. That is the nice thing about the KPC-3+. You hook up your GPS and radio to the DB9 port. The TNC will key the radio automatically with the lat/lon from the GPS and any other beacons you pre-program into the TNC. The Db25 port is used when you run your laptop.

I will send you the wiring pin-outs if you need them. Also you can run 12 V power to your gps from the DB9 connector with a change of two jumpers inside the tnc.

Jeff Melanson wrote:

> My computer has one com port. The Kantronics manual (KPC3+) says
> that to hook up a GPS and a computer at the same time I need an APRS-HSP
> cable. They sell it for $32.95 plus $10 Shipping. Does anyone have a
> print for the cable? or a web site with hookup info?
>
> Jeff Melanson
> KD7INN
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

--
Regards,
Randy Farley
N7GPS -Ham Call-
My Home at: http://map.findu.com/n7gps
Find my pickup at: http://map.findu.com/n7gps-9
or Find my ATV at: http://map.findu.com/n7gps-7

223. Re: [tvnsp] Glider Fox Hunt

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-03 23:18:11 UTC
From: Randy Farley
Topic: 217 Message: 223

I like the idea Paul

I assume the normal chase teams will pursue the balloon while the fox hunters will go for the plane?

I think it would generate more interest in fox hunting and or balloonery (i guess that is a word) <;) I think everyone would like a radio for a reward.

It would be nice if we could set the glider in a spiraling pattern so it does not take too long of a flight in distance. I guess that should not bother a real fox hunter. Just a thought. Any other concerns out there?

I will be glad to donate a small sum for the radio.

Paul Verhage wrote:

> One other item discussed at Saturday's meeting is for a fox hunt of a glider
> dropped by a balloon. The hope is in the fall to launch a balloon with a
> four foot glider. The glider will carry an HT (DJ-S11?) and a beacon
> controller. We'll carry the glider up to 50,000 feet and release it.
> Anyone can fox hunt the glider. the first person to find it gets the HT and
> glider (I'll need the beacon controller back for next year).
>
> If we do this, I'll be looking for donations for the HT.
>
> Is there any interest in doing this?
>
> Paul
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

--
Regards,
Randy Farley
N7GPS -Ham Call-
My Home at: http://map.findu.com/n7gps
Find my pickup at: http://map.findu.com/n7gps-9
or Find my ATV at: http://map.findu.com/n7gps-7

224. Re: [KNSP] Getting the correct lift w/o a scale

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-04 08:16:23 UTC
From: Conner, Mark
Topic: 224 Message: 224

>
> How about (assuming that you want a positive lift of 2 pounds)
> hanging a 2# weight on the bottom of the payload and fill
> until it balances (wind permitting)? :-)
>
> Well, 2# minus the positive-latching-but-quick-release
> mechanism... :-)
>

A variation of this has been tried, where a weight containing the desired total free lift is attached to the balloon and filling until it lifts the weight. The problem is accounting for the fill device, which is attached to the tank and has to be held up. Plus the wind causes a lot of jerking due to turbulence, making it difficult to see when it's really lifting the weight.

Normally the payload is not attached to the balloon until after filling. Plus the top-to-bottom length of the payload is 20 ft or more, making it hard to fill the balloon with the payload suspended.

Pete Sias uses a balance that helps to account for the fill mechanism weight. He has a large indoor shed w/concrete floor for filling, so wind doesn't bother him.

Bill Byrne brought up a point in a separate e-mail saying that expansion of the gas from the cylinder cools it. Paul made a similar point that the gas temperature must be taken into account. This is true, and using the formula for isentropic expansion yields a gas temperature of 34K when going from 3000 psi (tank) to 15 psi (atmosphere). I don't think the gas in the balloon is 34K, so heat is getting into the system (no longer isentropic). I think the free atmosphere heats the helium to near ambient temperature during the fill process. It would be interesting to measure the temperature of the helium near where it's vented into the balloon just to see what that temperature is.

BTW the formula is (T2/T1) = (P2/P1)^(R/Cp) R/Cp=0.4 for He

The method I outlined isn't perfect because it's too simplistic. However, it can be used as a cross-check for other methods, or (I think) an acceptable substitute when using scales or weights doesn't work due to wind or other factors.

- Mark

225. RE: [tvnsp] Glider Fox Hunt

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-04 13:00:25 UTC
From: Paul Verhage
Topic: 217 Message: 225

> I assume the normal chase teams will pursue the balloon while
> the fox hunters
> will go for the plane?

That's right. After recovery of both the balloon and the glider, we'd all join up some place for lunch or a barbeque.

> It would be nice if we could set the glider in a spiraling
> pattern so it does
> not take too long of a flight in distance. I guess that
> should not bother a real
> fox hunter. Just a thought. Any other concerns out there?

We could bend the rudder and ailerons. That will put it into a banked turn.

Paul

226. John Stone's Callsign

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-04 19:59:44 UTC
From: Paul Verhage
Topic: 219 Message: 226

I need to get John Stone's callsign. I tried checking the database at the ARRL but nothing was found. If anyone, including John, can send me his callsign, I'd appreciate it.

I got the registration numbers for APRS for everyone but John. I'll drop them into the mail today.

Paul

227. Re: [tvnsp] John Stone's Callsign

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-04 23:06:03 UTC
From: Jeff Melanson
Topic: 219 Message: 227

Hi Paul,

I did a search on John Stone's name at http://www.qrz.com and came up with a John Stone in Caldwell, Idaho. His call sign is K7JPS. I recognize that call sign from the balloon chase so I'm sure it's correct.

Jeff Melanson
KD7INN

Paul Verhage wrote:

> I need to get John Stone's callsign. I tried checking the database at the
> ARRL but nothing was found. If anyone, including John, can send me his
> callsign, I'd appreciate it.
>
> I got the registration numbers for APRS for everyone but John. I'll drop
> them into the mail today.
>
> Paul
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

228. Re: [tvnsp] APRS-HSP Cable

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-04 23:14:34 UTC
From: Jeff Melanson
Topic: 214 Message: 228

Hi Randy,

The Kantronics manual shows how to hook up the GPS and laptop with an
APRS-HSP cable. I cannot find how to hook it up to the DB9 port. Please send me
the wiring pin-outs.
The Gamin etrex Legend is on sale at http://www.gpsdiscount.com for $206
plus shipping. I've been comparing prices and models and this one seems like a
good deal. It comes with a PC interface cable. Opinions anyone?

Randy Farley wrote:

> Jeff
>
> You will not need a HSP cable for your TNC. That is the nice thing about the
> KPC-3+. You hook up your GPS and radio to the DB9 port. The TNC will key the
> radio automatically with the lat/lon from the GPS and any other beacons you
> pre-program into the TNC. The Db25 port is used when you run your laptop.
>
> I will send you the wiring pin-outs if you need them. Also you can run 12 V
> power to your gps from the DB9 connector with a change of two jumpers inside
> the tnc.
>
> Jeff Melanson wrote:
>
> > My computer has one com port. The Kantronics manual (KPC3+) says
> > that to hook up a GPS and a computer at the same time I need an APRS-HSP
> > cable. They sell it for $32.95 plus $10 Shipping. Does anyone have a
> > print for the cable? or a web site with hookup info?
> >
> > Jeff Melanson
> > KD7INN
> >
> >
> > To unsubscribe from this group, send an email to:
> > tvnsp-unsubscribe@egroups.com
> >
> >
> >
> > Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
> --
> Regards,
> Randy Farley
> N7GPS -Ham Call-
> My Home at: http://map.findu.com/n7gps
> Find my pickup at: http://map.findu.com/n7gps-9

> or Find my ATV at: http://map.findu.com/n7gps-7
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

229. RE: [tvnsp] John Stone's Callsign

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-05 01:18:30 UTC
From: John Knapp
Topic: 219 Message: 229

Try K7JPS. It is similar to Randy's.

JohnK

> -----Original Message-----
> From: Paul Verhage [mailto:pverhage@...]
> Sent: Wednesday, April 04, 2001 2:00 PM
> To: 'tvnsp@egroups.com'
> Subject: [tvnsp] John Stone's Callsign
>
>
> I need to get John Stone's callsign. I tried checking the database at the
> ARRL but nothing was found. If anyone, including John, can send me his
> callsign, I'd appreciate it.
>
> I got the registration numbers for APRS for everyone but John. I'll drop
> them into the mail today.
>
> Paul
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
>

230. APRS

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-05 16:50:58 UTC
From: Paul Verhage
Topic: 74 Message: 230

You secret code is in the mail. I'll send John Stone's out tomorrow.

Paul

231. Garmin Plugs

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-06 00:08:23 UTC
From: Jeff Melanson
Topic: 231 Message: 231

Hi all,

Here's a web site I have to share with you.

http://www.pfranc.com

This guy makes the round and square plugs for Garmin GPS's. They send you one or two plugs and if you like them you pay for them. You make a pledge to pay for them and you pay what you think they're worth. It's like shareware but it's hardware. This will help all those who wish to build there own cables.

Jeff Melanson
KD7INN
kd7inn@...

232. Re: [tvnsp] Garmin Plugs

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-06 00:16:05 UTC
From: Mark Conner
Topic: 231 Message: 232

I have purchased a half-dozen of the round plugs and have been very pleased with them. My local pfranc rep put them in the mail the day after I sent the e-mail to request them.

Be sure to read the assembly instructions thoroughly before starting the assembly - I mangled one by not doing so.

73 de Mark N9XTN

----- Original Message -----
From: "Jeff Melanson" <kd7inn@...>
To: <tvnsp@yahoogroups.com>
Sent: Thursday, April 05, 2001 19:08
Subject: [tvnsp] Garmin Plugs

> Hi all,
>
> Here's a web site I have to share with you.
>
> http://www.pfranc.com
>
> This guy makes the round and square plugs for Garmin GPS's. They send
you
> one or two plugs and if you like them you pay for them. You make a pledge
to
> pay for them and you pay what you think they're worth. It's like shareware
> but it's hardware. This will help all those who wish to build there own
> cables.
>
> Jeff Melanson
> KD7INN
> kd7inn@...
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
>

233. Re: APRS

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-06 14:25:50 UTC
From: k7jps@arrl.net
Topic: 74 Message: 233

--- In tvnsp@y..., Paul Verhage <pverhage@s...> wrote:
>You secret code is in the mail. I'll send John Stone's out tomorrow.
>

Thanks everyone for getting Paul my call sign. I've been in Nashville
all week so I had not see the posting.

John Stone
K7JPS

234. Re: Garmin Plugs

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-06 14:48:44 UTC
From: k7jps@arrl.net
Topic: 231 Message: 234

I just got my first plugs last week and they work great. I had the plug two days after I pledged. I was able to use the track I downloaded in Waypoints+ to calculate the distance we hiked to recover TV01A - it was 7.57 miles with a 1221' elevation gain. (If you would like a copy of the track data from the hike so that you can try it with Waypoint+, just e-mail me.)

Not that this is experience speaking, but the one think that can not be over emphasized is to make sure you know the power requirements of your GPS. If it needs a regulated voltage, then make sure you don't just use any cigarette lighter adapter off the shelf.

John Stone
K7JPS

--- In tvnsp@y..., Jeff Melanson <kd7inn@e...> wrote:
> Hi all,
>
> Here's a web site I have to share with you.
>
> http://www.pfranc.com
>
> This guy makes the round and square plugs for Garmin GPS's. They send you
> one or two plugs and if you like them you pay for them. You make a pledge to
> pay for them and you pay what you think they're worth. It's like shareware
> but it's hardware. This will help all those who wish to build there own
> cables.
>
> Jeff Melanson
> KD7INN
> kd7inn@e...

235. Re: [tvnsp] Re: Garmin Plugs

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-06 17:21:30 UTC
From: randy farley
Topic: 231 Message: 235

> (snip)
> Not that this is experience speaking, but the one think
> that can not
> be over emphasized is to make sure you know the power
> requirements of
> your GPS. If it needs a regulated voltage, then make
> sure you don't
> just use any cigarette lighter adapter off the shelf.

Good observation John. I have two Garmin GPS's. One operates on 5-8 v. and the other one handles 10-40 volts. They both have similar plugs. Good idea to mark them to prevent possible damage, especially if you have to loan one to someone.

John, i would like your track.
>
(snip)

236. Hamfest

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-07 16:36:21 UTC
From: Jeff Melanson
Topic: 236 Message: 236

Can someone give me the location of the hamfest that we will be launching the balloon from? Lat and Lon in decimal form or just an address if that's what you have. Who was the volunteer to run the tracking station from there? Does anyone know when the Idaho Falls hamfest is?

Jeff Melanson
KD7INN
kd7inn@...

237. RE: [tvnsp] Hamfest

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-07 17:19:21 UTC
From: Paul Verhage
Topic: 236 Message: 237

> Can someone give me the location of the hamfest that we
> will be launching
> the balloon from? Lat and Lon in decimal form or just an
> address if that's
> what you have. Who was the volunteer to run the tracking
> station from there?
> Does anyone know when the Idaho Falls hamfest is?

It's at one of the schools. I believe Vallivue. But I don't know if it's the high shcool or middle school.

Doug has volunteered to run a tracking station at DCI. But no one (as far as I recall) has volunteered to operate a tracking station at the hamfest.

John Knapp, do you have an HT to run the doppler from? It needs to have a PTT lock, so the HT can't transmit through the doppler antenna.

Paul

238. RE: [tvnsp] Hamfest

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-07 17:46:24 UTC
From: Frank Black
Topic: 236 Message: 238

I have looked the school up on my mapping program and have talked with W7TF Jim with the Snake River Amateur Radio Club on the exact location of the ham fest and here is the lat long for everyone---- 43.36.38 N X 116.41.28 W . The school is just north of Archer/Highway 55 on 10th ave south. This is just south of Caldwell Idaho. AC7BF Frankie<ac7bf@...>

-----Original Message-----
From: Paul Verhage [mailto:pverhage@...]
Sent: Saturday, April 07, 2001 11:19 AM
To: 'tvnsp@yahoogroups.com'
Subject: RE: [tvnsp] Hamfest

> Can someone give me the location of the hamfest that we
> will be launching
> the balloon from? Lat and Lon in decimal form or just an
> address if that's
> what you have. Who was the volunteer to run the tracking
> station from there?
> Does anyone know when the Idaho Falls hamfest is?

It's at one of the schools. I believe Vallivue. But I don't know if it's the high shcool or middle school.

Doug has volunteered to run a tracking station at DCI. But no one (as far as I recall) has volunteered to operate a tracking station at the hamfest.

John Knapp, do you have an HT to run the doppler from? It needs to have a PTT lock, so the HT can't transmit through the doppler antenna.

Paul

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239. RE: [tvnsp] Hamfest

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-07 18:59:47 UTC
From: ab7xm@aol.com
Topic: 236 Message: 239

the hamfest in caldwell is at the old vallivue high school but is now the new middle school (old school ,new name) and its address is 16358 south tenth ave just off of karcher road ... i dont know the cords hope this helps
ab7xm paul 73

240. Comm 2 for Laptop

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-07 20:18:25 UTC
From: Paul Verhage
Topic: 240 Message: 240

I checked all the computer stores I know in Boise and coul not find a serial port PC card for my laptop. I want to avoid using the HSP if I can. I'll start searching online for one. however, if you know a local store that carries a serial port PC card, please let me know.

Paul

241. Re: [tvnsp] Comm 2 for Laptop

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-07 21:08:51 UTC
From: Jeff Melanson
Topic: 240 Message: 241

Paul,
Consider comparing the cost of a serial port PC card to a KPC-3 plus. The tnc can be purchased from Ham Radio Outlet for about $155. I don't know what the card cost's. I think the performance will be much better than having to use an HSP-Cable. I don't know this from experience, just listening to what others have said. How about some comments from some of you with experience in this area? I will be wiring my new GPS directly to my KPC-3 plus. Randy showed me how.

Jeff Melanson
KD7INN

Paul Verhage wrote:

> I checked all the computer stores I know in Boise and coul not find a serial
> port PC card for my laptop. I want to avoid using the HSP if I can. I'll
> start searching online for one. however, if you know a local store that
> carries a serial port PC card, please let me know.
>
> Paul
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
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242. Re: [tvnsp] Comm 2 for Laptop

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-07 21:44:06 UTC
From: Dan
Topic: 240 Message: 242

Here are a few choices: I don't own any of these. Just some that I found.

http://www.synchrotech.com/products/serial.html

http://www.interwld.com/new/qua/qua-dsp100.htm

http://shopper.cnet.com/shopping/resellers/1,10231,0-0-311-234425-0,00.html?tag=st.sh.r.ml
.

73 de Dan

----- Original Message -----
From: Paul Verhage
To: 'tvnsp@egroups.com'
Sent: Saturday, April 07, 2001 3:18 PM
Subject: [tvnsp] Comm 2 for Laptop

I checked all the computer stores I know in Boise and coul not find a serial
port PC card for my laptop. I want to avoid using the HSP if I can. I'll
start searching online for one. however, if you know a local store that
carries a serial port PC card, please let me know.

Paul

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243. RE: [tvnsp] Hamfest

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-07 22:23:16 UTC
From: John Knapp
Topic: 236 Message: 243

The Hamfest is at the old Vallivue High School, Not sure of the address.

I will check to see if I can run a tracking station at the Hamfest from the Club trailer during the Hamfest - I wouldn't be able to chase if I do. I know the trailer will be there but I don't know who will be setting it up, etc. I will find out about the trailer at the next committe meeting on April 16.

Paul, I do have a PTT lock on my handheld, however it is the only radio I have at present. But I could use it on the Doppler Receiver.

JohnK

> -----Original Message-----
> From: Paul Verhage [mailto:pverhage@...]
> Sent: Saturday, April 07, 2001 11:19 AM
> To: 'tvnsp@yahoogroups.com'
> Subject: RE: [tvnsp] Hamfest
>
>
> > Can someone give me the location of the hamfest that we
> > will be launching
> > the balloon from? Lat and Lon in decimal form or just an
> > address if that's
> > what you have. Who was the volunteer to run the tracking
> > station from there?
> > Does anyone know when the Idaho Falls hamfest is?
>
> It's at one of the schools. I believe Vallivue. But I don't know if it's
> the high shcool or middle school.
>
> Doug has volunteered to run a tracking station at DCI. But no one (as far
> as I recall) has volunteered to operate a tracking station at the
> hamfest.
>
> John Knapp, do you have an HT to run the doppler from? It needs to have a
> PTT lock, so the HT can't transmit through the doppler antenna.
>
> Paul
>
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>
>
>
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>
>
>

244. Re: Hamfest

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-08 00:51:46 UTC
From: k7jps@arrl.net
Topic: 236 Message: 244

--- In tvnsp@y..., Jeff Melanson <kd7inn@e...> wrote:
>Can someone give me the location of the hamfest that we will be
>launching the balloon from? Lat and Lon in decimal form or just an
>address if that's what you have.

I had the chance to walk out my back door and across the field to
Vallivue Middle School this afternoon with my GPS in hand. I think
that the soccer fields would be the best place to launch from since
the football field is encircled by lights. The lat/long for the
soccer fields is 43.60872°/ -116.68977° at an altitude of 2630'.

John Stone
K7JPS

245. Re: [tvnsp] Re: Hamfest

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-08 03:37:10 UTC
From: Jeff Melanson
Topic: 236 Message: 245

Thanks John. I'll enter those numbers into balloon track as the launch point. It's probably to early to predict anything yet, but now we have the numbers.

Jeff Melanson
KD7INN

k7jps@... wrote:

> --- In tvnsp@y..., Jeff Melanson <kd7inn@e...> wrote:
> >Can someone give me the location of the hamfest that we will be
> >launching the balloon from? Lat and Lon in decimal form or just an
> >address if that's what you have.
>
> I had the chance to walk out my back door and across the field to
> Vallivue Middle School this afternoon with my GPS in hand. I think
> that the soccer fields would be the best place to launch from since
> the football field is encircled by lights. The lat/long for the
> soccer fields is 43.60872?/ -116.68977? at an altitude of 2630'.
>
> John Stone
> K7JPS
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

246. RE: [tvnsp] Hamfest

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-08 18:13:32 UTC
From: Paul Verhage
Topic: 236 Message: 246

> I will check to see if I can run a tracking station at the
> Hamfest from the
> Club trailer during the Hamfest - I wouldn't be able to chase
> if I do. I
> know the trailer will be there but I don't know who will be
> setting it up,
> etc. I will find out about the trailer at the next committe
> meeting on April
> 16.

I'll be at the April 18th meeting. The van sounds like a good idea. Do we have more than one person who wants to op the van so you can go on chase?

> Paul, I do have a PTT lock on my handheld, however it is the
> only radio I
> have at present. But I could use it on the Doppler Receiver.

I'd like for you to run the doppler. Let's see if we can round up a passenger for you to run communications.

Paul

247. Re: [tvnsp] Comm 2 for Laptop

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-08 18:45:53 UTC
From: Randy Farley
Topic: 240 Message: 247

Jeff made a good observation and suggestion. The HSP cable was a fix for not having enough serial ports in the old days before the KPC3+ came out. I would personally not trust the performance of a shared port for collecting critical data from a balloon.
Maybe others have had good experiences with the HSP cable method. It was okay for me at first for just casual tracking, but it had a lot of missed data reported to my laptop. I opted for the serial card before the KPC3+ came out.

Besides, Paul probably makes so much money, he should even consider one of the newer radios with built in tnc's. Paul, please don't flame me <;)

Decision,Decisons
Too much fun to be had by all.

Randy

Jeff Melanson wrote:

> Paul,
> Consider comparing the cost of a serial port PC card to a KPC-3 plus. The
> tnc can be purchased from Ham Radio Outlet for about $155. I don't know what the
> card cost's. I think the performance will be much better than having to use an
> HSP-Cable. I don't know this from experience, just listening to what others have
> said. How about some comments from some of you with experience in this area? I
> will be wiring my new GPS directly to my KPC-3 plus. Randy showed me how.
>
> Jeff Melanson
> KD7INN
>
> Paul Verhage wrote:
>
> > I checked all the computer stores I know in Boise and coul not find a serial
> > port PC card for my laptop. I want to avoid using the HSP if I can. I'll
> > start searching online for one. however, if you know a local store that
> > carries a serial port PC card, please let me know.
> >
> > Paul
> >
> > To unsubscribe from this group, send an email to:
> > tvnsp-unsubscribe@egroups.com
> >
> >
> >
> > Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
> To unsubscribe from this group, send an email to:

> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

--
Regards,
Randy Farley
N7GPS -Ham Call-
My Home at: http://map.findu.com/n7gps
Find my pickup at: http://map.findu.com/n7gps-9
or Find my ATV at: http://map.findu.com/n7gps-7

248. RE: [tvnsp] Hamfest

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-08 20:23:19 UTC
From: Doug Rich
Topic: 236 Message: 248

At 11:19 AM 4/7/01 -0600, you wrote:
> > Can someone give me the location of the hamfest that we
> > will be launching
> > the balloon from? Lat and Lon in decimal form or just an
> > address if that's
> > what you have. Who was the volunteer to run the tracking
> > station from there?
> > Does anyone know when the Idaho Falls hamfest is?
>
>It's at one of the schools. I believe Vallivue. But I don't know if it's
>the high shcool or middle school.

I will be at the hamfest and will do what I can there. I thought the DCI gig was for the last balloon flight. If I got it wrong, I am sorry. If there is a choice between DCI and the hamfest, you know where I will want to be.

Doug

>Doug has volunteered to run a tracking station at DCI. But no one (as far
>as I recall) has volunteered to operate a tracking station at the hamfest.
>
>John Knapp, do you have an HT to run the doppler from? It needs to have a
>PTT lock, so the HT can't transmit through the doppler antenna.
>
>Paul
>
>To unsubscribe from this group, send an email to:
>tvnsp-unsubscribe@egroups.com
>
>
>
>Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

249. 2nd com port

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-08 22:41:19 UTC
From: Mark Conner
Topic: 249 Message: 249

For those of you with USB on your computers, check out:
http://pfranc.com/usb/usb.htm

This is for USB rather than PC Card, but if you have USB should work great.
Lots of good comments from APRS SIG. I just ordered one yesterday.

- Mark

Mark D. Conner
E-mail: mconner@... n9xtn@...
Homepage: http://members.home.net/mconner1
"Arrogance and stupidity, all in the same package.....how efficient
of you!" - Ambassador Londo Mollari, Babylon 5

250. Re: [tvnsp] Hamfest

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-09 05:03:53 UTC
From: Jeff Melanson
Topic: 236 Message: 250

It sounds like we need to work out some scheduling details for the 28th. Let's start with these questions:

1) What time does the hamfest start?
2) What time does DCI open?
3) What time is the launch planned for?
4) How many hours will the tracking stations need to be manned?
5) Can the person that mans DCI be relieved so that he/she can attend the hamfest?
6) How many tracking stations are available on the 28th? There should be at least one on the chase, one at the hamfest and one at DCI.

Jeff Melanson
KD7INN

251. Re: [tvnsp] Hamfest

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-09 06:31:09 UTC
From: ab7xm@aol.com
Topic: 236 Message: 251

hamfest doors open for vendors to set up at 7 am and for buyers at 9 there is room and its been ok`d for over night camping on the premisis

252. A couple questions

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-09 12:22:16 UTC
From: Mike Garske
Topic: 252 Message: 252

Paul,

I have a couple questions....first, I did receive my registration number for APRS. Now the question: Where do I enter it? I have downloaded the latest copy of WinAPRS, and I cannot find where to enter the number. Second question, what is the TVNSP website address?

Thanks,

Mike KC7DPD

253. RE: [tvnsp] A couple questions

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-09 12:58:36 UTC
From: Paul Verhage
Topic: 252 Message: 253

As I recall, there is a menu item at the top called register. I'll have to look at mine again to see.

The website is located at www.the-one.com/tvnsp/

Paul

> -----Original Message-----
> From: Mike Garske [mailto:kc7dpd@...]
> Sent: Monday, April 09, 2001 6:22 AM
> To: tvnsp@yahoogroups.com
> Subject: [tvnsp] A couple questions
>
>
> Paul,
>
> I have a couple questions....first, I did receive my
> registration number for
> APRS. Now the question: Where do I enter it? I have
> downloaded the latest
> copy of WinAPRS, and I cannot find where to enter the number. Second
> question, what is the TVNSP website address?
>
> Thanks,
>
> Mike KC7DPD
>
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to
> http://docs.yahoo.com/info/terms/
>
>

254. RE: [tvnsp] Hamfest

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-09 13:02:38 UTC
From: Paul Verhage
Topic: 236 Message: 254

> It sounds like we need to work out some scheduling details
> for the 28th. Let's
> start with these questions:
>
> 1) What time does the hamfest start?

9:00 am, but we need to set at 7:00

> 2) What time does DCI open?

They open for the public at 10:00 am. We need to set up the night before.
We can get in an hour earlier, as I recall.

> 3) What time is the launch planned for?

We'll try to launch at 9:30 am

> 4) How many hours will the tracking stations need to be manned?

Let's plan for three hours.

> 5) Can the person that mans DCI be relieved so that he/she
> can attend the
> hamfest?

Doug will be attending the hamfest, so I think we're covered there. We need
to find someone to cover DCI.

> 6) How many tracking stations are available on the 28th?
> There should be at
> least one on the chase, one at the hamfest and one at DCI.

Randy, will you be helping with chase?

I should have a tracking station, but it won't have a GPS.

Jeff, where do you plan to be?

We need to find a setup for DCI.

Paul

255. RE: [tvnsp] 2nd com port

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-09 13:04:23 UTC
From: Paul Verhage
Topic: 249 Message: 255

> For those of you with USB on your computers, check out:
> http://pfranc.com/usb/usb.htm
>
> This is for USB rather than PC Card, but if you have USB
> should work great.
> Lots of good comments from APRS SIG. I just ordered one yesterday.

I checked my laptop last night, I don't have a USB port.

So far the cheapest PC card I have found is from CDW for $128.51. That's
still cheaper than going with a KPC3+.

Does anyone have a lead on something less expensive?

Paul

256. RE: [tvnsp] A couple questions

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-09 21:44:51 UTC
From: John Knapp
Topic: 252 Message: 256

Paul, do have a phone number where I can reach you at this evening? Or give
me a call later this evening.

John Knapp

> -----Original Message-----
> From: Paul Verhage [mailto:pverhage@...]
> Sent: Monday, April 09, 2001 6:59 AM
> To: 'tvnsp@yahoogroups.com'
> Subject: RE: [tvnsp] A couple questions
>
>
> As I recall, there is a menu item at the top called register.
> I'll have to
> look at mine again to see.
>
> The website is located at www.the-one.com/tvnsp/
>
> Paul
>
> > -----Original Message-----
> > From: Mike Garske [mailto:kc7dpd@...]
> > Sent: Monday, April 09, 2001 6:22 AM
> > To: tvnsp@yahoogroups.com
> > Subject: [tvnsp] A couple questions
> >
> >
> > Paul,
> >
> > I have a couple questions....first, I did receive my
> > registration number for
> > APRS. Now the question: Where do I enter it? I have
> > downloaded the latest
> > copy of WinAPRS, and I cannot find where to enter the number. Second
> > question, what is the TVNSP website address?
> >
> > Thanks,
> >
> > Mike KC7DPD
> >
> >
> >
> > To unsubscribe from this group, send an email to:
> > tvnsp-unsubscribe@egroups.com
> >

> >
> >
> > Your use of Yahoo! Groups is subject to
> > http://docs.yahoo.com/info/terms/
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> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
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>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
>

257. Re: [tvnsp] A couple questions

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-11 02:20:51 UTC
From: Randy Farley
Topic: 252 Message: 257

Hi Mike
You need to put the registration number in the Setup/main/registration box just under the Callsign box in APRSPLUS.
You can get the latest version (aprsplus199YQ.zip) at:
http://www.tapr.org/~kh2z/aprsplus
or
ftp://ftp.tapr.org/aprssig/winstuff/aprsplus

Mike Garske wrote:

> Paul,
>
> I have a couple questions....first, I did receive my registration number for
> APRS. Now the question: Where do I enter it? I have downloaded the latest
> copy of WinAPRS, and I cannot find where to enter the number. Second
> question, what is the TVNSP website address?
>
> Thanks,
>
> Mike KC7DPD
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

--
Regards,
Randy Farley
N7GPS -Ham Call-
My Home at: http://map.findu.com/n7gps
Find my pickup at: http://map.findu.com/n7gps-9
or Find my ATV at: http://map.findu.com/n7gps-7

258. Re: [tvnsp] Hamfest

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-11 02:36:57 UTC
From: Randy Farley
Topic: 236 Message: 258

Paul Verhage wrote:

>
> Randy, will you be helping with chase?
>
> I should have a tracking station, but it won't have a GPS.

I can do the DCI site if no one else wants to. I prefer the chase,but it looks like we have some very good chase crews trained now. It would be nice to take it easy at a cushy table demoing balloon tracking <:)
I would just need some direction on where to set up radio. laptop ,antenna etc.at the DCI.

>
>
> Jeff, where do you plan to be?
>
> We need to find a setup for DCI.
>
> Paul
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

--
Regards,
Randy Farley
N7GPS -Ham Call-
My Home at: http://map.findu.com/n7gps
Find my pickup at: http://map.findu.com/n7gps-9
or Find my ATV at: http://map.findu.com/n7gps-7

259. Re: [tvnsp] Hamfest

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-11 12:20:55 UTC
From: Jeff Melanson
Topic: 236 Message: 259

Hi Paul,

I plan to be on the chase. I have some guests coming to see what it is all about. Hopefully they are future balloonist's.

Jeff Melanson
KD7INN

260. RE: [tvnsp] Hamfest

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-11 13:22:23 UTC
From: Paul Verhage
Topic: 236 Message: 260

I'll talk to you at the meeting. We need to set up an antenna outside the building.

Paul

> -----Original Message-----
> From: Randy Farley [mailto:rdfarley@...]
> Sent: Tuesday, April 10, 2001 8:37 PM
> To: tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] Hamfest
>
>
>
>
> Paul Verhage wrote:
>
> >
> > Randy, will you be helping with chase?
> >
> > I should have a tracking station, but it won't have a GPS.
>
> I can do the DCI site if no one else wants to. I prefer the
> chase,but it looks
> like we have some very good chase crews trained now. It would
> be nice to take it
> easy at a cushy table demoing balloon tracking <:)
> I would just need some direction on where to set up radio.
> laptop ,antenna
> etc.at the DCI.
>
> >
> >
> > Jeff, where do you plan to be?
> >
> > We need to find a setup for DCI.
> >
> > Paul
> >
> > To unsubscribe from this group, send an email to:
> > tvnsp-unsubscribe@egroups.com
> >
> >
> >
> > Your use of Yahoo! Groups is subject to
http://docs.yahoo.com/info/terms/

--
Regards,
Randy Farley
N7GPS -Ham Call-
My Home at: http://map.findu.com/n7gps
Find my pickup at: http://map.findu.com/n7gps-9
or Find my ATV at: http://map.findu.com/n7gps-7

To unsubscribe from this group, send an email to:
tvnsp-unsubscribe@egroups.com

Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

261. April Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-11 13:40:09 UTC
From: Paul Verhage
Topic: 261 Message: 261

So far we have Jeff doing chase, Doug operating a station at the Hamfest, and Randy doing Flight at DCI. I'll help out with the launch and chase.

Can we get some more people to help out Randy at DCI? There will be some astronomy people there also. But don't worry, they've had their shots.

I can track the balloon, but may not have a GPS set up in my car.

We need to set up DCI the night before.

Paul

262. Status, 11 Apr

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-11 18:05:21 UTC
From: Paul Verhage
Topic: 262 Message: 262

The capsules for the next flight are complete. The flight code is complete also, but I need to check it over once more. I'll bring the capsules to the radio club meetings for this month. I'll also bring them to the astronomy club meeting. There are three connections to make between the capsules for this flight. Two are for servos and the third is for a operating a camera shutter.

The SSTV camera head rotator servo is connected to servo channel 1. The dropper servo is connected to servo channel 0.

The IR camera is connected to I/O pin 0. This pin is by itself and is not part of the CC/PS expansion port.

I'll make the required internal connections before launch. These connections are for the bug cabins, the sounder, and the geiger counter. The sounder flew on flight TV00A, last year. It measures temperature, pressure, and relative humidity during the flight into near space. I'll email the details about the channels they will be connected to. But for now, the cabin is plugged into channels 0-3 and the sounder is connected to channels 4-6. There is nothing connected to channel 7 for this flight (TV01B).

Geiger counter data is sent prefixed with a GM header. The number that follows the GM header is the number of counts in ten seconds. Here are the expected numbers. At launch the count will be 0 to perhaps as high as two. At 60,000+ feet the count will climb to as high as 800 counts in 10 seconds. The counts will drop off as the capsule climbs higher.

The glider is scheduled to be released at 75,000 feet. The IR camera will record a picture every 2500 feet. The camera will also take a picture a second after the glider is released. There will be a GLIDER message sent once the glider is released. The glider needs to be connected to the dropper at the launch site. I've redesigned the dropper. It takes only a couple of seconds to attach it to the dropper. It's a no sweat task, unlike last time it was used.

I made a change in the GPS flight code. This should allow the altitudes to be updated properly during the flight. This stops the "Bad GPS Data" message and let's the capsule determine when the balloon has burst.

Paul

263. Re: April Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-12 00:01:46 UTC
From: k7jps@arrl.net
Topic: 261 Message: 263

--- In tvnsp@y..., Paul Verhage <pverhage@s...> wrote:
> So far we have Jeff doing chase, Doug operating a station at the Hamfest,
> and Randy doing Flight at DCI. I'll help out with the launch and chase.
>
> Can we get some more people to help out Randy at DCI? There will be some
> astronomy people there also. But don't worry, they've had their shots.
>
> I can track the balloon, but may not have a GPS set up in my car.
>
> We need to set up DCI the night before.
>
> Paul

I am planning to chase and would be willing to do navigation /communications again. I can be at DCI to help setup on the 27th if I am needed. Also, if we don't have to move the launch site from Hamfest, I can provide the Saturday Winds data to the other chase crews since my house is only 1/4 of a mile from Vallivue Middle School.

One other thing, with the info that Paul sent out on the capsules I can start a check list for review.

John Stone
K7JPS

264. Re: [tvnsp] April Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-12 01:04:54 UTC
From: Randy Farley
Topic: 261 Message: 264

I can loan you one of my GPS,s if you promise not to get lost <:)

Paul Verhage wrote:

> So far we have Jeff doing chase, Doug operating a station at the Hamfest,
> and Randy doing Flight at DCI. I'll help out with the launch and chase.
>
> Can we get some more people to help out Randy at DCI? There will be some
> astronomy people there also. But don't worry, they've had their shots.
>
> I can track the balloon, but may not have a GPS set up in my car.
>
> We need to set up DCI the night before.
>
> Paul
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

--
Regards,
Randy Farley
N7GPS -Ham Call-
My Home at: http://map.findu.com/n7gps
Find my pickup at: http://map.findu.com/n7gps-9
or Find my ATV at: http://map.findu.com/n7gps-7

265. RE: [tvnsp] April Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-12 01:16:47 UTC
From: John Knapp
Topic: 261 Message: 265

I will chase. Paul, I may have a second radio by then so I will use the Doppler if you want. Also, can I meet you early next Wednesday prior to the Club meeting, say around 6:00pm? That way I can discuss the Willow Creek setup if you still want to try to get something set up for it (April 21).

JohnK

> -----Original Message-----
> From: Paul Verhage [mailto:pverhage@...]
> Sent: Wednesday, April 11, 2001 7:40 AM
> To: 'tvnsp@yahoogroups.com'
> Subject: [tvnsp] April Launch
>
>
> So far we have Jeff doing chase, Doug operating a station at the Hamfest,
> and Randy doing Flight at DCI. I'll help out with the launch and chase.
>
> Can we get some more people to help out Randy at DCI? There will be some
> astronomy people there also. But don't worry, they've had their shots.
>
> I can track the balloon, but may not have a GPS set up in my car.
>
> We need to set up DCI the night before.
>
> Paul
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
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> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
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266. RE: [tvnsp] April Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-12 13:13:03 UTC
From: Paul Verhage
Topic: 261 Message: 266

I got GPSs coming out my ears. The problem is I may not have a second serial port in time.

Thanks for the offer.

Paul

> I can loan you one of my GPS,s if you promise not to get lost <:)

267. RE: [tvnsp] April Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-12 13:24:34 UTC
From: Paul Verhage
Topic: 261 Message: 267

> I will chase. Paul, I may have a second radio by then so I
> will use the
> Doppler if you want. Also, can I meet you early next
> Wednesday prior to the
> Club meeting, say around 6:00pm? That way I can discuss the
> Willow Creek
> setup if you still want to try to get something set up for it
> (April 21).

Thanks. John Knapp will run doppler. I'll take John Stone in my Jeep for comm and nav. Justin, do you plan to attend this launch?

Doug has a neat APRS setup he'll demo at the hamfest.

I'm looking for additional help for Randy at DCI. Anyone local to Boise who is not planning to attend the chase that could help out at DCI?

Also, I got a message from the state of Idaho. Electronic teachers are suppose to have a two day conference on the 20/21 April. I can't make either the mall (so that won't happen) or scout camp. I'll lend John a capsule, some photos, a 'chute, and video. Do they have access to electrical power at the camp? Do they have a video tape player and TV? I'll get with you before next week's meeting. We can plan by email and I'll bring the stuff you'll need for the scouts.

Paul

268. FW: [aprssig] NSTAR 01A balloon flight Saturday

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-12 13:28:39 UTC
From: Paul Verhage
Topic: 268 Message: 268

Heads up. The flight should be displayed on FINDU. Mark is the meteorologist I mention in the past. With any luck, In Kansas we'll launch four balloons this summer in a mass launch attempt. The record is two launches. Now if I could just get my altitude record back.

Paul

Paul

> -----Original Message-----
> From: Mark Conner [mailto:mconner1@...]
> Sent: Wednesday, April 11, 2001 10:37 PM
> To: TAPR APRS Special Interest Group
> Subject: [aprssig] NSTAR 01A balloon flight Saturday
>
>
> Nebraska Stratospheric Amateur Radio (NSTAR) Flight 01A is
> scheduled for
> Saturday, April 14th, at 1530 UTC from NWS Valley, Nebraska
> (WNW of Omaha).
> APRS will be on 144.39 MHz (N9XTN-11), simplex repeater on
> 446.50 MHz, and
> FSK-31 (not PSK) on 28.210 MHz (W0RPK).
>
> Flight time will be about 90 minutes and a max altitude
> expected of 65,000
> ft. This will give a range of about 325 miles. Landing is
> expected about
> 50 miles WSW of Des Moines.
>
> See http://members.home.net/mconner1/nstar.html for details.
>
> 73 de Mark N9XTN
>
> ------
> Mark D. Conner
> E-mail: mconner@... n9xtn@...
> Homepage: http://members.home.net/mconner1
> "Arrogance and stupidity, all in the same package.....how efficient
> of you!" - Ambassador Londo Mollari, Babylon 5
>
>
> ---
> You are currently subscribed to aprssig as: pverhage@...
> To unsubscribe send a blank email to
> leave-aprssig-22465M@...

> Questions regarding the SIG go to the SIG administrator:
> wa1lou@...
>

269. Status, 12 Apr

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-12 13:39:30 UTC
From: Paul Verhage
Topic: 269 Message: 269

Here's the format of the experimental data for this flight. The channels will telemeter data on the bug cabins and the sounder. The channels are as follows.

1 = Cabin 1 pressure
2 = Cabin 2 pressure
3 = Cabin 1 temperature
4 = Cabin 2 temperature
5 = atmospheric pressure
6 = atmospheric temperature
7 = relative humidity

Cabin one is covered in aluminized mylar. Cabin two is cover in black paper and sealed with teflon tape. Both cabins use a rubber washer. I gave them both a squeeze. They didn't leak air. If they both hoild pressure, we'll need bug volunteers for the May flight.

Paul

270. RE: [tvnsp] April Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-12 18:48:54 UTC
From: John Knapp
Topic: 261 Message: 270

We plan to have a generator with us so we can have 110 volt with us. But the main power will be 12 volt batteries. If nothing else we can set up the capsule for a static display and I will say a little about the Near Space Program in the information I give the scouts.

On the launch on April 28, I may have a couple of riders who are interested in the program. One is a Hot Air Ballon instructor, the other thinks the whole idea is neat. Neither are hams but would like to help launch and chase.

JohnK

> -----Original Message-----
> From: Paul Verhage [mailto:pverhage@...]
> Sent: Thursday, April 12, 2001 7:25 AM
> To: 'tvnsp@yahoogroups.com'
> Subject: RE: [tvnsp] April Launch
>
>
> > I will chase. Paul, I may have a second radio by then so I
> > will use the
> > Doppler if you want. Also, can I meet you early next
> > Wednesday prior to the
> > Club meeting, say around 6:00pm? That way I can discuss the
> > Willow Creek
> > setup if you still want to try to get something set up for it
> > (April 21).
>
>
> Thanks. John Knapp will run doppler. I'll take John Stone in my Jeep for
> comm and nav. Justin, do you plan to attend this launch?
>
> Doug has a neat APRS setup he'll demo at the hamfest.
>
> I'm looking for additional help for Randy at DCI. Anyone local
> to Boise who
> is not planning to attend the chase that could help out at DCI?
>
> Also, I got a message from the state of Idaho. Electronic teachers are
> suppose to have a two day conference on the 20/21 April. I can't make
> either the mall (so that won't happen) or scout camp. I'll lend John a
> capsule, some photos, a 'chute, and video. Do they have access to
> electrical power at the camp? Do they have a video tape player and TV?
> I'll get with you before next week's meeting. We can plan by
> email and I'll
> bring the stuff you'll need for the scouts.

>
> Paul
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
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>
>

271. RE: [tvnsp] April Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-12 19:14:23 UTC
From: Paul Verhage
Topic: 261 Message: 271

I suppose you could use a live capsule and display data on APRS. But you've got to watch that capsule like a hawk since it goes up the following week. I'll plan to lend a parachute, video tapes, and a capsule.

> We plan to have a generator with us so we can have 110 volt
> with us. But the
> main power will be 12 volt batteries. If nothing else we can
> set up the
> capsule for a static display and I will say a little about
> the Near Space
> Program in the information I give the scouts.
>
> On the launch on April 28, I may have a couple of riders who
> are interested
> in the program. One is a Hot Air Ballon instructor, the other
> thinks the
> whole idea is neat. Neither are hams but would like to help launch and
> chase.

Excellent. It'd be neat to test a parachute from a hot air balloon. Or perhaps video a launch from an airborne hot air balloon.

Paul

272. RE: [tvnsp] April Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-12 19:25:30 UTC
From: John Knapp
Topic: 261 Message: 272

Ideally that is what I would like to do, however I am not sure of the status
of the PC in the trailer.

I will have a canopy there for cover from rain, etc so it wouldn't get wet.
By Wednesday I will know more on the trailer setup.

JohnK

> -----Original Message-----
> From: Paul Verhage [mailto:pverhage@...]
> Sent: Thursday, April 12, 2001 1:14 PM
> To: 'tvnsp@yahoogroups.com'
> Subject: RE: [tvnsp] April Launch
>
>
> I suppose you could use a live capsule and display data on APRS.
> But you've
> got to watch that capsule like a hawk since it goes up the following week.
> I'll plan to lend a parachute, video tapes, and a capsule.
>
> > We plan to have a generator with us so we can have 110 volt
> > with us. But the
> > main power will be 12 volt batteries. If nothing else we can
> > set up the
> > capsule for a static display and I will say a little about
> > the Near Space
> > Program in the information I give the scouts.
> >
> > On the launch on April 28, I may have a couple of riders who
> > are interested
> > in the program. One is a Hot Air Ballon instructor, the other
> > thinks the
> > whole idea is neat. Neither are hams but would like to help launch and
> > chase.
>
> Excellent. It'd be neat to test a parachute from a hot air balloon. Or
> perhaps video a launch from an airborne hot air balloon.
>
> Paul
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
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>
>
>

273. Re: [tvnsp] April Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-13 01:58:50 UTC
From: Jeff Melanson
Topic: 261 Message: 273

Hi Paul,

My new Garmin GPS arrived yesterday and I am becoming familiar with it. I hooked it up to Street Atlas and it works fine. The next step is to hook it up to the TNC and test it. I don't anticipate any problems. My tracking station will be ready for the chase with a GPS.

Jeff Melanson
KD7INN

Paul Verhage wrote:

> I got GPSs coming out my ears. The problem is I may not have a second
> serial port in time.
>

274. RE: [tvnsp] April Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-13 16:49:23 UTC
From: Paul Verhage
Topic: 261 Message: 274

Great.
We'll need your tracking station.
I'll be placing my station at DCI for Randy and the SSTV.

Paul

> -----Original Message-----
> From: Jeff Melanson [mailto:kd7inn@...]
> Sent: Thursday, April 12, 2001 7:59 PM
> To: tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] April Launch
>
>
> Hi Paul,
>
> My new Garmin GPS arrived yesterday and I am becoming
> familiar with it. I
> hooked it up to Street Atlas and it works fine. The next step
> is to hook it
> up to the TNC and test it. I don't anticipate any problems.
> My tracking
> station will be ready for the chase with a GPS.
>
> Jeff Melanson
> KD7INN
>
> Paul Verhage wrote:
>
> > I got GPSs coming out my ears. The problem is I may not
> have a second
> > serial port in time.
> >
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
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>
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275. FW: [KNSP] Fw: NSTAR 01A recovered intact

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-15 21:06:18 UTC
From: Paul Verhage
Topic: 275 Message: 275

Alright folks, this is the task for the May flight.

> The video on the way up was clear to maybe 40,000 ft. Descent video
> looked like the lens was fogged over, but the camera did operate until
> landing. However, all you see is green, blue, green, blue,
> thump. So Paul
> still has a chance to get the first viewable video of a landing.

Idaho tends to have drier weather, so we may not have the fogging. I ran a test on the camcorder earlier this week. A fully charged battery was left on the camcorder while it was shut off for one hour. I then ran the video for 30 minutes. There are five LEDs on the back of the battery. Five indicates a full charge. Only one LED went out during the test. I'll try the test again later this month. For the May flight we'll use a 600 gram balloon and fill it to three pounds positive lift. I won't start the camcoder for at least an hour.

If you'd like to subscribe to Mark's email list, it's KNSP at egroups.com.

Paul

276. Meeting Saturday, 21 Apr

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-16 20:26:40 UTC
From: Paul Verhage
Topic: 276 Message: 276

I have a meeting on Saturday, but it should let out by noon.

The next TVNSP meeting is scheduled for Saturday. Let's plan to meet at DCI at 4:00 pm. We'll need to bring radio and PC gear for mission Control. I'll bring an HT and laptop for SSTV. Randy will bring gear for APRS. Randy, can you bring gear for voice? We'll need external antennas. From mission Control to the outside is proably 50 feet. So we'll need cable runs that long.

I'll bring both capsules. Once equipment is set up we'll run the capsules for 30 minutes as a test.

After the debugging and documentation, we'll have dinner at Galaxy Dinner.

Paul

PS, let me know what you can bring to DCI. We're still looking for more help for DCI during the flight.

277. Re: [tvnsp] Meeting Saturday, 21 Apr

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-17 02:44:10 UTC
From: Randy Farley
Topic: 276 Message: 277

I will bring voice and APRS radios and battery or do we have AC available for power supply. I have coax runs of 40 and 100 feet. I can make up another 30 foot piece i have laying around. I have one portable dual band mag mount and one on my pickup available.

Paul Verhage wrote:

> I have a meeting on Saturday, but it should let out by noon.
>
> The next TVNSP meeting is scheduled for Saturday. Let's plan to meet at DCI
> at 4:00 pm. We'll need to bring radio and PC gear for mission Control.
> I'll bring an HT and laptop for SSTV. Randy will bring gear for APRS.
> Randy, can you bring gear for voice? We'll need external antennas. From
> mission Control to the outside is proably 50 feet. So we'll need cable runs
> that long.
>
> I'll bring both capsules. Once equipment is set up we'll run the capsules
> for 30 minutes as a test.
>
> After the debugging and documentation, we'll have dinner at Galaxy Dinner.
>
> Paul
>
> PS, let me know what you can bring to DCI. We're still looking for more
> help for DCI during the flight.
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

--
Regards,
Randy Farley
N7GPS -Ham Call-
My Home at: http://map.findu.com/n7gps
Find my pickup at: http://map.findu.com/n7gps-9
or Find my ATV at: http://map.findu.com/n7gps-7

278. Re: Meeting Saturday, 21 Apr

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-17 03:47:03 UTC
From: k7jps@arrl.net
Topic: 276 Message: 278

--- In tvnsp@y..., Paul Verhage <pverhage@s...> wrote:
>PS, let me know what you can bring to DCI. We're still looking for
>more help for DCI during the flight.

Paul, What's the website for the SSTV software. I can try to set that up on my lap-top. I'd offer it for the chase but the batteries are shot and it needs 120v power to run.

John Stone
K7JPS

279. RE: [tvnsp] Meeting Saturday, 21 Apr

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-17 12:51:40 UTC
From: Paul Verhage
Topic: 276 Message: 279

We'll have access to AC power. I'll bring an extension cord.

Paul

> -----Original Message-----
> From: Randy Farley [mailto:rdfarley@...]
> Sent: Monday, April 16, 2001 8:44 PM
> To: tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] Meeting Saturday, 21 Apr
>
>
> I will bring voice and APRS radios and battery or do we have
> AC available for
> power supply. I have coax runs of 40 and 100 feet. I can make
> up another 30 foot
> piece i have laying around. I have one portable dual band
> mag mount and one on
> my pickup available.
>
> Paul Verhage wrote:
>
> > I have a meeting on Saturday, but it should let out by noon.
> >
> > The next TVNSP meeting is scheduled for Saturday. Let's
> plan to meet at DCI
> > at 4:00 pm. We'll need to bring radio and PC gear for
> mission Control.
> > I'll bring an HT and laptop for SSTV. Randy will bring
> gear for APRS.
> > Randy, can you bring gear for voice? We'll need external
> antennas. From
> > mission Control to the outside is proably 50 feet. So
> we'll need cable runs
> > that long.
> >
> > I'll bring both capsules. Once equipment is set up we'll
> run the capsules
> > for 30 minutes as a test.
> >
> > After the debugging and documentation, we'll have dinner at
> Galaxy Dinner.
> >
> > Paul
> >
> > PS, let me know what you can bring to DCI. We're still

> looking for more
> > help for DCI during the flight.
> >
> > To unsubscribe from this group, send an email to:
> > tvnsp-unsubscribe@egroups.com
> >
> >
> >
> > Your use of Yahoo! Groups is subject to
> http://docs.yahoo.com/info/terms/
>
> --
> Regards,
> Randy Farley
> N7GPS -Ham Call-
> My Home at: http://map.findu.com/n7gps
> Find my pickup at: http://map.findu.com/n7gps-9
> or Find my ATV at: http://map.findu.com/n7gps-7
>
>
>
> To unsubscribe from this group, send an email to:
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>

280. RE: [tvnsp] Re: Meeting Saturday, 21 Apr

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-17 12:52:09 UTC
From: Paul Verhage
Topic: 276 Message: 280

It's siliconpixels.com.

Paul

> -----Original Message-----
> From: k7jps@... [mailto:k7jps@...]
> Sent: Monday, April 16, 2001 9:47 PM
> To: tvnsp@yahoogroups.com
> Subject: [tvnsp] Re: Meeting Saturday, 21 Apr
>
>
> --- In tvnsp@y..., Paul Verhage <pverhage@s...> wrote:
> >PS, let me know what you can bring to DCI. We're still looking for
> >more help for DCI during the flight.
>
> Paul, What's the website for the SSTV software. I can try to
> set that
> up on my lap-top. I'd offer it for the chase but the batteries are
> shot and it needs 120v power to run.
>
> John Stone
> K7JPS
>
>
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281. Re: [tvnsp] Meeting Saturday, 21 Apr

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-18 04:07:02 UTC
From: Jeff Melanson
Topic: 276 Message: 281

Paul & Randy,

What else is needed for DCI?

Paul Verhage wrote:

> I have a meeting on Saturday, but it should let out by noon.
>
> The next TVNSP meeting is scheduled for Saturday. Let's plan to meet at DCI
> at 4:00 pm. We'll need to bring radio and PC gear for mission Control.
> I'll bring an HT and laptop for SSTV. Randy will bring gear for APRS.
> Randy, can you bring gear for voice? We'll need external antennas. From
> mission Control to the outside is proably 50 feet. So we'll need cable runs
> that long.
>
> I'll bring both capsules. Once equipment is set up we'll run the capsules
> for 30 minutes as a test.
>
> After the debugging and documentation, we'll have dinner at Galaxy Dinner.
>
> Paul
>
> PS, let me know what you can bring to DCI. We're still looking for more
> help for DCI during the flight.
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
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282. RE: [tvnsp] Meeting Saturday, 21 Apr

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-18 13:08:48 UTC
From: Paul Verhage
Topic: 276 Message: 282

We'll need a radio, antenna cables, antennas, and place to set them up, and laptops. I think between Randy and me, we have it covered. Can anyone else think of something I'm missing?

I'll leave some near space capsule stuff, like a balloon (which DCI will fill inside the building), parachute, video, pictures, and a poster.

We ought to think about labels. I'd like to get a big one tht says Mission Control.

Paul

> -----Original Message-----
> From: Jeff Melanson [mailto:kd7inn@...]
> Sent: Tuesday, April 17, 2001 10:07 PM
> To: tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] Meeting Saturday, 21 Apr
>
>
> Paul & Randy,
>
> What else is needed for DCI?
>
>
> Paul Verhage wrote:
>
> > I have a meeting on Saturday, but it should let out by noon.
> >
> > The next TVNSP meeting is scheduled for Saturday. Let's
> plan to meet at DCI
> > at 4:00 pm. We'll need to bring radio and PC gear for
> mission Control.
> > I'll bring an HT and laptop for SSTV. Randy will bring
> gear for APRS.
> > Randy, can you bring gear for voice? We'll need external
> antennas. From
> > mission Control to the outside is proably 50 feet. So
> we'll need cable runs
> > that long.
> >
> > I'll bring both capsules. Once equipment is set up we'll
> run the capsules
> > for 30 minutes as a test.
> >
> > After the debugging and documentation, we'll have dinner at
> Galaxy Dinner.

> >
> > Paul
> >
> > PS, let me know what you can bring to DCI. We're still
> looking for more
> > help for DCI during the flight.
> >
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283. Status, 19 April

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-19 17:12:23 UTC
From: Paul Verhage
Topic: 283 Message: 283

The MRF shows a deep trough off the coast. This creates winds from the south. If we launch under those conditions, the balloon will go almost straight north. I imagine the 9 day forecast is not very accurate, but we need to keep an eye on this situation.

If the winds are from 180, then we need to look at launching from Jordan Valley.

Montana plans to attend this launch. This time the director of their Space Grant Consortium will attend with the students.

Don't forget, we'll meet this Saturday at DCI at 4:00 pm. Dinner follows at Galaxy Diner.

The SSTV will be transmitted on 147.585.

Paul

284. NWS upper-air observation site

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-20 18:21:55 UTC
From: Conner, Mark
Topic: 284 Message: 284

http://www.ua.nws.noaa.gov

This has practically all you ever wanted to know about the NWS radiosonde (balloon) program.

Two interesting tidbits:

1) NWS gets about 20% of their sondes back.
2) By 2005 or so, the current ground stations and sonde design will be replaced with one based on DGPS.

73 de Mark N9XTN

285. Status, 22 Apr

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-22 18:55:47 UTC
From: Paul Verhage
Topic: 285 Message: 285

The MRF is predicting southwest winds, but weak. So we may have to launch from Jordan Valley.
The NWS is predicting a chance of showers.

We'll see as we get closer.

At dinner last night I thought of developing a club, like the ham clubs, for the balloon project. I'd like it to get non-profit status and hope that brings in donations for helium. One of the major pushes of the club is to get others to develop near space capsules. Any input?

Paul

286. Re: [tvnsp] Status, 22 Apr

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-23 09:57:46 UTC
From: Mike Garske
Topic: 285 Message: 286

Paul,

I think it would be a great idea to have a separate club for the balloon project. I am considering building a capsule myself sometime in the future, and a club that concentrated on high altitude balloons would encourage me to pursue it. Count me in!

Mike KC7DPD

----- Original Message -----
From: "Paul Verhage" <pverhage@...>
To: "'tvnsp@egroups.com'" <tvnsp@yahoogroups.com>
Sent: Sunday, April 22, 2001 12:55 PM
Subject: [tvnsp] Status, 22 Apr

> The MRF is predicting southwest winds, but weak. So we may have to launch
> from Jordan Valley.
> The NWS is predicting a chance of showers.
>
> We'll see as we get closer.
>
> At dinner last night I thought of developing a club, like the ham clubs,
for
> the balloon project. I'd like it to get non-profit status and hope that
> brings in donations for helium. One of the major pushes of the club is to
> get others to develop near space capsules. Any input?
>
> Paul
>
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287. RE: [tvnsp] Status, 22 Apr

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-23 13:18:12 UTC
From: Paul Verhage
Topic: 285 Message: 287

Alright.
You're membership number is 2.

Paul

> -----Original Message-----
> From: Mike Garske [mailto:kc7dpd@...]
> Sent: Monday, April 23, 2001 3:58 AM
> To: tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] Status, 22 Apr
>
>
> Paul,
>
> I think it would be a great idea to have a separate club for
> the balloon
> project. I am considering building a capsule myself sometime
> in the future,
> and a club that concentrated on high altitude balloons would
> encourage me to
> pursue it. Count me in!
>
> Mike KC7DPD
>
>
> ----- Original Message -----
> From: "Paul Verhage" <pverhage@...>
> To: "'tvnsp@egroups.com'" <tvnsp@yahoogroups.com>
> Sent: Sunday, April 22, 2001 12:55 PM
> Subject: [tvnsp] Status, 22 Apr
>
>
> > The MRF is predicting southwest winds, but weak. So we may
> have to launch
> > from Jordan Valley.
> > The NWS is predicting a chance of showers.
> >
> > We'll see as we get closer.
> >
> > At dinner last night I thought of developing a club, like
> the ham clubs,
> for
> > the balloon project. I'd like it to get non-profit status
> and hope that
> > brings in donations for helium. One of the major pushes of

> the club is to
> > get others to develop near space capsules. Any input?
> >
> > Paul
> >
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288. Status, 23 May

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-23 13:28:47 UTC
From: Paul Verhage
Topic: 288 Message: 288

I got SSTV working on my laptop last night. Here's the settings.

Select Robot 36.
Click on Auto-RX
Click on Auto Save
Under the Edit menu, select Settings

In settings, click Use Bandpass Filter
Click on Softer

Save the settings.

When SSTV starts up, it will default to Scottie-1. Now I don't have anything against tyhe Scotties of the world, but this setting won't work for SSTV. You'll have to reselect Robot-36.

SSTV frequiency is 145.010. The SSTV unit on the balloon transmits an image every three minutes, I tested this last night.

The next meeting is on Friday at DCI. I'll be there at 3:30. After we set up, we'll head over to Texas Roadhouse. Good food there.

Paul

289. Status, 23 May, pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-23 13:34:26 UTC
From: Paul Verhage
Topic: 289 Message: 289

If launched to day the capsule would land at a heading of 121 degrees and a range of 67 miles. Not too bad, I think. I'll see where that is.

The MRF for Saturday shows a southwest wind, but not a much south as earlier in the week.

Paul

290. Re: [tvnsp] Status, 22 Apr

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-23 14:53:16 UTC
From: randy farley
Topic: 285 Message: 290

Count me in.

May need a workshop to help me with capsule electronics. I
can build the physical capsule with no problem, but some of
the electronics still make me say "gee whiz".
This is fun stuff. Lets go for it.

On Sun, 22 Apr 2001 12:55:47 -0600
Paul Verhage <pverhage@...> wrote:
> The MRF is predicting southwest winds, but weak. So we
> may have to launch
> from Jordan Valley.
> The NWS is predicting a chance of showers.
>
> We'll see as we get closer.
>
> At dinner last night I thought of developing a club, like
> the ham clubs, for
> the balloon project. I'd like it to get non-profit
> status and hope that
> brings in donations for helium. One of the major pushes
> of the club is to
> get others to develop near space capsules. Any input?
>
> Paul
>
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>

regards,

Randy

291. RE: [tvnsp] Status, 22 Apr

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-23 17:29:08 UTC
From: Doug Rich
Topic: 285 Message: 291

I have mixed thought about a club. I am continuing to build support in the VOI for a special interest group. There are many advantages doing it this way. Some are funding, included in a million dollar insurance umbrella, a larger base of people who have some interest.
If that does not pan out, I will support a new group and see if I can bring all equipment provided by BOI. I might even get annual grants from VOI. There is such a close tie to ham radio that I prefer the VOI special interest group (BOI).
Time will tell. I am trying to bring the subject to a head at VOI and either do it with full support or not.

Doug

How do you all feel?

At 07:18 AM 4/23/01 -0600, you wrote:
>Alright.
>You're membership number is 2.
>
>Paul
>
> > -----Original Message-----
> > From: Mike Garske [mailto:kc7dpd@...]
> > Sent: Monday, April 23, 2001 3:58 AM
> > To: tvnsp@yahoogroups.com
> > Subject: Re: [tvnsp] Status, 22 Apr
> >
> >
> > Paul,
> >
> > I think it would be a great idea to have a separate club for
> > the balloon
> > project. I am considering building a capsule myself sometime
> > in the future,
> > and a club that concentrated on high altitude balloons would
> > encourage me to
> > pursue it. Count me in!
> >
> > Mike KC7DPD
> >
> >
> > ----- Original Message -----
> > From: "Paul Verhage" <pverhage@...>
> > To: "'tvnsp@egroups.com'" <tvnsp@yahoogroups.com>
> > Sent: Sunday, April 22, 2001 12:55 PM
> > Subject: [tvnsp] Status, 22 Apr

> >
> >
> > > The MRF is predicting southwest winds, but weak. So we may
> > have to launch
> > > from Jordan Valley.
> > > The NWS is predicting a chance of showers.
> > >
> > > We'll see as we get closer.
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> > > At dinner last night I thought of developing a club, like
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> > > the balloon project. I'd like it to get non-profit status
> > and hope that
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> > the club is to
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> > >
> > > Paul
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292. RE: [tvnsp] Status, 22 Apr

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-23 17:33:36 UTC
From: Paul Verhage
Topic: 285 Message: 292

Insurance is an issue. Being a part of ARRL gives some insurance coverage,
as I recall. A balloon program may want to do the same thing.

Paul

> -----Original Message-----
> From: Doug Rich [mailto:doug@...]
> Sent: Monday, April 23, 2001 11:29 AM
> To: tvnsp@yahoogroups.com
> Subject: RE: [tvnsp] Status, 22 Apr
>
>
> I have mixed thought about a club. I am continuing to build
> support in the
> VOI for a special interest group. There are many advantages
> doing it this
> way. Some are funding, included in a million dollar insurance
> umbrella, a
> larger base of people who have some interest.
> If that does not pan out, I will support a new group and see
> if I can bring
> all equipment provided by BOI. I might even get annual grants
> from VOI.
> There is such a close tie to ham radio that I prefer the VOI special
> interest group (BOI).
> Time will tell. I am trying to bring the subject to a head
> at VOI and
> either do it with full support or not.
>
> Doug
>
> How do you all feel?
>
>
> At 07:18 AM 4/23/01 -0600, you wrote:
> >Alright.
> >You're membership number is 2.
> >
> >Paul
> >
> > -----Original Message-----
> > From: Mike Garske [mailto:kc7dpd@...]
> > Sent: Monday, April 23, 2001 3:58 AM
> > To: tvnsp@yahoogroups.com
> > Subject: Re: [tvnsp] Status, 22 Apr

> > >
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> > > Paul,
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> > > I think it would be a great idea to have a separate club for
> > > the balloon
> > > project. I am considering building a capsule myself sometime
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> > > Mike KC7DPD
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> > >
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> > > From: "Paul Verhage" <pverhage@...>
> > > To: "'tvnsp@egroups.com'" <tvnsp@yahoogroups.com>
> > > Sent: Sunday, April 22, 2001 12:55 PM
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> > > >
> > > >
> > > > Your use of Yahoo! Groups is subject to
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293. Re: [tvnsp] Status, 22 Apr

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-23 19:24:22 UTC
From: Stephanie Steele
Topic: 285 Message: 293

I too have mixed emotions about a club. Annual liability insurance for a club through ARRL (there is nothing cheaper that I could ever find) is $325 per year. Insurance to cover club owned equipment (if desired) is another expense and then add to that other necessary expenses of maintaining a club and it would take a number of people willing to pay a rather large membership fee to support it until the membership grew large enough. Then too, you have to be watchful for nazi types that want to take over your club and push their own agenda to the exclusion of other members. There will always be some members in any organization that support you but may be unable or unwilling to participate in activities. It takes considerable effort and some expense to maintain communications with ALL the club's members and when you stop communicating with them you lose them. These are the reasons that many ham clubs fail. I am also fearful that we will lose the wonderful informality that the group now enjoys. The decision to start a club should be made with our eyes wide open!

On the other hand, it forges together a group of people with a common interest and makes possible certain financial benefits that we do not enjoy operating as we do now. From a selfish perspective, I could see more launches so therefore more opportunities for a launch to fall on a day that I could participate. It would also add a perceived "legitimacy" by being an 'official' and legal organization.

So the bottom line for me is, I would support a club but will also continue to support the status quo as the group desires.

Stephanie

Doug Rich wrote:

> I have mixed thought about a club. I am continuing to build support in the
> VOI for a special interest group. There are many advantages doing it this
> way. Some are funding, included in a million dollar insurance umbrella, a
> larger base of people who have some interest.
> If that does not pan out, I will support a new group and see if I can bring
> all equipment provided by BOI. I might even get annual grants from VOI.
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> interest group (BOI).
> Time will tell. I am trying to bring the subject to a head at VOI and
> either do it with full support or not.
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> Doug
>
> How do you all feel?
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> At 07:18 AM 4/23/01 -0600, you wrote:
> >Alright.

> >You're membership number is 2.
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> >Paul
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> > > -----Original Message-----
> > > From: Mike Garske [mailto:kc7dpd@...]
> > > Sent: Monday, April 23, 2001 3:58 AM
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> > > >
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> > > Paul,
> > > >
> > > I think it would be a great idea to have a separate club for
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> > > and a club that concentrated on high altitude balloons would
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> > > Mike KC7DPD
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> > > ----- Original Message -----
> > > From: "Paul Verhage" <pverhage@...>
> > > To: "'tvnsp@egroups.com'" <tvnsp@yahoogroups.com>
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> > > >
> > > >
> > > > The MRF is predicting southwest winds, but weak. So we may
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> > > > from Jordan Valley.
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> > > > At dinner last night I thought of developing a club, like
> > > the ham clubs,
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> > > > the balloon project. I'd like it to get non-profit status
> > > and hope that
> > > > brings in donations for helium. One of the major pushes of
> > > the club is to
> > > > get others to develop near space capsules. Any input?
> > > >
> > > > Paul
> > > >
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294. RE: [tvnsp] Meeting Saturday, 21 Apr

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-24 03:34:30 UTC
From: John Knapp
Topic: 276 Message: 294

When is our next meeting and how did the meeting Saturday go?

Randy, thanks for the help on Saturday, hope you made it back okay. I know the roads were slick. On Sunday, the sun was out and dust on the roads. Go figure.....

JohnK

> -----Original Message-----
> From: Paul Verhage [mailto:pverhage@...]
> Sent: Wednesday, April 18, 2001 7:09 AM
> To: 'tvnsp@yahoogroups.com'
> Subject: RE: [tvnsp] Meeting Saturday, 21 Apr
>
>
> We'll need a radio, antenna cables, antennas, and place to set
> them up, and
> laptops. I think between Randy and me, we have it covered. Can
> anyone else
> think of something I'm missing?
>
> I'll leave some near space capsule stuff, like a balloon (which DCI will
> fill inside the building), parachute, video, pictures, and a poster.
>
> We ought to think about labels. I'd like to get a big one tht
> says Mission
> Control.
>
> Paul
>
> > -----Original Message-----
> > From: Jeff Melanson [mailto:kd7inn@...]
> > Sent: Tuesday, April 17, 2001 10:07 PM
> > To: tvnsp@yahoogroups.com
> > Subject: Re: [tvnsp] Meeting Saturday, 21 Apr
> >
> >
> > Paul & Randy,
> >
> > What else is needed for DCI?
> >
> >
> > Paul Verhage wrote:
> >
> > > I have a meeting on Saturday, but it should let out by noon.
> > >

> > > The next TVNSP meeting is scheduled for Saturday. Let's
> > plan to meet at DCI
> > > at 4:00 pm. We'll need to bring radio and PC gear for
> > mission Control.
> > > I'll bring an HT and laptop for SSTV. Randy will bring
> > gear for APRS.
> > > Randy, can you bring gear for voice? We'll need external
> > antennas. From
> > > mission Control to the outside is proably 50 feet. So
> > we'll need cable runs
> > > that long.
> > >
> > > I'll bring both capsules. Once equipment is set up we'll
> > run the capsules
> > > for 30 minutes as a test.
> > >
> > > After the debugging and documentation, we'll have dinner at
> > Galaxy Dinner.
> > >
> > > Paul
> > >
> > > PS, let me know what you can bring to DCI. We're still
> > looking for more
> > > help for DCI during the flight.
> > >
> > > To unsubscribe from this group, send an email to:
> > > tvnsp-unsubscribe@egroups.com
> > >
> > >
> > >
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>

>

295. RE: [tvnsp] Meeting Saturday, 21 Apr

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-24 13:27:23 UTC
From: Paul Verhage
Topic: 276 Message: 295

> When is our next meeting and how did the meeting Saturday go?

We meet at DCI after work this Friday. I plan to get there around 3:30. The Montana Boys plan to be there around 5:00. I gave them my cell number. The goal is to set up the antennas and mission control. Afterwards we'll have dinner at Texas Roadhouse. Get ready to throw some peanut shells around.

We pretty much figured out what needed to be done, last Saturday. It also let me know that the SSTV system needed some work.

There may be a launch the third week of July in Twin. They're interested in an ATV flight. This one would also act as a practice for the August flight. More as the details come in.

Paul

296. Re: [tvnsp] Meeting Saturday, 21 Apr

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-24 15:23:36 UTC
From: Stephanie Steele
Topic: 276 Message: 296

I'm working on the 21st of July but off on the 28th if the launch can be moved back one week.

Stephanie

Paul Verhage wrote:

> > When is our next meeting and how did the meeting Saturday go?
>
> We meet at DCI after work this Friday. I plan to get there around 3:30.
> The Montana Boys plan to be there around 5:00. I gave them my cell number.
> The goal is to set up the antennas and mission control. Afterwards we'll
> have dinner at Texas Roadhouse. Get ready to throw some peanut shells
> around.
>
> We pretty much figured out what needed to be done, last Saturday. It also
> let me know that the SSTV system needed some work.
>
> There may be a launch the third week of July in Twin. They're interested in
> an ATV flight. This one would also act as a practice for the August flight.
> More as the details come in.
>
> Paul
>
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>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

297. RE: [tvnsp] Meeting Saturday, 21 Apr

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-24 15:39:51 UTC
From: Paul Verhage
Topic: 276 Message: 297

That's an option. We have long enough to plan this launch.

Paul

> -----Original Message-----
> From: Stephanie Steele [mailto:kc7dba@...]
> Sent: Tuesday, April 24, 2001 9:24 AM
> To: tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] Meeting Saturday, 21 Apr
>
>
> I'm working on the 21st of July but off on the 28th if the
> launch can be moved
> back one week.
>
> Stephanie
>
>
>
> Paul Verhage wrote:
>
> > > When is our next meeting and how did the meeting Saturday go?
> >
> > We meet at DCI after work this Friday. I plan to get there
> around 3:30.
> > The Montana Boys plan to be there around 5:00. I gave them
> my cell number.
> > The goal is to set up the antennas and mission control.
> Afterwards we'll
> > have dinner at Texas Roadhouse. Get ready to throw some
> peanut shells
> > around.
> >
> > We pretty much figured out what needed to be done, last
> Saturday. It also
> > let me know that the SSTV system needed some work.
> >
> > There may be a launch the third week of July in Twin.
> They're interested in
> > an ATV flight. This one would also act as a practice for
> the August flight.
> > More as the details come in.
> >
> > Paul
> >

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298. Status, 24 April

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-24 20:04:09 UTC
From: Paul Verhage
Topic: 298 Message: 298

If launched this morning, the capsule would recover seven miles south out Mt Home AFB. The capsule would have only travelled 37 miles.

The NWS is predicting dry skies and mild temperatures for Saturday. However the MRF is predicting winds from the southwest. The longer we wait, the more the winds come out of the south. A low pressure ridge is building behind us, just off the coast. We're also predicted to be on the edge of pretty strong winds in the jetstream. If this doesn't change in the next day or two, we have to launch from Murphy or farther south. How does everyone feel about a launch from Jordan Valley?

After I get back from vacation, I want to get members started on designing experiment modules. I'll design a board for the Basic Stamp that will operate servos, cameras, and analog to digital converters. After you build a capsule, either Doug or I can carry it up on a flight. The design will allow for communication from your module to the command module. I'll also design the board for an EEPROM memory chip, so data can be recorded onboard (your capsule's very own black box). Eventually I'd like to get members to design their own command modules (that's more expensive).

To do this, you'll need to purchase a Basic Stamp. There are three options for you. You can get just a plain BS-2, a BS-2 with programming board, or a BS-2 with a Board of Education (BOE) board. The cheapest is just the BS-2. However you can't program it until the balloon board is made. The programming board will let you practice writing code, but it's wasted once you transfer over to the balloon board. Also, you'll need to purchase a breadboard to play around with electronic designs. The BOE is the most expensive, but it includes everything you need to program the BS-2 and build electronic designs. Take a look at www.parallaxinc.com for more information. As a teacher I get a 15% discount from them. If there's enough interest I recommend we decide on a plan and order the parts in bulk with my discount.

After I design the board we'll need to find a place (basement?) to make the balloon controller and solder them together. I'm thinking this would make a great winter project for the group.

There's an APRS conference this September that I'd like to go to. Stephanie, can you give me the website so I can look up the info? Would anyone be interested in going with me? I'll email the coordinator about setting up a mini-symposium that we can speak at. And if I got it right, SEA-TAC is in June. I'll be gone this June, but would like to go next year. Again, I'm looking for members to go along. You're all getting to be experts, so we can give a great presentation.

Paul "Dude, where's my balloon?" Verhage

299. Re: [tvnsp] Status, 24 April

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-24 21:57:01 UTC
From: Craig Brunson
Topic: 298 Message: 299

----- Original Message -----
From: "Paul Verhage"

> After I get back from vacation, I want to get members started on designing
> experiment modules. I'll design a board for the Basic Stamp that will
> operate servos, cameras, and analog to digital converters. After you
build
> a capsule, either Doug or I can carry it up on a flight. The design will
> allow for communication from your module to the command module.

Paul- I would be interested in your design & capability.

> There's an APRS conference this September that I'd like to go to.
> And if I got it right, SEA-TAC is in June.

SeaPac is June 1, 2, & 3 in Seaside, Oregon. Check out www.seapac.org for
more details.
There will be an exhibit of APRS there by the NWAPRS group.
http://nwaprs.org
NWAPRS had a winter conference up in Longview, Wa. a few months back. The
summer (fall) conference, is September 7, 8, & 9, in North Bend, Wa.

Craig
N7TSZ

300. Re: [tvnsp] Status, 24 April

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-24 22:05:11 UTC
From: Stephanie Steele
Topic: 298 Message: 300

Hi Paul,

The NWAPRS summer gathering will be September 7-9 this year at VaLLLeyCamp near North Bend, Washington. You will need to contact Dave Dobbins (mailto:ddobbins@...) to be put on the program. If you really want to cut through the steep learning curve for APRS this is the place to go. There is information for newbies and old hands alike. You can stay in the beautiful lodge or bring your camper or tent. Full hookups are available. All seminars are held outside in a large open air dining area set amongst the trees. Very beautiful. You can find more information about this event and other NWAPRS events at:

http://www.nwaprs.org/eventslist.htm

The SeaPac Hamvention is June 1-3 this year. Friday's activity is a hands-on antenna building workshop with hamfest and seminars all day Saturday and Sunday until noon. Pre-registration is suggested for the workshop as it has limited seating. More information on SeaPac can be found at:

http://www.seapac.org/

Stephanie

Paul Verhage wrote:

>
> There's an APRS conference this September that I'd like to go to.
> Stephanie, can you give me the website so I can look up the info? Would
> anyone be interested in going with me? I'll email the coordinator about
> setting up a mini-symposium that we can speak at. And if I got it right,
> SEA-TAC is in June. I'll be gone this June, but would like to go next year.
> Again, I'm looking for members to go along. You're all getting to be
> experts, so we can give a great presentation.
>
> Paul "Dude, where's my balloon?" Verhage

301. RE: [tvnsp] Status, 24 April

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-24 23:50:03 UTC
From: John Knapp
Topic: 298 Message: 301

I came up with about 42degrees 52 min N and 115 deg 49 min W. for this afternoon's readings. This puts it SW of Bruneau about 4 miles. I came up with about the same thing this morning but further east. I have a flight distance of 44 miles. Am using 80,000 burst height and am using Murphy as the launch point. The ascent rate is 700 fps and descent is 1200 fpm (this from the last launch). Anyone else getting the same or am I way off base?

What is the lat/long for the Jordan launch point and what time are we looking at if from Jordan?

JohnK

> -----Original Message-----
> From: Paul Verhage [mailto:pverhage@...]
> Sent: Tuesday, April 24, 2001 2:04 PM
> To: 'tvnsp@egroups.com'
> Subject: [tvnsp] Status, 24 April
>
>
> If launched this morning, the capsule would recover seven miles
> south out Mt
> Home AFB. The capsule would have only travelled 37 miles.
>
> The NWS is predicting dry skies and mild temperatures for
> Saturday. However
> the MRF is predicting winds from the southwest. The longer we wait, the
> more the winds come out of the south. A low pressure ridge is building
> behind us, just off the coast. We're also predicted to be on the edge of
> pretty strong winds in the jetstream. If this doesn't change in the next
> day or two, we have to launch from Murphy or farther south. How does
> everyone feel about a launch from Jordan Valley?
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> After I get back from vacation, I want to get members started on designing
> experiment modules. I'll design a board for the Basic Stamp that will
> operate servos, cameras, and analog to digital converters. After
> you build
> a capsule, either Doug or I can carry it up on a flight. The design will
> allow for communication from your module to the command module. I'll also
> design the board for an EEPROM memory chip, so data can be
> recorded onboard
> (your capsule's very own black box). Eventually I'd like to get
> members to
> design their own command modules (that's more expensive).
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> To do this, you'll need to purchase a Basic Stamp. There are
> three options

> for you. You can get just a plain BS-2, a BS-2 with programming
> board, or a
> BS-2 with a Board of Education (BOE) board. The cheapest is just
> the BS-2.
> However you can't program it until the balloon board is made. The
> programming board will let you practice writing code, but it's wasted once
> you transfer over to the balloon board. Also, you'll need to purchase a
> breadboard to play around with electronic designs. The BOE is the most
> expensive, but it includes everything you need to program the
> BS-2 and build
> electronic designs. Take a look at www.parallaxinc.com for more
> information. As a teacher I get a 15% discount from them. If there's
> enough interest I recommend we decide on a plan and order the
> parts in bulk
> with my discount.
>
> After I design the board we'll need to find a place (basement?)
> to make the
> balloon controller and solder them together. I'm thinking this
> would make a
> great winter project for the group.
>
> There's an APRS conference this September that I'd like to go to.
> Stephanie, can you give me the website so I can look up the info? Would
> anyone be interested in going with me? I'll email the coordinator about
> setting up a mini-symposium that we can speak at. And if I got it right,
> SEA-TAC is in June. I'll be gone this June, but would like to go
> next year.
> Again, I'm looking for members to go along. You're all getting to be
> experts, so we can give a great presentation.
>
> Paul "Dude, where's my balloon?" Verhage
>
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>
>
>
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>
>
>

302. Re: Meeting Saturday, 21 Apr

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-25 03:44:04 UTC
From: k7jps@arrl.net
Topic: 276 Message: 302

--- In tvnsp@y..., Paul Verhage <pverhage@s...> wrote:
>We meet at DCI after work this Friday. I plan to get there around
>3:30. The Montana Boys plan to be there around 5:00. I gave them my
>cell number. The goal is to set up the antennas and mission control.

I was able to get 5 barrel connectors to connect the coax together,
I'll bring them on Friday. I also heard tonight that there will be
some ham's working the March of Dime's run in Boise on Saturday
morning and they are using 146.52 for comm. so we may want to choose a
different simplex frequency if we get out of range of the .24
repeater.

John Stone
K7JPS

303. Status, 23 Apr

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-25 13:35:23 UTC
From: Paul Verhage
Topic: 303 Message: 303

If launched this morning from Jordan Valley, the capsule would land between Mt Home AFB and Jordan Valley. The lat and long for Jordan Valley is 43 deg N, 117.1 deg W. I'll try to pin down more accurate measurements later this morning. In the next 24 hours the winds will begin coming out of the southwest and picking up speed. If we launch at Jordan Valley, we'll put the capsule down in the valley. I recommend we make the 1.5 hour trip to J.V. and launch from there. If we launch from Murphy, then we save time going to the launch site, but lose time during recovery. at least from J.V. we'll be near to home at landing.

With a launch at 9:30, we need to be filling by 8:30. That means we need to arrive by 8:00 am. And that implies we must leave by 6:30 am. I recommend we meet at the Hamfest and carpool out from there. From I-84, you can get on highway 55 at exit 35 and go north to Karcher. Go west on Karcher as it zig zags though town until you get to Marsing. from there take highway 95 south to J.V.

I'll contact a truck station there, that Stephanie has talked to. we may be able to fill the balloon indoors.

The weather is still predicted to be nice the day of launch.

Paul

304. Re: [tvnsp] Status, 23 Apr

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-25 13:45:07 UTC
From: Stephanie Steele
Topic: 303 Message: 304

Hi Paul,

Just a note, Basque Station is where the Oregon State Highway shop is and it is much farther south than Jordan Valley.

Stephanie

Paul Verhage wrote:

> If launched this morning from Jordan Valley, the capsule would land between
> Mt Home AFB and Jordan Valley. The lat and long for Jordan Valley is 43 deg
> N, 117.1 deg W. I'll try to pin down more accurate measurements later this
> morning. In the next 24 hours the winds will begin coming out of the
> southwest and picking up speed. If we launch at Jordan Valley, we'll put
> the capsule down in the valley. I recommend we make the 1.5 hour trip to
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> on highway 55 at exit 35 and go north to Karcher. Go west on Karcher as it
> zig zags though town until you get to Marsing. from there take highway 95
> south to J.V.
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> I'll contact a truck station there, that Stephanie has talked to. we may be
> able to fill the balloon indoors.
>
> The weather is still predicted to be nice the day of launch.
>
> Paul
>
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>
>
>
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305. Status, 23 Apr, pt2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-25 20:40:09 UTC
From: Paul Verhage
Topic: 305 Message: 305

Looking at the MRF for 60 hours from now, the isobars are widening, so winds aloft are lowering in speed.

We need to find a place to launch from. I've only been to Jordan Valley once. Is anyone familiar with the place?

I've contacted the FAA about the launch. I'll update them as soon as we have a launch site located.

I'll pick up helium this afternoon.

I also have a video tape from Mark Conner. I'll show it at Friday's meeting at DCI.

Paul

306. Re: [tvnsp] Status, 23 Apr, pt2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-25 21:48:08 UTC
From: Stephanie Steele
Topic: 305 Message: 306

Hi Paul,

Jordan Valley is a little tiny bit of nothing in the middle of nothing. There is a small air strip just west of town located at N42 58.812 / W117 04.635 and there are miles of nothing surround the town in all directions. I don't know of an exact location but it would be similar to finding a launch site in the Murphy area. Here are some possible launch sites in the area and distances from Jordan Valley.

Rome Service Airstrip N42 49.829 / W117 37.714 33 miles
Crooked Creek Rest Area N42 47.933 / W117 44.814 38 miles
Burns Junction N42 46.497 / W117 51.044 44
miles
Rome State Airstrip N42 35.029 / W117 52.638 58 miles

Basque Station Highway Shop N42 24.635 / W117 51.767 70 miles

Hope this is helpful. There are probably a hundred other possible launch sites in the area. I hesitate to recommend any others as I have not been involved in a launch and am not sure of all the considerations.

Stephanie

Paul Verhage wrote:

> Looking at the MRF for 60 hours from now, the isobars are widening, so winds
> aloft are lowering in speed.
>
> We need to find a place to launch from. I've only been to Jordan Valley
> once. Is anyone familiar with the place?
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> I've contacted the FAA about the launch. I'll update them as soon as we
> have a launch site located.
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> I'll pick up helium this afternoon.
>
> I also have a video tape from Mark Conner. I'll show it at Friday's meeting
> at DCI.
>
> Paul
>
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307. RE: [tvnsp] Status, 23 Apr, pt2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-26 00:15:43 UTC
From: John Knapp
Topic: 305 Message: 307

Paul, did you get my email this morning? It looked to me the isobars were getting closer but maybe you were looking at a newer version of the MRF.

As to the launch, I believed we wanted to wait to launch until after the DCI opens. We were talking about 10:00am. We also need to ensure we have communications with DCI from Jordan Valley. Will the 147.20 or the 147.24 repeated reach from there? Any other repeaters we could use from there?

JohnK

> -----Original Message-----
> From: Paul Verhage [mailto:pverhage@...]
> Sent: Wednesday, April 25, 2001 2:40 PM
> To: 'tvnsp@egroups.com'
> Subject: [tvnsp] Status, 23 Apr, pt2
>
>
> Looking at the MRF for 60 hours from now, the isobars are
> widening, so winds
> aloft are lowering in speed.
>
> We need to find a place to launch from. I've only been to Jordan Valley
> once. Is anyone familiar with the place?
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> have a launch site located.
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> I also have a video tape from Mark Conner. I'll show it at
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308. Re: [tvnsp] Status, 24 April

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-26 03:17:10 UTC
From: Jeff Melanson
Topic: 298 Message: 308

Paul,

I think the burst was expected to be 85,000 ft. You said we would fill with
3 lbs of positive lift this time. Should our ascent rate be 1000 fpm?

John,

Using Street Atlas I picked a spot in Jordan Valley and the lat/lon is
42.97408 -117.0542 in decimal format. I also thought the isobars were slightly
closer. I wonder if Jordan Valley will be good launch point. It depends on what
the weather does. If the balloon wants to go more toward the east then there may
not be good roads to follow. Anybody know this area? Sounds like Stephanie does.
Perhaps after that last hike up the mountain this group can go anywhere! Or not!
I hope Murphy works out as a good launch point. We'll have to see what the
weather brings.

Jeff Melanson
KD7INN

John Knapp wrote:

> I came up with about 42degrees 52 min N and 115 deg 49 min W. for this
> afternoon's readings. This puts it SW of Bruneau about 4 miles. I came up
> with about the same thing this morning but further east. I have a flight
> distance of 44 miles. Am using 80,000 burst height and am using Murphy as
> the launch point. The ascent rate is 700 fps and descent is 1200 fpm (this
> from the last launch). Anyone else getting the same or am I way off base?
>
> What is the lat/long for the Jordan launch point and what time are we
> looking at if from Jordan?
>
> JohnK
>
> > -----Original Message-----
> > From: Paul Verhage [mailto:pverhage@...]
> > Sent: Tuesday, April 24, 2001 2:04 PM
> > To: 'tvnsp@egroups.com'
> > Subject: [tvnsp] Status, 24 April
> >
> >
> > If launched this morning, the capsule would recover seven miles
> > south out Mt
> > Home AFB. The capsule would have only travelled 37 miles.
> >
> > The NWS is predicting dry skies and mild temperatures for
> > Saturday. However

> > the MRF is predicting winds from the southwest. The longer we wait, the
> > more the winds come out of the south. A low pressure ridge is building
> > behind us, just off the coast. We're also predicted to be on the edge of
> > pretty strong winds in the jetstream. If this doesn't change in the next
> > day or two, we have to launch from Murphy or farther south. How does
> > everyone feel about a launch from Jordan Valley?
> >
> > After I get back from vacation, I want to get members started on designing
> > experiment modules. I'll design a board for the Basic Stamp that will
> > operate servos, cameras, and analog to digital converters. After
> > you build
> > a capsule, either Doug or I can carry it up on a flight. The design will
> > allow for communication from your module to the command module. I'll also
> > design the board for an EEPROM memory chip, so data can be
> > recorded onboard
> > (your capsule's very own black box). Eventually I'd like to get
> > members to
> > design their own command modules (that's more expensive).
> >
> > To do this, you'll need to purchase a Basic Stamp. There are
> > three options
> > for you. You can get just a plain BS-2, a BS-2 with programming
> > board, or a
> > BS-2 with a Board of Education (BOE) board. The cheapest is just
> > the BS-2.
> > However you can't program it until the balloon board is made. The
> > programming board will let you practice writing code, but it's wasted once
> > you transfer over to the balloon board. Also, you'll need to purchase a
> > breadboard to play around with electronic designs. The BOE is the most
> > expensive, but it includes everything you need to program the
> > BS-2 and build
> > electronic designs. Take a look at www.parallaxinc.com for more
> > information. As a teacher I get a 15% discount from them. If there's
> > enough interest I recommend we decide on a plan and order the
> > parts in bulk
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> > After I design the board we'll need to find a place (basement?)
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> > There's an APRS conference this September that I'd like to go to.
> > Stephanie, can you give me the website so I can look up the info? Would
> > anyone be interested in going with me? I'll email the coordinator about
> > setting up a mini-symposium that we can speak at. And if I got it right,
> > SEA-TAC is in June. I'll be gone this June, but would like to go
> > next year.
> > Again, I'm looking for members to go along. You're all getting to be

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309. RE: [tvnsp] Status, 24 April

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-26 03:27:07 UTC
From: John Knapp
Topic: 298 Message: 309

There are roads (some) in Owhyee county but I have never been on them. If we land in a canyon we could have a major issue on our hands. However, I agree with Paul on the isobars. This evenings MFR show the isobars spreading out, totally different than this morning. I will use one of the points tomorrow morning to see where we would land. I do believe there is a major change on the way and Saturday morning could wind up being a guess like the last launch was. Remember, we were predicting a landing in the Mt. Home area. And where did we land?

Oh well, that is the joy of this ......

JohnK

> -----Original Message-----
> From: Jeff Melanson [mailto:kd7inn@...]
> Sent: Wednesday, April 25, 2001 9:17 PM
> To: tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] Status, 24 April
>
>
> Paul,
>
> I think the burst was expected to be 85,000 ft. You said we
> would fill with
> 3 lbs of positive lift this time. Should our ascent rate be 1000 fpm?
>
> John,
>
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> Stephanie does.
> Perhaps after that last hike up the mountain this group can go
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> I hope Murphy works out as a good launch point. We'll have to see what the
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> Jeff Melanson
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> John Knapp wrote:

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> > distance of 44 miles. Am using 80,000 burst height and am using
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> off base?
> >
> > What is the lat/long for the Jordan launch point and what time are we
> > looking at if from Jordan?
> >
> > JohnK
> >
> > > -----Original Message-----
> > > From: Paul Verhage [mailto:pverhage@...]
> > > Sent: Tuesday, April 24, 2001 2:04 PM
> > > To: 'tvnsp@egroups.com'
> > > Subject: [tvnsp] Status, 24 April
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> > >
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> module. I'll also

> > > design the board for an EEPROM memory chip, so data can be
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> > > (your capsule's very own black box). Eventually I'd like to get
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> > > Paul "Dude, where's my balloon?" Verhage
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310. URL for MRF soundings

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-26 03:29:54 UTC
From: Mark Conner
Topic: 310 Message: 310

http://www.arl.noaa.gov/ready-bin/profsrc.pl?metdata=MRF+191+km

Enter the 3-letter ICAO at the top, or the lat/lon at the bottom. On the
next page, select the time you want the forecast for and then the "request
plot" button (leave the rest as defaults). When you get the skew-T display,
you can then select the hyperlink above the graphic and see the text values.
If you save this file, you can import it into Balloon Track for forecasts.

Within 72 hours, you should use the AVN or Eta models at the main page.

73 de Mark N9XTN

Mark D. Conner
E-mail: mconner@... n9xtn@...
Homepage: http://members.home.net/mconner1
"Arrogance and stupidity, all in the same package.....how efficient
of you!" - Ambassador Londo Mollari, Babylon 5

311. Re: [tvnsp] URL for MRF soundings

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-26 04:47:20 UTC
From: Mike Garske
Topic: 310 Message: 311

Can I get a quick lesson on how to use Balloon Track. I am having difficulty trying to run a prediction. It has been awhile since I have done one when I first got the program, and I forgot how to set it up correctly. Thanks!

Mike KC7DPD

----- Original Message -----
From: "Mark Conner" <mconner1@...>
To: "TVNSP List" <tvnsp@yahoogroups.com>
Cc: "KNSP" <KNSP@yahoogroups.com>
Sent: Wednesday, April 25, 2001 9:29 PM
Subject: [tvnsp] URL for MRF soundings

> http://www.arl.noaa.gov/ready-bin/profsrc.pl?metdata=MRF+191+km
>
> Enter the 3-letter ICAO at the top, or the lat/lon at the bottom. On the
> next page, select the time you want the forecast for and then the "request
> plot" button (leave the rest as defaults). When you get the skew-T display,
> you can then select the hyperlink above the graphic and see the text values.
> If you save this file, you can import it into Balloon Track for forecasts.
>
> Within 72 hours, you should use the AVN or Eta models at the main page.
>
> 73 de Mark N9XTN
>
> ------
> Mark D. Conner
> E-mail: mconner@... n9xtn@...
> Homepage: http://members.home.net/mconner1
> "Arrogance and stupidity, all in the same package.....how efficient
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>

312. Re: [tvnsp] URL for MRF soundings

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-26 05:48:08 UTC
From: Jeff Melanson
Topic: 310 Message: 312

Mike,

First go to the TVNSP web site http://www.the-one.com/tvnsp/ . Then click on TVNSP Procedures. Next click on Predicting Near Space Flights. Read the section on Balloon Tracking Software near the bottom. The rest of this assumes you have imported the data to Balloon Track.

Select setup. You should be on the Flight Data tab.
Enter vertical rates. Use 1000 for ascent and 1200 for descent unless Paul tells us otherwise.
Enter burst altitude of 85000 ft. Make sure the Use Burst box is checked.
In the Select Mode box, select Burst.
In the Range and Bearing Computations the first item should be selected.
Measurement system should be Imperial.
Next select the Location Data tab.
Click on Select New Launch Site.
Click on Add New.
You will be at the Add New menu.
For Site Name enter Jordan Valley.
For Latitude enter 42.97408
For Longitude enter -117.0542 Don't forget the minus sign.
For Altitude I chose 2800. I don't know the actual altitude.
Click on Add Site.
You will be back at the Select Launch Site Menu.
Use the Site Name pull down menu to select Jordan Valley.
Click on Activate.
You will be back at the Location Data Tab with the Jordan Valley info filled in.

Click on Save to Default Config File or Close use these settings.
You will be back on the Main Page.
Select View Track to see a plot of the beating and range.
You can export this file to Street Atlas and it will plot the path of the balloon from Jordan Valley.
Next Step - Play with the program.

Hope this helps.
Jeff Melanson
KD7INN

Mike Garske wrote:

> Can I get a quick lesson on how to use Balloon Track. I am having difficulty
> trying to run a prediction. It has been awhile since I have done one when I
> first got the program, and I forgot how to set it up correctly. Thanks!
>
> Mike KC7DPD

>
> ----- Original Message -----
> From: "Mark Conner" <mconner1@...>
> To: "TVNSP List" <tvnsp@yahoogroups.com>
> Cc: "KNSP" <KNSP@yahoogroups.com>
> Sent: Wednesday, April 25, 2001 9:29 PM
> Subject: [tvnsp] URL for MRF soundings
>
> > http://www.arl.noaa.gov/ready-bin/profsrc.pl?metdata=MRF+191+km
> >
> > Enter the 3-letter ICAO at the top, or the lat/lon at the bottom. On the
> > next page, select the time you want the forecast for and then the "request
> > plot" button (leave the rest as defaults). When you get the skew-T
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> > Within 72 hours, you should use the AVN or Eta models at the main page.
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> > 73 de Mark N9XTN
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> > Mark D. Conner
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313. Re: [tvnsp] URL for MRF soundings

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-26 08:49:56 UTC
From: Mike Garske
Topic: 310 Message: 313

Thanks Jeff!
----- Original Message -----
From: "Jeff Melanson" <kd7inn@...>
To: <tvnsp@yahoogroups.com>
Sent: Wednesday, April 25, 2001 11:48 PM
Subject: Re: [tvnsp] URL for MRF soundings

> Mike,
>
> First go to the TVNSP web site http://www.the-one.com/tvnsp/ . Then
click on
> TVNSP Procedures. Next click on Predicting Near Space Flights. Read the
section
> on Balloon Tracking Software near the bottom. The rest of this assumes you
have
> imported the data to Balloon Track.
>
> Select setup. You should be on the Flight Data tab.
> Enter vertical rates. Use 1000 for ascent and 1200 for descent unless Paul
tells
> us otherwise.
> Enter burst altitude of 85000 ft. Make sure the Use Burst box is checked.
> In the Select Mode box, select Burst.
> In the Range and Bearing Computations the first item should be selected.
> Measurement system should be Imperial.
> Next select the Location Data tab.
> Click on Select New Launch Site.
> Click on Add New.
> You will be at the Add New menu.
> For Site Name enter Jordan Valley.
> For Latitude enter 42.97408
> For Longitude enter -117.0542 Don't forget the minus sign.
> For Altitude I chose 2800. I don't know the actual altitude.
> Click on Add Site.
> You will be back at the Select Launch Site Menu.
> Use the Site Name pull down menu to select Jordan Valley.
> Click on Activate.
> You will be back at the Location Data Tab with the Jordan Valley info
filled in.
>
> Click on Save to Default Config File or Close use these settings.
> You will be back on the Main Page.
> Select View Track to see a plot of the beating and range.
> You can export this file to Street Atlas and it will plot the path of the
> balloon from Jordan Valley.

> Next Step - Play with the program.
>
> Hope this helps.
> Jeff Melanson
> KD7INN
>
>
> Mike Garske wrote:
>
> > Can I get a quick lesson on how to use Balloon Track. I am having
difficulty
> > trying to run a prediction. It has been awhile since I have done one
when I
> > first got the program, and I forgot how to set it up correctly. Thanks!
> >
> > Mike KC7DPD
> >
> > ----- Original Message -----
> > From: "Mark Conner" <mconner1@...>
> > To: "TVNSP List" <tvnsp@yahoogroups.com>
> > Cc: "KNSP" <KNSP@yahoogroups.com>
> > Sent: Wednesday, April 25, 2001 9:29 PM
> > Subject: [tvnsp] URL for MRF soundings
> >
> > > http://www.arl.noaa.gov/ready-bin/profsrc.pl?metdata=MRF+191+km
> > >
> > > Enter the 3-letter ICAO at the top, or the lat/lon at the bottom. On
the
> > > next page, select the time you want the forecast for and then the
"request
> > > plot" button (leave the rest as defaults). When you get the skew-T
> > display,
> > > you can then select the hyperlink above the graphic and see the text
> > values.
> > > If you save this file, you can import it into Balloon Track for
forecasts.
> > >
> > > Within 72 hours, you should use the AVN or Eta models at the main
page.
> > >
> > > 73 de Mark N9XTN
> > >
> > > ------
> > > Mark D. Conner
> > > E-mail: mconner@... n9xtn@...
> > > Homepage: http://members.home.net/mconner1
> > > "Arrogance and stupidity, all in the same package.....how efficient
> > > of you!" - Ambassador Londo Mollari, Babylon 5
> > >
> > >

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>

314. Status, 26 April

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-26 13:21:03 UTC
From: Paul Verhage
Topic: 314 Message: 314

If launched this morning, the capsule sould set down between J.V and Mt Hopme AFB, south of Nampa. Looking at the isobars, I can see we're getting close to some narrow ones, implying high wind speeds aloft. I felt that yesterday, it looked like the predicted isobars had widened from the previous day, but it doesn't look like that at all now.

Over the next 12 hours the isobars and winds aloft should begin steering towards the northeast. It look like that is beginning now, as the predicted landing point is at 81 degrees, or just north of east.

So by the time we launch, we should expect the predicted landing position to extend and go farther north. If we double the balloon's range and aim it at a heading of 45 degrees, then I think we're looking at a landing site close to Boise. What do you think? The surrent range is estimated to be 34 miles.

I don't want to travel much farther than J.V for this launch, but if we go a little farther south, that will help to ensure the landing site stays in the valley. Now if we could arrange for the capsule to recover in the parking lot of DCI, I'll buy lunch.

Since we're launching after sunrise, we proably shouldn't launch at J.V.'s airport. How about a park or trailhead?

For this flight, I'm using an ascent rate of 1000 ft/min, since we're going to give the balloon 3 ppl. Since the balloon is a 1200 grammer, use a predicted altitude of 90,000 feet. With the extra lift it will lower a bit, but still use 90,000 feet as a worst case scenario.

Tomorrow's prediction should give us a good idea of where we'll recover.

I picked up the helium and had them gauge the tanks. The new tank is at 2500 PSI. Our old tank is at 1500 PSI. Last flight we used approximately 3500 PSI of helium, so we have enough for this flight. We're basically going to bleed the tanks dry.

We need to decide were to meet and when. I'd like to launch bu 9:30, which is a little time before DCI opens. If the surface winds aren't a problem, we can try for a 10:00 am launch. The longer we wait, the greater our chances of having high surface winds. Look outside at 10:00 today. what do the winds look like?

Paul

315. Re: [tvnsp] Status, 26 April

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-26 13:56:53 UTC
From: Stephanie Steele
Topic: 314 Message: 315

There should be little to no problem with launching at JV airstrip as it is infrequently used but there will be a number of other places nearby to launch also. The other airstrips I listed are hardly ever used.

Stephanie

Paul Verhage wrote:

> If launched this morning, the capsule sould set down between J.V and Mt
> Hopme AFB, south of Nampa. Looking at the isobars, I can see we're getting
> close to some narrow ones, implying high wind speeds aloft. I felt that
> yesterday, it looked like the predicted isobars had widened from the
> previous day, but it doesn't look like that at all now.
>
> Over the next 12 hours the isobars and winds aloft should begin steering
> towards the northeast. It look like that is beginning now, as the predicted
> landing point is at 81 degrees, or just north of east.
>
> So by the time we launch, we should expect the predicted landing position to
> extend and go farther north. If we double the balloon's range and aim it at
> a heading of 45 degrees, then I think we're looking at a landing site close
> to Boise. What do you think? The surrent range is estimated to be 34
> miles.
>
> I don't want to travel much farther than J.V for this launch, but if we go a
> little farther south, that will help to ensure the landing site stays in the
> valley. Now if we could arrange for the capsule to recover in the parking
> lot of DCI, I'll buy lunch.
>
> Since we're launching after sunrise, we proably shouldn't launch at J.V.'s
> airport. How about a park or trailhead?
>
> For this flight, I'm using an ascent rate of 1000 ft/min, since we're going
> to give the balloon 3 ppl. Since the balloon is a 1200 grammer, use a
> predicted altitude of 90,000 feet. With the extra lift it will lower a bit,
> but still use 90,000 feet as a worst case scenario.
>
> Tomorrow's prediction should give us a good idea of where we'll recover.
>
> I picked up the helium and had them gauge the tanks. The new tank is at
> 2500 PSI. Our old tank is at 1500 PSI. Last flight we used approximately
> 3500 PSI of helium, so we have enough for this flight. We're basically
> going to bleed the tanks dry.
>
> We need to decide were to meet and when. I'd like to launch bu 9:30, which
> is a little time before DCI opens. If the surface winds aren't a problem,

> we can try for a 10:00 am launch. The longer we wait, the greater our
> chances of having high surface winds. Look outside at 10:00 today. what do
> the winds look like?
>
> Paul
>
>
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316. NWAPRS Gathering

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-26 19:44:49 UTC
From: Paul Verhage
Topic: 316 Message: 316

Stepanie notified me that NWAPRS has a conference from September 7 - 9 (Friday to Sunday). I plan to attend and discuss balloons. So I emailed Dave Dobbins and was given an invite. Is anyone interested in attending with me? I'd like to have a TVNSP presence. Just like the St. Joe hamfest I use to attend, I'd like to have several experienced people speak. So how about it?

Paul

317. Status, 26 Apr, pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-26 20:03:13 UTC
From: Paul Verhage
Topic: 317 Message: 317

The turn to the north is in force. Winds aloft from this mornings launch put the capsule down some 30 miles south of Nampa, if the capsule was launched from J.V. Looking at the 36 hour forecast, it looks like the landing site will be a little farther north, but not much farther away. This may be a relatively easy recovery. I'll run wind reports that Mark dicussed this morning.

We need to meet at the hamfest before taking off to J.V. Plan to be ready to leave the hamfest by 6:30 am. Don't forget we'll meet at DCI tomorrow to set up. I'll be there by 3:30. The Montana Boys (sounds like a gang, doesn't it) plan to be there also. We'll hang around wating for them, if necessary. They have my cell phone number.

Paul

318. Status, 26 Apr, Pt 3

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-26 20:31:50 UTC
From: Paul Verhage
Topic: 318 Message: 318

Running a MRF for Saturday shows 120 mile/hr winds. The Unisys site however shows we'll be outside the jetstream. Mark, can you take a look at this. Did I do something wrong? The NOAA site displays the winds in meters/second. So I multiplied them by 5 to get a rough speed in miles/hr. (3.28 feet/meter and 1.5 to convert feet/sec to mph).

If the NOAA site is correct, then the capsule will land near Stanely. That's a definite no-no.

Paul

319. Re: [tvnsp] Status, 26 Apr, pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-26 20:33:40 UTC
From: Stephanie Steele
Topic: 317 Message: 319

Please post the address and directions to the hamfest. Thanks!

Stephanie

Paul Verhage wrote:

> The turn to the north is in force. Winds aloft from this mornings launch
> put the capsule down some 30 miles south of Nampa, if the capsule was
> launched from J.V. Looking at the 36 hour forecast, it looks like the
> landing site will be a little farther north, but not much farther away.
> This may be a relatively easy recovery. I'll run wind reports that Mark
> dicussed this morning.
>
> We need to meet at the hamfest before taking off to J.V. Plan to be ready
> to leave the hamfest by 6:30 am. Don't forget we'll meet at DCI tomorrow to
> set up. I'll be there by 3:30. The Montana Boys (sounds like a gang,
> doesn't it) plan to be there also. We'll hang around wating for them, if
> necessary. They have my cell phone number.
>
> Paul
>
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320. RE: [tvnsp] Status, 26 Apr, Pt 3

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-26 20:34:29 UTC
From: Paul Verhage
Topic: 318 Message: 320

Oops, I mean 165 mph winds

> Running a MRF for Saturday shows 120 mile/hr winds. The
> Unisys site however
> shows we'll be outside the jetstream. Mark, can you take a
> look at this.
> Did I do something wrong? The NOAA site displays the winds in
> meters/second. So I multiplied them by 5 to get a rough
> speed in miles/hr.
> (3.28 feet/meter and 1.5 to convert feet/sec to mph).
>
> If the NOAA site is correct, then the capsule will land near Stanely.
> That's a definite no-no.
>
> Paul
>
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321. RE: [tvnsp] Status, 26 Apr, pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-26 20:37:33 UTC
From: Paul Verhage
Topic: 317 Message: 321

I've lost the directions also. Can someone email them again?

Thanks,
Paul

> -----Original Message-----
> From: Stephanie Steele [mailto:kc7dba@...]
> Sent: Thursday, April 26, 2001 2:34 PM
> To: tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] Status, 26 Apr, pt 2
>
>
> Please post the address and directions to the hamfest. Thanks!
>
> Stephanie
>
>
>
> Paul Verhage wrote:
>
> > The turn to the north is in force. Winds aloft from this
> mornings launch
> > put the capsule down some 30 miles south of Nampa, if the
> capsule was
> > launched from J.V. Looking at the 36 hour forecast, it
> looks like the
> > landing site will be a little farther north, but not much
> farther away.
> > This may be a relatively easy recovery. I'll run wind
> reports that Mark
> > dicussed this morning.
> >
> > We need to meet at the hamfest before taking off to J.V.
> Plan to be ready
> > to leave the hamfest by 6:30 am. Don't forget we'll meet
> at DCI tomorrow to
> > set up. I'll be there by 3:30. The Montana Boys (sounds
> like a gang,
> > doesn't it) plan to be there also. We'll hang around
> wating for them, if
> > necessary. They have my cell phone number.
> >
> > Paul
> >
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322. FW: [tvnsp] Status, 26 Apr, Pt 3

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-26 20:46:05 UTC
From: Paul Verhage
Topic: 322 Message: 322

I don't have the proto set properly on the modem. Doug, did you pass on the packets from the last flight? can we arrange for that to happen again?

Paul

> Paul-
> Greetings from Hillsboro, Oregon. Will Saturday's balloon still have
> KD4STH-11 as the call sign? I followed the 24 March flight via the
> internet. What is the path set for? relay, wide 3-3? or
> something there
> abouts? I was unable to see it, or anything from the
> treasure valley via
> rf, because of the rollback of the settings, area wide.
>
> I will try to watch for it on the internet, & via rf.

323. Re: FW: [tvnsp] Status, 26 Apr, Pt 3

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-26 22:46:09 UTC
From: Conner, Mark
Topic: 322 Message: 323

I would not recommend a RELAY,WIDE3-3 setting for any airborne APRS setup. You'll QRM a five-state area because nearly every station in the footprint will try to resend the packet at least once. At most, I would enter a single WIDE, especially with a payload that sends out a lot of packets. That may help marginal home stations see the balloon traffic. It may also help with recovery as a well-placed digipeater might hear a packet the chase team may not.

However, the QRM problem is still there, albeit reduced, because the WIDE may be digipeating one packet at the same time the payload is transmitting the next. If the station is question can hear both stations, it probably won't decode either one.

For NSTAR, I used a single WIDE for the unproto setting for the 00-A flight because the demo station in Lincoln did not have a decent antenna but could hear the WIDE digi in town. For subsequent flights I have not used RELAY or WIDE in the path.

73 de Mark N9XTN

----- Original Message -----
From: Paul Verhage <pverhage@...>
Date: Thursday, April 26, 2001 8:46 pm
Subject: FW: [tvnsp] Status, 26 Apr, Pt 3

> I don't have the proto set properly on the modem. Doug, did you
> pass on the
> packets from the last flight? can we arrange for that to happen
> again?
> Paul
>
> > Paul-
> > Greetings from Hillsboro, Oregon. Will Saturday's balloon still
> have> KD4STH-11 as the call sign? I followed the 24 March flight
> via the
> > internet. What is the path set for? relay, wide 3-3? or
> > something there
> > abouts? I was unable to see it, or anything from the
> > treasure valley via
> > rf, because of the rollback of the settings, area wide.
> >
> > I will try to watch for it on the internet, & via rf.
>

324. Re: FW: [tvnsp] Status, 26 Apr, Pt 3

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-27 02:07:42 UTC
From: Stephanie Steele
Topic: 322 Message: 324

Just an observation concerning using WIDE. A single WIDE will cause more QRM than a WIDE1-1 due to every digi that hears it or it's digipeated report repeating it over and over and over and over. A single RELAY command will cause the same problem. The correct path for a balloon would be no path (as it is now) which will not digi anywhere or, IMHO, a WideN-N with a maximum number of hops of 3. All NWAPRS digis support the WideN-N and will only digi the report once. Use of RELAY or WIDE in the path would be a real mess. 73

Stephanie

"Conner, Mark" wrote:

> I would not recommend a RELAY,WIDE3-3 setting for any airborne APRS
> setup. You'll QRM a five-state area because nearly every station in the
> footprint will try to resend the packet at least once. At most, I would
> enter a single WIDE, especially with a payload that sends out a lot of
> packets. That may help marginal home stations see the balloon traffic.
> It may also help with recovery as a well-placed digipeater might hear a
> packet the chase team may not.
>
> However, the QRM problem is still there, albeit reduced, because the
> WIDE may be digipeating one packet at the same time the payload is
> transmitting the next. If the station is question can hear both
> stations, it probably won't decode either one.
>
> For NSTAR, I used a single WIDE for the unproto setting for the 00-A
> flight because the demo station in Lincoln did not have a decent antenna
> but could hear the WIDE digi in town. For subsequent flights I have not
> used RELAY or WIDE in the path.
>
> 73 de Mark N9XTN
>
> ----- Original Message -----
> From: Paul Verhage <pverhage@...>
> Date: Thursday, April 26, 2001 8:46 pm
> Subject: FW: [tvnsp] Status, 26 Apr, Pt 3
>
> > I don't have the proto set properly on the modem. Doug, did you
> > pass on the
> > packets from the last flight? can we arrange for that to happen
> > again?
> > Paul
> >
> > > Paul-
> > > Greetings from Hillsboro, Oregon. Will Saturday's balloon still
> > have> KD4STH-11 as the call sign? I followed the 24 March flight

> > via the
> > > internet. What is the path set for? relay, wide 3-3? or
> > > something there
> > > abouts? I was unable to see it, or anything from the
> > > treasure valley via
> > > rf, because of the rollback of the settings, area wide.
> > >
> > > I will try to watch for it on the internet, & via rf.
> >
>
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325. Re: Status, 26 Apr, pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-27 03:30:06 UTC
From: k7jps@arrl.net
Topic: 317 Message: 325

The Hamfest is at the Vallivue Middle School south of Caldwell.

Coming from the west on I-84 take the 10th Street Exit (#28) and turn right. Go south about 5 miles, the school is near the top of the hill on the left.

Coming from the east on I-84 take the "Sugar Beet" Exit (#35) and turn right, go to the stop sign by the beet factory and turn left. Take Karcher Rd (Hwy. 55) 5.9 miles to 10th Street. At the stop light turn right. The school is a quarter mile on the right.

For the tech types with GPS's the lat/long of the school is N 43.6087 W 116.6897. For the verbal types the Snake River Club will be running a talk-in on the 147.20 repeater.

John Stone
K7JPS

--- In tvnsp@y..., Paul Verhage <pverhage@s...> wrote:
> I've lost the directions also. Can someone email them again?
>
> Thanks,
> Paul
>
> > -----Original Message-----
> > From: Stephanie Steele [mailto:kc7dba@a...]
> > Sent: Thursday, April 26, 2001 2:34 PM
> > To: tvnsp@y...
> > Subject: Re: [tvnsp] Status, 26 Apr, pt 2
> >
> >
> > Please post the address and directions to the hamfest. Thanks!
> >
> > Stephanie
> >

326. Re: [tvnsp] Status, 26 Apr, pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-27 03:38:43 UTC
From: Russell Dunn
Topic: 317 Message: 326

Directions to Snake River Amateur Radio Club Hamfest 4-28-01. All mileages are approximate. Repeater 147.20+ (no tone).

Vallivue Middle School (formerly High School) 16358 S 10th Ave Caldwell. Nearest cross streets: Halfway between Karcher Rd (Hwy 55) and Homedale Rd on 10th Ave.

From Boise:
Take I-84 west to Exit 35. At the bottom of the off ramp, turn right (North) onto Nampa Blvd .5 mile to 4 way stop. Turn left (West) onto Karcher Road (Highway 55) and continue for approx 7 miles. Crossing Montana Ave (Gem State Academy) means you'll be turning at the next crossroad .5 mile away. At the stoplight at top of the hill, turn right (North) onto 10th Avenue. You will be able to see the school and football fields from the stoplight. Continue north .5 miles. School is on the right (East). Take the 1st paved road into the paved parking lot.

From Oregon:
Take I-84 east to Exit 28. At the bottom of the off ramp, turn right (West) onto 10th Ave. Continue approx 4.5 miles through town on 10th as it bends south and exits Caldwell. Crossing Homedale Road means you're within .5 mile of the school. At the top of the hill, the school will be on your left (East). Take the 2nd paved entrance into the paved parking lot.

Hope this helps,
Russ
N7SMA

----- Original Message -----
From: Stephanie Steele
To: tvnsp@yahoogroups.com
Sent: Thursday, April 26, 2001 2:33 PM
Subject: Re: [tvnsp] Status, 26 Apr, pt 2

Please post the address and directions to the hamfest. Thanks!

Stephanie

327. Re: [tvnsp] Status, 26 Apr, pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-27 04:15:29 UTC
From: ab7xm@aol.com
Topic: 317 Message: 327

directions to the vallivue middle school (the old valivue high school to most of us) are as follows
take karcher road (hwy 55) (the road to marsing from karcher mall) south (twards marsing) to the 10th ave traffic light turn right on 10th (twards caldwell) and we are at the school on the right side of the road the first building the address is 16358 south 10th ave caldwell id 83605 73`s
paul ab7xm

328. Status, 27 Apr

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-27 13:34:21 UTC
From: Paul Verhage
Topic: 328 Message: 328

If launched this morning, the capsule would set down about 30 miles south of Nampa. The winds aloft over the next 24 hours will keep close to the same heading, but pick up speed a little. This this case, I'll take a swag and predict the capsule will set down southeast of Boise, perhaps near the southeast corner of town.

I'll run another prediction this morning, when the current radiosonde reports. It looks good for a launch, but we may want to go a little father south before launch.

T-storms are predicted to breakout again this afternoon. I imagine this will be fine for us, since they occur in the late afternoon when instability builds up. Our early launch will avoid them. The latest precip in the mountains has been rain, so we shouldn't have to claw our way through snow again, should we have to go alpine climbing again.

The only questions are will we have clouds in the morning and how long does the wind hold off. If it's cloudy, then I'll remove the IR camera and replace it with a digital. The sooner the winds pick up, the sooner we have to launch. It would be nice to wait until 10:00 am to launch.

I'll call the FAA this morning and let them know we're going south to launch.

Don't forget to bring some munchies and drinks for the chase. And be sure to gas up and visit the restroom before we leave.

By the way, they're called the Bozeman Boys, not the Montana Boys.

Paul "I prefer flat land" Verhage

329. Status, 27 Apr, pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-27 17:51:31 UTC
From: Paul Verhage
Topic: 329 Message: 329

Using predicted winds aloft, the capsule will recover 30 miles northeast of Boise, if launched from J.V. We need to drive past J.V. before we begin filling. Another 30 miles on US 95 should be wonders. Stephanie had determined some possible launch sites. We'll look at those. Stephanie, I don't have your list anymore. What looks good to you? I'm going to run a test on Basque Station and see what it turns up.

Paul

330. Status, 27 Apr, pt 3

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-27 18:00:12 UTC
From: Paul Verhage
Topic: 330 Message: 330

With the predicted winds for tomorrow, we need to launch between J.V. and Basque Station. That will recover the capsule well within the valley. We need to be ready to leave the hamfest by 6:00 am because it's going to take over an hour to drive to the launch site. But once the capsule lands, it will be much easier to recover it than last time. We'll also be back near Caldwell/Boise.

I'll bring my notes to DCI this afternoon.

Paul

331. RE: [tvnsp] Status, 27 Apr, pt 3

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-27 18:25:56 UTC
From: John Knapp
Topic: 330 Message: 331

I will not be able to be at the hamfest at 6:00am. I have a friend from work going with us, based on the information from yesterday I told him to meet us at our house between 5:30 and 5:45. I have no way to contacting him today. We would leave no later than 6:00am. Being that, if you leave the Hamfest at 6:00am, we will be between 15 minutes to 45 minutes behind you.

Did you find out if the 24 repeater works in that area? Does the 20 repeater? Any others?

JohnK

> -----Original Message-----
> From: Paul Verhage [mailto:pverhage@...]
> Sent: Friday, April 27, 2001 12:00 PM
> To: 'tvnsp@egroups.com'
> Subject: [tvnsp] Status, 27 Apr, pt 3
>
>
> With the predicted winds for tomorrow, we need to launch between J.V. and
> Basque Station. That will recover the capsule well within the valley. We
> need to be ready to leave the hamfest by 6:00 am because it's
> going to take
> over an hour to drive to the launch site. But once the capsule lands, it
> will be much easier to recover it than last time. We'll also be back near
> Caldwell/Boise.
>
> I'll bring my notes to DCI this afternoon.
>
> Paul
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
>

332. Re: [tvnsp] Status, 27 Apr, pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-27 18:33:44 UTC
From: Stephanie Steele
Topic: 329 Message: 332

Here they are again. Luckily I had not tossed them yet.

Rome Service Airport N42 49.829 / W117 37.714 33 miles from JV
Crooked Creek Rest Area N42 47.933 / W117 44.814 38 miles from JV
Burns Junction N42 46.497 / W117 51.044 44 miles from JV
Rome State Airport N42 35.029 / W117 52.638 58 miles from JV
Basque Station Highway Shops N42 24.635 / W117 51.767 70 miles from JV

Basque Station is about 70 miles from Jordan Valley so if you are going there plan to leave early. Hwy 95 in Oregon is posted at 55 mph and going much over that is not recommended if you like your cash. Hwy 95 goes southwest out of Jordan Valley and does not go back truly south until Burns Junction. You will be moving your landing spot south and west as you go out of Jordan Valley which should be fine as it would guess that it would have you landing in the area between Ontario and Vale. Jaca Road goes south for quite a few miles just outside of JVand MAY gain you some additional distance south without moving west. I have not traveled that road for years. I believe it should be fine this time of year but I make no guarantees. If you want some south and west movement and want to minimize off road travel look at Rome Service Airport. It is about 33 miles southwest of JV. I think it will give you about 10 miles of movement south.

Hope some of this helps.

Stephanie

Paul Verhage wrote:

> Using predicted winds aloft, the capsule will recover 30 miles northeast of
> Boise, if launched from J.V. We need to drive past J.V. before we begin
> filling. Another 30 miles on US 95 should be wonders. Stephanie had
> determined some possible launch sites. We'll look at those. Stephanie, I
> don't have your list anymore. What looks good to you? I'm going to run a
> test on Basque Station and see what it turns up.
>
> Paul
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

333. RE: [tvnsp] Status, 27 Apr, pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-27 18:53:27 UTC
From: Paul Verhage
Topic: 329 Message: 333

> If you want some south
> and west movement
> and want to minimize off road travel look at Rome Service
> Airport. It is about
> 33 miles southwest of JV. I think it will give you about 10
> miles of movement
> south.

Let's plan on launching from Rome Service Airport then, or close to it. If it's just an air strip, then I don't think we'll have a problem launching there.

Paul "Were'd that airplane come from?" Verhage

334. RE: [tvnsp] Status, 27 Apr, pt 3

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-27 18:58:57 UTC
From: Paul Verhage
Topic: 330 Message: 334

> I will not be able to be at the hamfest at 6:00am.

We'll try holding off a bit. We can also leave slowly.

> Did you find out if the 24 repeater works in that area? Does the 20
> repeater? Any others?

Anyone familiar with repeaters in that area? We need to coordinate frequencies. If we're out of repeater range, we'll use 146.52. I think we can avoid conflicting with the other event this weekend.

Once back in the valley, we'll use the 24 repeater.

My cell phone is 631-7162 if anyone needs to contact me.

Paul

335. Re: [tvnsp] Status, 27 Apr, pt 3

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-28 02:09:25 UTC
From: Jeff Melanson
Topic: 330 Message: 335

John,

I also have a ride along and I told him we would leave the hamfest at 6:30. The group is aware of this. They will start setting up the launch site. We will arrive before launch. We think the 147.24 will work out there and they will guide us in.

Jeff Melanson
KD7INN

John Knapp wrote:

> I will not be able to be at the hamfest at 6:00am. I have a friend from work
> going with us, based on the information from yesterday I told him to meet us
> at our house between 5:30 and 5:45. I have no way to contacting him today.
> We would leave no later than 6:00am. Being that, if you leave the Hamfest at
> 6:00am, we will be between 15 minutes to 45 minutes behind you.
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> repeater? Any others?
>
> JohnK
>
> > -----Original Message-----
> > From: Paul Verhage [mailto:pverhage@...]
> > Sent: Friday, April 27, 2001 12:00 PM
> > To: 'tvnsp@egroups.com'
> > Subject: [tvnsp] Status, 27 Apr, pt 3
> >
> >
> > With the predicted winds for tomorrow, we need to launch between J.V. and
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> > over an hour to drive to the launch site. But once the capsule lands, it
> > will be much easier to recover it than last time. We'll also be back near
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> > Paul
> >
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> >

> >
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336. Launch Report - April 28, 2001

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-28 21:04:22 UTC
From: Stephanie Steele
Topic: 336 Message: 336

Score =

Balloons from TVNSP - 2

Stephanie - 0

Game, set and match; Balloons

337. Re: [tvnsp] Launch Report - April 28, 2001

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-28 22:06:34 UTC
From: Mark Conner
Topic: 336 Message: 337

Details? Saw no data for KD4STH on the server today.

73 de Mark N9XTN

----- Original Message -----
From: "Stephanie Steele" <kc7dba@...>
To: <tvnsp@yahoogroups.com>
Sent: Saturday, April 28, 2001 16:04
Subject: [tvnsp] Launch Report - April 28, 2001

>
> Score =
>
> Balloons from TVNSP - 2
>
> Stephanie - 0
>
>
> Game, set and match; Balloons
>
>
>
>

338. Re: Launch Report - April 28, 2001

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-28 23:09:05 UTC
From: k7jps@arrl.net
Topic: 336 Message: 338

The quick synopsis is we lost the balloon after the capsules had reached the astonishing hight of 8 feet above ground level.

As we payed out the lanyards in preparation for release, a wind came up wrecking what had been up to that point near perfect calm. We had a struggle to keep the stack vertical. We did get it into possition and released the first lanyard. Then as the second lanyard was released and the balloon lifted off, the lanyard became tangled and severed the load line just below balloon's nozzle.

We are looking to develop a better release mechanism now, and to be prepared to cut the lanyards as needed.

John Stone
K7JPS

--- In tvnsp@y..., "Mark Conner" <mconner1@h...> wrote:
> Details? Saw no data for KD4STH on the server today.
>
> 73 de Mark N9XTN
>
> ----- Original Message -----
> From: "Stephanie Steele" <kc7dba@a...>
> To: <tvnsp@y...>
> Sent: Saturday, April 28, 2001 16:04
> Subject: [tvnsp] Launch Report - April 28, 2001
>
>
> > > Score =
> > > Balloons from TVNSP - 2
> > > Stephanie - 0
> > >
> > > Game, set and match; Balloons
> > >
> > >
> > >
> > >

339. RE: [tvnsp] Re: Launch Report - April 28, 2001

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-28 23:45:48 UTC
From: John Knapp
Topic: 336 Message: 339

Well, we didn't have to climb the ***** mountains, didn't have any problem finding the capsules after the flight (what - 2 whole minutes??). And we were home by noon. A nice short flight of an astonishing 8 ft. What more could you ask for?

JohnK

> -----Original Message-----
> From: k7jps@... [mailto:k7jps@...]
> Sent: Saturday, April 28, 2001 5:09 PM
> To: tvnsp@yahoogroups.com
> Subject: [tvnsp] Re: Launch Report - April 28, 2001
>
>
> The quick synopsis is we lost the balloon after the capsules had
> reached the astonishing hight of 8 feet above ground level.
>
> As we payed out the lanyards in preparation for release, a wind came
> up wrecking what had been up to that point near perfect calm. We had
> a struggle to keep the stack vertical. We did get it into possition
> and released the first lanyard. Then as the second lanyard was
> released and the balloon lifted off, the lanyard became tangled and
> severed the load line just below balloon's nozzle.
>
> We are looking to develop a better release mechanism now, and to be
> prepared to cut the lanyards as needed.
>
> John Stone
> K7JPS
>
> --- In tvnsp@y..., "Mark Conner" <mconner1@h...> wrote:
> > Details? Saw no data for KD4STH on the server today.
> >
> > 73 de Mark N9XTN
> >
> > ----- Original Message -----
> > From: "Stephanie Steele" <kc7dba@a...>
> > To: <tvnsp@y...>
> > Sent: Saturday, April 28, 2001 16:04
> > Subject: [tvnsp] Launch Report - April 28, 2001
> >
> >
> > >
> > > Score =
> > >

> > > Balloons from TVNSP - 2
> > >
> > > Stephanie - 0
> > >
> > >
> > > Game, set and match; Balloons
> > >
> > >
> > >
> > >
>
>
> To unsubscribe from this group, send an email to:
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>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
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>
>

340. Re: [tvnsp] Re: Launch Report - April 28, 2001

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-28 23:57:35 UTC
From: ke4slc
Topic: 336 Message: 340

Isn't this a new record?
Sorry to hear about the trouble.
73 de Dan
----- Original Message -----
From: John Knapp
To: tvnsp@yahoogroups.com
Sent: Saturday, April 28, 2001 6:45 PM
Subject: RE: [tvnsp] Re: Launch Report - April 28, 2001

Well, we didn't have to climb the ***** mountains, didn't have any problem finding the capsules after the flight (what - 2 whole minutes??). And we were home by noon. A nice short flight of an astonishing 8 ft. What more could you ask for?

JohnK

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> From: k7jps@... [mailto:k7jps@...]
> Sent: Saturday, April 28, 2001 5:09 PM
> To: tvnsp@yahoogroups.com
> Subject: [tvnsp] Re: Launch Report - April 28, 2001
>
>
> The quick synopsis is we lost the balloon after the capsules had
> reached the astonishing hight of 8 feet above ground level.
>

341. Sucker Winds

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-29 04:09:28 UTC
From: Paul Verhage
Topic: 341 Message: 341

Have you heard of a sucker hole? That's when there's a opening in the clouds that makes you think it's going to stay clear long enough for you to finish playing. Well, today in Oregon, we discovered sucker winds. That's winds go gentle that you think there will never be another day with winds strong enough to fly a kite. The morning started nice enough with a trip to the local hamfest. There, the launch and chase crews met, discussed, and made plans about where to launch what promised to be a successful mission (don't they all promise?). After about 1.5 hours of travel, we reached the Rome Launch Site (that's what it's called and we have the photos to prove it). There we prepared to launch a nearcraft in the wonderfully calm winds by the river. As usual, it took about an hour to prep the capsule and balloon. And all during that time, we heard nary a whisper of brewing trouble. Just before we were ready to begin raising the balloon, the glider on the capsule was successfully dropped and recovered before we even launched! Isn't TVNSP amazing?! After Mr. Verhage corrected a slight oversight with a servo cable (the blame for this event will be determined at a later time), we prepared for the most important moment, raising the balloon for launch. The tension of the crew as just as tense as the tension on the lanyards, we we let the tense balloon out of our tense hands. But as we raised the balloon on its lanyards, the winds picked up. But these weren't gentle winds that warn you that you had better hurry. Oh no, these were demonic winds that delight in destroying near space stacks. TVNSP crews bravely struggled to save the stack at great risk to themselves. We even continued to raise the stack as the balloon was blown down to within six feet of the ground (I saw the balloon's life flash before my eyes at this point - which is much better than seeing my life flash before my eyes). The first lanyard release was a success and I felt the capsules jump up in the my hands, in preparation of their ascent into near space. Then it was time to release the second lanyard. That occurred as advertised and lifted the capsules completely out of my hands. I felt better now that the worst part was over (if it were only so). But at an altitude about eight feet, the capsules came crashing earthward without so much as the parachute taking notice that it was suppose to open (that slacker). When I looked up I saw the balloon rocketing skyward carrying a lanyard and winder as its only payload ("That's funny", I thought, "that's not what happened last time"). After the initial shock, we discovered that the load line had been cut, severing the capsule and parachute from its ride into near space.

It appears that during the struggle with these demonic winds, the lanyard got wrapped around the load line. Once the last lanyard line was released, the friction melted the load line and pulled the lanyard out of our crewman's hands, giving him severe string burn. The string burn looks very angry and painful. My apologies on this, your first experience with near space.

We decided on a few changes.

1. Everyone near the load line wears gloves, even if they are using the winders.
2. The lanyard ring will now be a part of the load line. There will be no separate lines for the lanyard ring and the load line.
3. Always fill before sunrise and launch ASAP, no waiting to launch late. If the sun's up, we're late.

I want to thank the crews for what they put up with. We were 99% successful. We would have failed 100% if it wasn't for your time and effort. We had an injury that shouldn't have happened. We'll make sure it doesn't happen again.

I hope you can all join me for a launch in two weeks. That flight (TV01C) will carry the 35mm camera with IR film and a camcorder. The goal is to finally shoot IR images from near space and to record a landing. We'll meet again on Friday, May 11 to discuss and plan the launch.

Oh, by the way, I have been selected to be a net correspondent for near space for the Awequest website. I'd like to get info on KNSP and TVNSP flights and send stories to the site. For pictures, I'll need the owner's permission to post them to the site (you'll be given credit). This is an unpaid position (sort of like flying near space capsules) and sounds like a lot of fun. Thanks in advance for any support. To start with, Mark, can I use your picture of Orion? Bill, can I use your story of your successful launch? I'll need pictures of TVNSP's some what successful flight.

Awequest can be found at www.awequest.net.

Paul "Why do I have to learn from my mistakes, rather than someone else's?" Verhage

342. Re: [tvnsp] Sucker Winds

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-29 14:33:27 UTC
From: Stephanie Steele
Topic: 341 Message: 342

(Everyone, please place your tongue firmly in cheek before reading the following)

Hi Paul,

I want to thank you for allowing me to participate in the balloon launch failure drill on Saturday. This has been the second balloon launch failure drill that my work schedule has allowed me to attend and I must say they are really fun. For those who have not had the opportunity to participate yet let me run the event down for you.

Preparation for a balloon launch failure drill always starts with weeks of correspondence via email between all members that are going to participate in the event. I can feel the excitement build as I realize that my work schedule is finally going to allow me to participate and I begin to prepare my tracking equipment. The email crescendo and excitement builds as I attend planning meetings in the weeks immediately before the balloon launch failure drill. I receive word that a good friend and his two young sons who have expressed an interest in participating is going to be able to attend and I know that another convert to the weird wacky world of balloon launch failures is about to be made.

The day of the drill dawns with the promise of what is to come. You either rise hours before the sun rises to begin your trek to the event or as in my case, I get off work at 7 am after working all night. I pile my equipment in the car as I anticipate all that is about to unfold. I know I am way too far behind the launch failure drill team to make it to the launch site but I don't care because even though I won't be there to witness the launch failure, I know that you will be nearby watching the balloon not appear on my tracking screen. I travel for an hour towards the launch failure site and then realize that I have forgotten the one most important piece of my tracking equipment at home. Not to worry, this after all is a launch failure drill and I am showing that I too can foul things up. I turn around and drive almost an hour back home only to discover just before arriving there that I had the equipment in the car all along and had not forgotten it. Cool, I'm in the grove now! I turn around and begin heading back and after doing some quick time/distance calculations I realize that I can not make it anywhere near the launch failure site as I am at least 2 1/2 hours from the site and it is now less than an hour to the scheduled launch failure time. I am able to contact Randy who is one of the most experienced launch failure team members who has been stationed at a special event station at DCI in Boise This station has been set up to allow the public to not watch the balloon launch failure. He has arrived and in the process of setting up his displays he discovers that one of the laptops he is using requires a

password that he does not have. I know the day will be a success now! Unfortunately, Doug, who is another of the team members, who has set up a similar public display at a second site is able to foul everything up and tell him how to bypass the password requirement. This casts doubt in my mind now that the 'winds' of failure have changed and things may accidentally start going right. Randy is able to give me the latest landing projection for the launch failure drill and based upon that information I head for Kuna to not watch the balloon flight.

I can not shake the feelings of dread that keep creeping into my mind because of that positive development but with muted expectations I arrive just prior to the scheduled launch failure time in the projected aborted landing area and begin keyboard communications with the station at DCI to pass the time. The launch failure window comes and goes without any word. I know that word of the successful launch failure is imminent. Several minutes after the latest time that the balloon should have not appeared on my tracking screen I send a message to DCI that I am concerned. Moments later word is received from one of the members at the launch failure site that the event has been a success and the launch has successfully failed! Hooray!

With a sense of relief I head home. I know it will probably be months before my work schedule will again allow me to participate again but I also know that the glow of success of the day's balloon launch failure attempt will be with me for a long time to come!

The end.

****
***

Thanks to Paul and everyone for their efforts on Saturday. It is the positive "can do" spirit of this group that makes it so appealing and fun to work with. Thanks also to everyone for having a good sense of humor about life.

Stephanie

343. ELPH photos and launch ring

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-29 16:09:31 UTC
From: Bill All
Topic: 343 Message: 343

Paul and group, I've uploaded several files to your tvnsp file area that hopefully show how I brought the Elph LT's shutter out to allow the Basic Stamp to trigger it. There are 2 screws on each side and one on the bottom. Also the screw in the film canister release needs to be loosened slightly.
The shutter trigger is a 2 step pushbutton. The ground lead is the green wire on the back side of the switch. One of the 2 wires on the front of the switch sets the camera up to take the photo, and the other wire actually takes the picture. The other end of the wires terminates in a Deans Plug that goes to a Radio Shack 5vdc Reed Relay 275-232. I found that by tieing both of the shutter wires together and then shorting them to ground the camera still goes through its setup focusing and trips the shutter.

Also are 2 photos that show how we have adapted your launch release technique. On our flight yesterday after we tied off the balloon we slipped a 3 inch ring over the neck of the balloon before doubling the neck over and tieing and taping it up with duct tape. This seemed to make a cleaner assembly rather than just tieing the ring separately. We still tied the capsule load line directly to the balloon rather than the ring.

The lines from 2 kite handles go through the ring and then just several turns wrapped around the wooden dowels. DO NOT, DO NOT, DO NOT put any kind of a knot on this end. The handlers with the dowel simply hold the line over the dowel to ensure that it does not release prematurely. The handlers with the kite handles let the line out to allow the capsule to clear the ground. On command both handlers with the dowels let the line unwrap and the balloon rises into the air. To date we have not had any problems even in a moderate breeze <10mph.

Don't think anything would have helped in the winds you encountered. Hope that's just an Idaho thing. :-)

344. Re: [tvnsp] Sucker Winds

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-29 17:22:15 UTC
From: Randy Farley
Topic: 341 Message: 344

Im glad everyone in this group has a good sense of humor. Thats what makes this so fun. Just think if every flight was successful, we would become complacent and probably get bored. We all know that we are supposed to learn from mistakes. I dont see any more reason for failure now, an 8 ft launch, thats got to be worth some kind of record...hi <;) Thats not a failure in my book.

I will continue to attend balloon launches in the future no matter what can happen. Who knows what kind of records we can set eventually. Its all in the name of fun, education and good friends, even if some of you have not seen a full launch yet.
Names witheld because you know who you are...<:)

Paul, were hanging in there with you.

Paul Verhage wrote:

> Have you heard of a sucker hole? That's when there's a opening in the
> clouds that makes you think it's going to stay clear long enough for you to
> finish playing. Well, today in Oregon, we discovered sucker winds. That's
> winds go gentle that you think there will never be another day with winds
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> notice that it was suppose to open (that slacker). When I looked up I saw
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> got wrapped around the load line. Once the last lanyard line was released,
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> crewman's hands, giving him severe string burn. The string burn looks very
> angry and painful. My apologies on this, your first experience with near
> space.
>
> We decided on a few changes.
>
> 1. Everyone near the load line wears gloves, even if they are using the
> winders.
> 2. The lanyard ring will now be a part of the load line. There will be no
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> 3. Always fill before sunrise and launch ASAP, no waiting to launch late.
> If the sun's up, we're late.
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> successful. We would have failed 100% if it wasn't for your time and
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> lot of fun. Thanks in advance for any support. To start with, Mark, can I
> use your picture of Orion? Bill, can I use your story of your successful
> launch? I'll need pictures of TVNSP's some what successful flight.
>
> Awequest can be found at www.awequest.net.
>
> Paul "Why do I have to learn from my mistakes, rather than someone else's?"
> Verhage
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>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

--
Regards,
Randy Farley
N7GPS -Ham Call-
My Home at: http://map.findu.com/n7gps
Find my pickup at: http://map.findu.com/n7gps-9
or Find my ATV at: http://map.findu.com/n7gps-7

345. Photos of load line

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-04-30 01:17:54 UTC
From: spacedr@yahoo.com
Topic: 345 Message: 345

Paul,

I have had my photographs developed of Saturday's launch attempt, and have scanned in and zoomed in on the loadline/lanyard junction just below the balloon.

The images are as large as 1.6 Mb so I am reluctant to put them over on your files directory here on the tvnsp site for fear of fowling things up (not knowing how much space you have there).

Tomorrow I can get some of the students (infinitely smarter than I at getting images put in a place where people can see them)to make them easily available without tying up your file space.

Interestingly, I expected to have seen 5 lines running to the ground:

loadline,
lanyard#1-up,
lanyard#1-down,
lanyard#2-up,
lanyard#2-down

but only four are visible in several of my photos?

Don't reply to spacedr@... -- I never read mail there. My real email address is klump@...

Dave Klumpar,
of "The Montana Boys" gang

346. Parachute Questions

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-02 06:58:48 UTC
From: Mike Garske
Topic: 346 Message: 346

Paul,

I got a couple questions about the parachute used on the Nearcraft.
First, what are the dimensions of the chute? And second, do you have a
pattern to make one? I have found a website that sells various sizes, but I
am sure they can be handmade for less.....

Mike KC7DPD

347. RE: [tvnsp] Parachute Questions

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-02 13:10:48 UTC
From: Paul Verhage
Topic: 346 Message: 347

I use a seven foot diameter parachute. I used a spread sheet to develop the pattern. I still have a cardboard cutout of the pattern that you can use if you want to sew your own.

Paul

> -----Original Message-----
> From: Mike Garske [mailto:kc7dpd@...]
> Sent: Wednesday, May 02, 2001 12:59 AM
> To: tvnsp@yahoogroups.com
> Subject: [tvnsp] Parachute Questions
>
>
> Paul,
>
> I got a couple questions about the parachute used on the
> Nearcraft.
> First, what are the dimensions of the chute? And second, do you have a
> pattern to make one? I have found a website that sells
> various sizes, but I
> am sure they can be handmade for less.....
>
> Mike KC7DPD
>
>
>
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>

348. Webpage for last flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-02 20:01:31 UTC
From: Paul Verhage
Topic: 348 Message: 348

Here's the URL for our last flight. http://www.the-one.com/tvnsp/01b.htm

Click on the one link for a video of the sucessful 8 foot launch.

Paul

349. License test dates?

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-02 21:20:56 UTC
From: Justin Formolo
Topic: 349 Message: 349

Does anyone know when & where tests to get a tech no-code license might be? Thanks

-Justin

350. Re: [tvnsp] Webpage for last flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-02 22:35:37 UTC
From: Stephanie Steele
Topic: 348 Message: 350

I only regret that I don't have video of my sucessful effort to be no where near the landing site of the near space stack!

Stephanie

Paul Verhage wrote:

> Here's the URL for our last flight. http://www.the-one.com/tvnsp/01b.htm
>
> Click on the one link for a video of the sucessful 8 foot launch.
>
> Paul
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
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351. Re: [tvnsp] License test dates?

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-03 01:36:57 UTC
From: Stephanie Steele
Topic: 349 Message: 351

The last Saturday of the month there are VE Exams in Fruitland. They usually hold them at the Farmer's Mutual Telephone Building. Check with Jim Johnson to confirm.

Mailto:wytyg@...

Stephanie

Justin Formolo wrote:

> Does anyone know when & where tests to get a tech no-code license
> might be? Thanks -Justin

352. RE: [tvnsp] License test dates?

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-03 13:35:44 UTC
From: Paul Verhage
Topic: 349 Message: 352

Another one about to enter the fold.
Good luck on your test. There are tests given in Boise. Can someone email
those dates?

Paul

> -----Original Message-----
> From: Stephanie Steele [mailto:kc7dba@...]
> Sent: Wednesday, May 02, 2001 7:37 PM
> To: tvnsp@yahoogroups.com
> Cc: James R. and Leora Johnson W7TYG & KB7WFI
> Subject: Re: [tvnsp] License test dates?
>
>
> The last Saturday of the month there are VE Exams in Fruitland. They
> usually hold them at the Farmer's Mutual Telephone Building.
> Check with
> Jim Johnson to confirm.
>
> Mailto:wytyg@...
>
>
> Stephanie
>
>
> Justin Formolo wrote:
>
> > Does anyone know when & where tests to get a tech no-code license
> > might be? Thanks -Justin
>
>
>
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>
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353. Re: [tvnsp] License test dates?

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-03 15:52:07 UTC
From: James R. Johnson
Topic: 349 Message: 353

Paul, there will be tests in Fruitland on May 26 at 9:00 a.m. at the telephone co. building. Boise's tests are, I think, the second Saturday of each month, but I don't know who the contact person is.

----- Original Message -----
From: "Paul Verhage" <pverhage@...>
To: <tvnsp@yahoogroups.com>
Sent: Thursday, May 03, 2001 7:35 AM
Subject: RE: [tvnsp] License test dates?

> Another one about to enter the fold.
> Good luck on your test. There are tests given in Boise. Can someone email
> those dates?
>
> Paul
>
> > -----Original Message-----
> > From: Stephanie Steele [mailto:kc7dba@...]
> > Sent: Wednesday, May 02, 2001 7:37 PM
> > To: tvnsp@yahoogroups.com
> > Cc: James R. and Leora Johnson W7TYG & KB7WFI
> > Subject: Re: [tvnsp] License test dates?
> >
> >
> > The last Saturday of the month there are VE Exams in Fruitland. They
> > usually hold them at the Farmer's Mutual Telephone Building.
> > Check with
> > Jim Johnson to confirm.
> >
> > Mailto:wytyg@...
> >
> >
> > Stephanie
> >
> >
> > Justin Formolo wrote:
> >
> > > Does anyone know when & where tests to get a tech no-code license
> > > might be? Thanks -Justin
> >
> >
> >
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> >
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>

354. Re: [tvnsp] License test dates?

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-03 17:36:33 UTC
From: Doug Rich
Topic: 349 Message: 354

Check the VOI URL for the Boise test information:

http://www.voiceofidaho.org/testing. (http://www.voiceofidaho.org/testing.htm)htm

(http://www.voiceofidaho.org/testing.htm)At 03:20 PM 5/2/01 -0600, you wrote:

Does anyone know when & where tests to get a tech no-code license might be? Thanks

-Justin

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355. Re: [tvnsp] Parachute Questions

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-03 23:50:42 UTC
From: Jeff Melanson
Topic: 346 Message: 355

Paul,

Is there a formula for parachute size versus payload weight to get a particular rate of descent? How did you come up with seven feet for 12 lbs? Anybody know any websites that cover parachute construction?

Paul Verhage wrote:

> I use a seven foot diameter parachute. I used a spread sheet to develop the
> pattern. I still have a cardboard cutout of the pattern that you can use if
> you want to sew your own.
>
> Paul
>
> > -----Original Message-----
> > From: Mike Garske [mailto:kc7dpd@...]
> > Sent: Wednesday, May 02, 2001 12:59 AM
> > To: tvnsp@yahoogroups.com
> > Subject: [tvnsp] Parachute Questions
> >
> >
> > Paul,
> >
> > I got a couple questions about the parachute used on the
> > Nearcraft.
> > First, what are the dimensions of the chute? And second, do you have a
> > pattern to make one? I have found a website that sells
> > various sizes, but I
> > am sure they can be handmade for less.....
> >
> > Mike KC7DPD
> >
> >
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356. Re: [tvnsp] Parachute Questions

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-04 00:31:51 UTC
From: Tim Rynearson
Topic: 346 Message: 356

A formula for parachute size that I obtained a couple years ago (and don't remember where now) is: Diameter in inches = seven times the square root of the weight in ounces. I'm not sure what the decent rate using this formula is, but should give you a good baseline.

Tim, N7UBO
n7ubo@...

-------Original Message-------

From:Jeff Melanson
Date: Thursday, May 03, 2001 05:43:09 PM
To:tvnsp@yahoogroups.com
Subject: Re: [tvnsp] Parachute Questions

Paul,

Is there a formula for parachute size versus payload weight to get a
particular rate of descent? How did you come up with seven feet for 12 lbs?
Anybody know any websites that cover parachute construction?

Paul Verhage wrote:

> I use a seven foot diameter parachute. I used a spread sheet to develop the
> pattern. I still have a cardboard cutout of the pattern that you can use if
> you want to sew your own.
>
> Paul
>
> > -----Original Message-----
> > From: Mike Garske [mailto:kc7dpd@...]
> > Sent: Wednesday, May 02, 2001 12:59 AM
> > To: tvnsp@yahoogroups.com
> > Subject: [tvnsp] Parachute Questions
> >
> >
> > Paul,
> >
> > I got a couple questions about the parachute used on the
> > Nearcraft.
> > First, what are the dimensions of the chute? And second, do you have a
> > pattern to make one? I have found a website that sells
> > various sizes, but I
> > am sure they can be handmade for less.....
> >
> > Mike KC7DPD
> >
> >

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357. Re: [tvnsp] Parachute Questions

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-04 02:13:38 UTC
From: Jeff Melanson
Topic: 346 Message: 357

Paul's Near Space Capsules weigh a total of 12 lbs. Using this formula his parachute would need to be 8 ft. in diameter. He uses a 7 foot diameter. He also has a hole in the top. If I remember right Paul said the hole in the top is 20% the size of the diameter. I don't remember how long the lines down to the capsule are. The average descent rate is 1200 ft per minute. On landing the capsules are descending at about 20 MPH. This is equivalent to dropping the capsules from a height of 8 ft. Someone check these figures. How many G's is the impact?

Jeff Melanson
KD7INN

Tim Wrote:

A formula for parachute size that I obtained a couple years ago (and don't remember where now) is:
Diameter in inches = seven times the square root of the weight in ounces. I'm not sure what the decent rate using this formula is, but should give you a good baseline.

Tim, N7UBO
n7ubo@...

358. Re: Parachute Questions

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-04 03:32:41 UTC
From: Bill All
Topic: 346 Message: 358

You might want to look at Richard Nakka's design at
http://members.aol.com/ricnakk/paracon.html
I think it's pretty similar to Paul's design. Richard's does not
incorporate a spill hole however.

Bill - n3kkm
Near Space Balloon Group

359. RE: [tvnsp] Parachute Questions

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-04 17:00:19 UTC
From: Paul Verhage
Topic: 346 Message: 359

I found a formula for landing a payload at 22 fps from an old rocketry magazine. I'll see if my book on recovery systems design covers that.

Paul

> -----Original Message-----
> From: Jeff Melanson [mailto:kd7inn@...]
> Sent: Thursday, May 03, 2001 5:51 PM
> To: tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] Parachute Questions
>
>
> Paul,
>
> Is there a formula for parachute size versus payload
> weight to get a
> particular rate of descent? How did you come up with seven
> feet for 12 lbs?
> Anybody know any websites that cover parachute construction?
>
> Paul Verhage wrote:
>
> > I use a seven foot diameter parachute. I used a spread
> sheet to develop the
> > pattern. I still have a cardboard cutout of the pattern
> that you can use if
> > you want to sew your own.
> >
> > Paul
> >
> > > -----Original Message-----
> > > From: Mike Garske [mailto:kc7dpd@...]
> > > Sent: Wednesday, May 02, 2001 12:59 AM
> > > To: tvnsp@yahoogroups.com
> > > Subject: [tvnsp] Parachute Questions
> > >
> > >
> > > Paul,
> > >
> > > I got a couple questions about the parachute used on the
> > > Nearcraft.
> > > First, what are the dimensions of the chute? And second,
> do you have a
> > > pattern to make one? I have found a website that sells
> > > various sizes, but I

> > > am sure they can be handmade for less.....
> > >
> > > Mike KC7DPD
> > >
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360. RE: [tvnsp] Parachute Questions

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-04 17:03:39 UTC
From: Paul Verhage
Topic: 346 Message: 360

> Paul's Near Space Capsules weigh a total of 12 lbs. Using this formula
> his parachute would need to be 8 ft. in diameter. He uses a 7 foot
> diameter. He also has a hole in the top. If I remember right Paul said
> the hole in the top is 20% the size of the diameter. I don't remember
> how long the lines down to the capsule are. The average
> descent rate is
> 1200 ft per minute. On landing the capsules are descending at about 20
> MPH. This is equivalent to dropping the capsules from a
> height of 8 ft.
> Someone check these figures. How many G's is the impact?

I may have designed the 'chute for a 10 pound payload (it was so long ago, I
don't recall). So the formula sounds like it will work. The landing speed
is suppose to be slow enough for people, or about 15 mph (22 fps).

Paul

> Tim Wrote:
>
> A formula for parachute size that I obtained a couple years ago (and
> don't remember where now) is:
> Diameter in inches = seven times the square root of the weight in
> ounces. I'm not sure what the decent rate using this formula is, but
> should give you a good baseline.
>
> Tim, N7UBO
> n7ubo@...
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361. RE: [tvnsp] Re: Parachute Questions

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-04 17:05:02 UTC
From: Paul Verhage
Topic: 346 Message: 361

Use a spill hole top reduce swaying of the parachute. You can also use a fabric with a higher porosity to reduce swaying, but you'll need a larger diameter parachute.

Paul

> -----Original Message-----
> From: Bill All [mailto:n3kkm@...]
> Sent: Thursday, May 03, 2001 9:33 PM
> To: tvnsp@yahoogroups.com
> Subject: [tvnsp] Re: Parachute Questions
>
>
> You might want to look at Richard Nakka's design at
> http://members.aol.com/ricnakk/paracon.html
> I think it's pretty similar to Paul's design. Richard's does not
> incorporate a spill hole however.
>
> Bill - n3kkm
> Near Space Balloon Group
>
>
> To unsubscribe from this group, send an email to:
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>
>
>
> Your use of Yahoo! Groups is subject to
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>

362. RE: [tvnsp] Parachute Questions

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-04 17:13:16 UTC
From: Mike Murray
Topic: 346 Message: 362

Hi Paul (everyone),

At 11:00 AM 5/4/01 -0600, you wrote:
>I found a formula for landing a payload at 22 fps from an old rocketry
>magazine. I'll see if my book on recovery systems design covers that.
>

I'd be very interested in seeing what you come up with. I did some rough calculations on what our parachute might do, since it's quite different from yours. We have a 12-ft. parachute from Rocketman (High Power Rocketry Co.), with no spill hole but it does have split wedges on the side for what they estimate would be around a 15 ft/sec landing speed on a 12.5 lb. payload. That means we could be around half the descent rate of yours? If you go strictly by how surface area affects drag, we could potentially see a descent rate of about one-third of yours -- does this sound right?

If this is correct, assuming we did a flight at 6am this morning from Bozeman, here's what we would have:

Descent Rate Landing Site Flight Duration

1200 ft/min 32 miles bearing 91 deg 131 min.

600 ft/min 42 miles bearing 90 deg 166 min.

400 ft/min 52 miles bearing 89 deg 202 min.

We are planning to do some tests with our parachute to determine drag and landing speed. If you go through with doing the same I'd sure like to see your numbers, so we could do some quantitative comparisons. Thanks!

Mike.

****
* Mike Murray - Assistant Director *
* Montana Space Grant Consortium *
* Dept. of Physics, Montana State University *
* Bozeman, MT 59717 *
* (406) 994-7309 http://www.montana.edu/msgc *
****

363. RE: [tvnsp] Parachute Questions

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-04 17:20:50 UTC
From: Paul Verhage
Topic: 346 Message: 363

This reminds me. During the winter we discussed taking parachutes out to BLM lands for testing. Since I'm leaving in June, perhaps we ought to do that this month. I think Gary was the one with the suggested testing site. We need to tow the parachute behind a truck while measuring the pull the parachute generates. A GPS in the truck will give us accurate speeds.

Can we schedule this for May 19? Doug, do you have a parachute to test? I have four parachutes to test.

Paul

> -----Original Message-----
> From: Mike Murray [mailto:murray@...]
> Sent: Friday, May 04, 2001 11:13 AM
> To: tvnsp@yahoogroups.com
> Subject: RE: [tvnsp] Parachute Questions
>
>
> Hi Paul (everyone),
>
> At 11:00 AM 5/4/01 -0600, you wrote:
> >I found a formula for landing a payload at 22 fps from an
> old rocketry
> >magazine. I'll see if my book on recovery systems design
> covers that.
> >
>
> I'd be very interested in seeing what you come up with. I
> did some rough
> calculations on what our parachute might do, since it's quite
> different
> from yours. We have a 12-ft. parachute from Rocketman (High
> Power Rocketry
> Co.), with no spill hole but it does have split wedges on the
> side for what
> they estimate would be around a 15 ft/sec landing speed on a 12.5 lb.
> payload. That means we could be around half the descent rate
> of yours? If
> you go strictly by how surface area affects drag, we could
> potentially see
> a descent rate of about one-third of yours -- does this sound right?
>
> If this is correct, assuming we did a flight at 6am this morning from
> Bozeman, here's what we would have:
>
>

> Descent Rate Landing Site Flight Duration
>
> 1200 ft/min 32 miles bearing 91 deg 131 min.
>
> 600 ft/min 42 miles bearing 90 deg 166 min.
>
> 400 ft/min 52 miles bearing 89 deg 202 min.
>
>
> We are planning to do some tests with our parachute to
> determine drag and
> landing speed. If you go through with doing the same I'd
> sure like to see
> your numbers, so we could do some quantitative comparisons. Thanks!
>
> Mike.
>
>
> **********
> * Mike Murray - Assistant Director *
> * Montana Space Grant Consortium *
> * Dept. of Physics, Montana State University *
> * Bozeman, MT 59717 *
> * (406) 994-7309 http://www.montana.edu/msgc *
> **********
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364. Re: [tvnsp] Parachute Questions

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-04 19:01:10 UTC
From: Doug Rich
Topic: 346 Message: 364

I used part of this site information to make my parachute.

http://anthony.kitelife.com/parafauna/chute_design/

Doug

At 05:50 PM 5/3/01 -0600, you wrote:
>Paul,
>
> Is there a formula for parachute size versus payload weight to get a
>particular rate of descent? How did you come up with seven feet for 12 lbs?
>Anybody know any websites that cover parachute construction?
>
>Paul Verhage wrote:
>
> > I use a seven foot diameter parachute. I used a spread sheet to
> develop the
> > pattern. I still have a cardboard cutout of the pattern that you can
> use if
> > you want to sew your own.
> >
> > Paul
> >
> > > -----Original Message-----
> > > From: Mike Garske [mailto:kc7dpd@...]
> > > Sent: Wednesday, May 02, 2001 12:59 AM
> > > To: tvnsp@yahoogroups.com
> > > Subject: [tvnsp] Parachute Questions
> > >
> > >
> > > Paul,
> > >
> > > I got a couple questions about the parachute used on the
> > > Nearcraft.
> > > First, what are the dimensions of the chute? And second, do you have a
> > > pattern to make one? I have found a website that sells
> > > various sizes, but I
> > > am sure they can be handmade for less.....
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> > > Mike KC7DPD
> > >
> > >
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365. RE: [tvnsp] Parachute Questions

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-04 19:05:22 UTC
From: Doug Rich
Topic: 346 Message: 365

Yes, I have one to test. Correct decent rates help in the recovery predictions.

Doug

At 11:20 AM 5/4/01 -0600, you wrote:
>This reminds me. During the winter we discussed taking parachutes out to
>BLM lands for testing. Since I'm leaving in June, perhaps we ought to do
>that this month. I think Gary was the one with the suggested testing site.
>We need to tow the parachute behind a truck while measuring the pull the
>parachute generates. A GPS in the truck will give us accurate speeds.
>
>Can we schedule this for May 19? Doug, do you have a parachute to test? I
>have four parachutes to test.
>
>Paul
>
> > -----Original Message-----
> > From: Mike Murray [mailto:murray@...]
> > Sent: Friday, May 04, 2001 11:13 AM
> > To: tvnsp@yahoogroups.com
> > Subject: RE: [tvnsp] Parachute Questions
> >
> >
> > Hi Paul (everyone),
> >
> > At 11:00 AM 5/4/01 -0600, you wrote:
> > >I found a formula for landing a payload at 22 fps from an
> > old rocketry
> > >magazine. I'll see if my book on recovery systems design
> > covers that.
> > >
> >
> > I'd be very interested in seeing what you come up with. I
> > did some rough
> > calculations on what our parachute might do, since it's quite
> > different
> > from yours. We have a 12-ft. parachute from Rocketman (High
> > Power Rocketry
> > Co.), with no spill hole but it does have split wedges on the
> > side for what
> > they estimate would be around a 15 ft/sec landing speed on a 12.5 lb.
> > payload. That means we could be around half the descent rate
> > of yours? If
> > you go strictly by how surface area affects drag, we could

> > potentially see
> > a descent rate of about one-third of yours -- does this sound right?
> >
> > If this is correct, assuming we did a flight at 6am this morning from
> > Bozeman, here's what we would have:
> >
> >
> > Descent Rate Landing Site Flight Duration
> >
> > 1200 ft/min 32 miles bearing 91 deg 131 min.
> >
> > 600 ft/min 42 miles bearing 90 deg 166 min.
> >
> > 400 ft/min 52 miles bearing 89 deg 202 min.
> >
> >
> > We are planning to do some tests with our parachute to
> > determine drag and
> > landing speed. If you go through with doing the same I'd
> > sure like to see
> > your numbers, so we could do some quantitative comparisons. Thanks!
> >
> > Mike.
> >
> >
> > **********
> > * Mike Murray - Assistant Director *
> > * Montana Space Grant Consortium *
> > * Dept. of Physics, Montana State University *
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366. RE: [tvnsp] Webpage for last flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-05 03:51:48 UTC
From: John Knapp
Topic: 348 Message: 366

Does anyone have the lat/long for the launch site?

JohnK

> -----Original Message-----
> From: Paul Verhage [mailto:pverhage@...]
> Sent: Wednesday, May 02, 2001 2:02 PM
> To: 'tvnsp@egroups.com'; 'knsp@egroups.com'
> Subject: [tvnsp] Webpage for last flight
>
>
> Here's the URL for our last flight. http://www.the-one.com/tvnsp/01b.htm
>
> Click on the one link for a video of the sucessful 8 foot launch.
>
> Paul
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
>

367. Re: Webpage for last flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-05 04:23:23 UTC
From: k7jps@arrl.net
Topic: 348 Message: 367

Here is what I recorded.

Rome Launch Site: N 42.5367 W 117.62135 Alt 3407

John Stone
K7JPS

--- In tvnsp@y..., "John Knapp" <jknapp@m...> wrote:
> Does anyone have the lat/long for the launch site?
>
> JohnK

368. Forecast

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-05 17:11:25 UTC
From: Jeff Melanson
Topic: 368 Message: 368

Hi all,

Looking at the forecast 7 days from now it looks like the winds will be from the West. The isobars are close together and the arrows long so the wind speeds will be high. Paul is there a way to tell what the wind speeds will be? Where do we want to launch from this time?

Jeff Melanson
KD7INN

369. RE: [tvnsp] Parachute Questions

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-05 18:20:56 UTC
From: Tim Rynearson
Topic: 346 Message: 369

Testing behind a truck can generate some drafting that might cause innacurate testing. It's probably a good idea to have a rather long tether to the chute to help minimize the effect of the drafting.

Tim

-------Original Message-------

From:Paul Verhage
Date: Friday, May 04, 2001 11:15:42 AM
To:'tvnsp@yahoogroups.com'
Subject: RE: [tvnsp] Parachute Questions

This reminds me. During the winter we discussed taking parachutes out to BLM lands for testing. Since I'm leaving in June, perhaps we ought to do that this month. I think Gary was the one with the suggested testing site. We need to tow the parachute behind a truck while measuring the pull the parachute generates. A GPS in the truck will give us accurate speeds.

Can we schedule this for May 19? Doug, do you have a parachute to test? I have four parachutes to test.

Paul

> -----Original Message-----
> From: Mike Murray [mailto:murray@...]
> Sent: Friday, May 04, 2001 11:13 AM
> To: tvnsp@yahoogroups.com
> Subject: RE: [tvnsp] Parachute Questions
>
>
> Hi Paul (everyone),
>
> At 11:00 AM 5/4/01 -0600, you wrote:
> >I found a formula for landing a payload at 22 fps from an
> old rocketry
> >magazine. I'll see if my book on recovery systems design
> covers that.
> >
>
> I'd be very interested in seeing what you come up with. I
> did some rough
> calculations on what our parachute might do, since it's quite
> different
> from yours. We have a 12-ft. parachute from Rocketman (High
> Power Rocketry
> Co.), with no spill hole but it does have split wedges on the

> side for what
> they estimate would be around a 15 ft/sec landing speed on a 12.5 lb.
> payload. That means we could be around half the descent rate
> of yours? If
> you go strictly by how surface area affects drag, we could
> potentially see
> a descent rate of about one-third of yours -- does this sound right?
>
> If this is correct, assuming we did a flight at 6am this morning from
> Bozeman, here's what we would have:
>
>
> Descent Rate Landing Site Flight Duration
>
> 1200 ft/min 32 miles bearing 91 deg 131 min.
>
> 600 ft/min 42 miles bearing 90 deg 166 min.
>
> 400 ft/min 52 miles bearing 89 deg 202 min.
>
>
> We are planning to do some tests with our parachute to
> determine drag and
> landing speed. If you go through with doing the same I'd
> sure like to see
> your numbers, so we could do some quantitative comparisons. Thanks!
>
> Mike.
>
>
> **********
> * Mike Murray - Assistant Director *
> * Montana Space Grant Consortium *
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> * Bozeman, MT 59717 *
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370. Re: [tvnsp] Parachute Questions

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-06 02:26:08 UTC
From: Jeff Melanson
Topic: 346 Message: 370

Paul,

http://members.aol.com/ricnakk/paratest.html

Go to this web site and scroll down to parachute drag testing. I'm sure this test setup can be adapted for a pickup truck rather than a camero. Since balloon parachutes are larger than rocket parachutes we would have to lift it higher to keep it from dragging on the road. If it's held out to the side or above the truck then truck turbulence would be minimized.

Jeff Melanson
KD7INN

Paul Verhage wrote:

> This reminds me. During the winter we discussed taking parachutes out to
> BLM lands for testing. Since I'm leaving in June, perhaps we ought to do
> that this month. I think Gary was the one with the suggested testing site.
> We need to tow the parachute behind a truck while measuring the pull the
> parachute generates. A GPS in the truck will give us accurate speeds.
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> Can we schedule this for May 19? Doug, do you have a parachute to test? I
> have four parachutes to test.
>
> Paul
>
> > -----Original Message-----
> > From: Mike Murray [mailto:murray@...]
> > Sent: Friday, May 04, 2001 11:13 AM
> > To: tvnsp@yahoogroups.com
> > Subject: RE: [tvnsp] Parachute Questions
> >
> >
> > Hi Paul (everyone),
> >
> > At 11:00 AM 5/4/01 -0600, you wrote:
> > >I found a formula for landing a payload at 22 fps from an
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> > >magazine. I'll see if my book on recovery systems design
> > covers that.
> > >
> >
> > I'd be very interested in seeing what you come up with. I
> > did some rough
> > calculations on what our parachute might do, since it's quite
> > different

> > from yours. We have a 12-ft. parachute from Rocketman (High
> > Power Rocketry
> > Co.), with no spill hole but it does have split wedges on the
> > side for what
> > they estimate would be around a 15 ft/sec landing speed on a 12.5 lb.
> > payload. That means we could be around half the descent rate
> > of yours? If
> > you go strictly by how surface area affects drag, we could
> > potentially see
> > a descent rate of about one-third of yours -- does this sound right?
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> > Mike.
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371. RE: [tvnsp] Parachute Questions

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-06 02:53:07 UTC
From: John Knapp
Topic: 346 Message: 371

How fast does the vehicle have to go for the testing? Maybe we can discuss the testing at the next meeting.

JohnK

> -----Original Message-----
> From: Jeff Melanson [mailto:kd7inn@...]
> Sent: Saturday, May 05, 2001 8:26 PM
> To: tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] Parachute Questions
>
>
> Paul,
>
> http://members.aol.com/ricnakk/paratest.html
>
> Go to this web site and scroll down to parachute drag
> testing. I'm sure
> this test setup can be adapted for a pickup truck rather than a
> camero. Since
> balloon parachutes are larger than rocket parachutes we would
> have to lift it
> higher to keep it from dragging on the road. If it's held out to
> the side or
> above the truck then truck turbulence would be minimized.
>
> Jeff Melanson
> KD7INN
>
> Paul Verhage wrote:
>
> > This reminds me. During the winter we discussed taking
> parachutes out to
> > BLM lands for testing. Since I'm leaving in June, perhaps we
> ought to do
> > that this month. I think Gary was the one with the suggested
> testing site.
> > We need to tow the parachute behind a truck while measuring the pull the
> > parachute generates. A GPS in the truck will give us accurate speeds.
> >
> > Can we schedule this for May 19? Doug, do you have a parachute
> to test? I
> > have four parachutes to test.
> >
> > Paul

> >
> > > -----Original Message-----
> > > From: Mike Murray [mailto:murray@...]
> > > Sent: Friday, May 04, 2001 11:13 AM
> > > To: tvnsp@yahoogroups.com
> > > Subject: RE: [tvnsp] Parachute Questions
> > >
> > >
> > > Hi Paul (everyone),
> > >
> > > At 11:00 AM 5/4/01 -0600, you wrote:
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> > > payload. That means we could be around half the descent rate
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> > > landing speed. If you go through with doing the same I'd
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> > > Mike.
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> > > **
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372. Re: [tvnsp] Parachute Questions

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-06 03:30:30 UTC
From: Jeff Melanson
Topic: 346 Message: 372

Hi John,

I would think we would need a few different speeds in order to graph the results. These speeds should simulate the range of speeds that would be encountered with different payloads. Paul could probably look at past data to see what the landing speed has been. In the reading I've done the desired landing speed ranges from 20 to 30 ft/sec. or 1200 to 1800 ft/min. or 14 to 20 mph. I would think we would want the softer landing but too slow a descent rate can also be a problem. By the way, we use a descent rate of 1200 ft/min for the balloon track prediction program. If the landing is 1200 ft/min then the average descent rate must be higher. Paul tells me that at burst altitude the balloon is descending at 130 mph which is 11,440 ft/min!

Jeff Melanson
KD7INN

John Knapp wrote:

> How fast does the vehicle have to go for the testing? Maybe we can discuss
> the testing at the next meeting.
>
> JohnK
>
> > -----Original Message-----
> > From: Jeff Melanson [mailto:kd7inn@...]
> > Sent: Saturday, May 05, 2001 8:26 PM
> > To: tvnsp@yahoogroups.com
> > Subject: Re: [tvnsp] Parachute Questions
> >
> >
> > Paul,
> >
> > http://members.aol.com/ricnakk/paratest.html
> >
> > Go to this web site and scroll down to parachute drag
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> > higher to keep it from dragging on the road. If it's held out to
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> > above the truck then truck turbulence would be minimized.
> >
> > Jeff Melanson
> > KD7INN

> >
> > Paul Verhage wrote:
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> > > This reminds me. During the winter we discussed taking
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> > > Can we schedule this for May 19? Doug, do you have a parachute
> > to test? I
> > > have four parachutes to test.
> > >
> > > Paul
> > >
> > > > -----Original Message-----
> > > > From: Mike Murray [mailto:murray@...]
> > > > Sent: Friday, May 04, 2001 11:13 AM
> > > > To: tvnsp@yahoogroups.com
> > > > Subject: RE: [tvnsp] Parachute Questions
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> > > >
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> > > >
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> > > > I'd be very interested in seeing what you come up with. I
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> > > > Mike.
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> > > > **********
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373. VIRUS!!!

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-06 15:24:37 UTC
From: Mike Garske
Topic: 373 Message: 373

To everyone on this list server, I want to both warn and apologize for a virus that I have unknowingly sent out through my email. I caught it on 5/4, and within five minutes of detecting it, I shut down my PC before it sent anymore. Unfortunately I found that it sent to this list before I could stop it. I just hope I haven't contributed in any extensive or permanent damage to anyones computer. This is the first chance I have had to warn anyone....

Any attachments with the *.scr or *pif extension is the virus, and it is not detected through anyones Hotmail account using McAfee Antivirus. I detected it using Norton AV 2001 and the latest definitions.

Again I am very sorry for this.....

Mike KC7DPD

374. Re: [tvnsp] VIRUS!!!

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-07 01:02:17 UTC
From: Jeff Melanson
Topic: 373 Message: 374
Attachments: 2 described; binary payloads are missing from this source WARC

Mike,

What files did you send that have those attachments? What does the
Virus do? Would we get the Virus just by recieving your email or do we
have to open the attachments?

Jeff Melanson
KD7INN

Mike Garske wrote:

> To everyone on this list server, I want to both warn and apologize for
> a virus that I have unknowingly sent out through my email. I caught it
> on 5/4, and within five minutes of detecting it, I shut down my PC
> before it sent anymore. Unfortunately I found that it sent to this
> list before I could stop it. I just hope I haven't contributed in any
> extensive or permanent damage to anyones computer. This is the first
> chance I have had to warn anyone.... Any attachments with the *.scr or
> *pif extension is the virus, and it is not detected through anyones
> Hotmail account using McAfee Antivirus. I detected it using Norton AV
> 2001 and the latest definitions. Again I am very sorry for
> this..... Mike KC7DPD
>
>
> Yahoo! Groups Sponsor
[www.debticated.com]

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>
>
>
> Your use of Yahoo! Groups is subject to the Yahoo! Terms of Service.

375. Re: [tvnsp] VIRUS!!!

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-07 02:26:55 UTC
From: Mike Garske
Topic: 373 Message: 375

Jeff,

I found attachments to your reply to my warning message, did you mean to send those? They were a couple *.gif files....

If you opened the attachments, it activated the virus. It is polymorphic, meaning it changes names and form. Just do not open it! The original name was news_doc.scr.

Mike KC7DPD
----- Original Message -----
From: Jeff Melanson
To: tvnsp@yahoogroups.com
Sent: Sunday, May 06, 2001 7:02 PM
Subject: Re: [tvnsp] VIRUS!!!

Mike,
What files did you send that have those attachments? What does the Virus do? Would we get the Virus just by recieving your email or do we have to open the attachments?

Jeff Melanson
KD7INN

Mike Garske wrote:

To everyone on this list server, I want to both warn and apologize for a virus that I have unknowingly sent out through my email. I caught it on 5/4, and within five minutes of detecting it, I shut down my PC before it sent anymore. Unfortunately I found that it sent to this list before I could stop it. I just hope I haven't contributed in any extensive or permanent damage to anyones computer. This is the first chance I have had to warn anyone.... Any attachments with the *.scr or *pif extension is the virus, and it is not detected through anyones Hotmail account using McAfee Antivirus. I detected it using Norton AV 2001 and the latest definitions. Again I am very sorry for this..... Mike KC7DPD

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376. RE: [tvnsp] VIRUS!!!

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-07 03:05:21 UTC
From: John Knapp
Topic: 373 Message: 376

I looked and I haven't received an attachment from you. Don't know what happened to them but at the moment I ain't complaining..... :-)

I did a fast, dirty calculation from Murphy, it looks like the ballon would land about 12 east of Oreana, about a mile or two east of the Snake River. I used a 1000 ascent rate, 1200 descent and a burst of 90,000. If memory servers me right, we may not be going this high. Paul, what would expect for this flight and what data should we be using for ascent, descent, and burst altitude?

JohnK - KD7HGS

-----Original Message-----
From: Mike Garske [mailto:kc7dpd@...]
Sent: Sunday, May 06, 2001 8:27 PM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] VIRUS!!!

Jeff,

I found attachments to your reply to my warning message, did you mean to send those? They were a couple *.gif files....

If you opened the attachments, it activated the virus. It is polymorphic, meaning it changes names and form. Just do not open it! The original name was news_doc.scr.

Mike KC7DPD
----- Original Message -----
From: Jeff Melanson
To: tvnsp@yahoogroups.com
Sent: Sunday, May 06, 2001 7:02 PM
Subject: Re: [tvnsp] VIRUS!!!

Mike,
What files did you send that have those attachments? What does the Virus do? Would we get the Virus just by recieving your email or do we have to open the attachments?

Jeff Melanson
KD7INN

Mike Garske wrote:

To everyone on this list server, I want to both warn and apologize for a virus that I have unknowingly sent out through my email. I caught it on 5/4, and within five minutes of detecting it, I shut down my PC before it sent anymore. Unfortunately I found that it sent to this list before I could

stop it. I just hope I haven't contributed in any extensive or permanent damage to anyones computer. This is the first chance I have had to warn anyone.... Any attachments with the *.scr or *pif extension is the virus, and it is not detected through anyones Hotmail account using McAfee Antivirus. I detected it using Norton AV 2001 and the latest definitions. Again I am very sorry for this..... Mike KC7DPD

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377. Re: [tvnsp] VIRUS!!!

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-07 03:14:50 UTC
From: Jeff Melanson
Topic: 373 Message: 377

Mike

I checked my email and I don't see any mail with attachments from
you. Is it possible that you stopped it on time?

Mike Garske wrote:

> To everyone on this list server, I want to both warn and apologize for
> a virus that I have unknowingly sent out through my email. I caught it
> on 5/4, and within five minutes of detecting it, I shut down my PC
> before it sent anymore. Unfortunately I found that it sent to this
> list before I could stop it. I just hope I haven't contributed in any
> extensive or permanent damage to anyones computer. This is the first
> chance I have had to warn anyone.... Any attachments with the *.scr or
> *pif extension is the virus, and it is not detected through anyones
> Hotmail account using McAfee Antivirus. I detected it using Norton AV
> 2001 and the latest definitions. Again I am very sorry for
> this..... Mike KC7DPD
>
>
> Yahoo! Groups Sponsor
[www.debticated.com]

>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to the Yahoo! Terms of Service.

378. Re: [tvnsp] VIRUS!!!

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-07 03:23:31 UTC
From: Mike Garske
Topic: 373 Message: 378

Jeff,

Check your Sent Items for any attachments you have sent, particularly the email sent to the group at 7:02PM today.

I am sure I got it stopped quick, but I checked my Sent Items and had sent 6 emails before I pulled the phone cord out of the wall.....

Mike KC7DPD

----- Original Message -----
From: "Jeff Melanson" <kd7inn@...>
To: <tvnsp@yahoogroups.com>
Sent: Sunday, May 06, 2001 9:14 PM
Subject: Re: [tvnsp] VIRUS!!!

> Mike
>
> I checked my email and I don't see any mail with attachments from
> you. Is it possible that you stopped it on time?
>
> Mike Garske wrote:
>
> > To everyone on this list server, I want to both warn and apologize for
> > a virus that I have unknowingly sent out through my email. I caught it
> > on 5/4, and within five minutes of detecting it, I shut down my PC
> > before it sent anymore. Unfortunately I found that it sent to this
> > list before I could stop it. I just hope I haven't contributed in any
> > extensive or permanent damage to anyones computer. This is the first
> > chance I have had to warn anyone.... Any attachments with the *.scr or
> > *pif extension is the virus, and it is not detected through anyones
> > Hotmail account using McAfee Antivirus. I detected it using Norton AV
> > 2001 and the latest definitions. Again I am very sorry for
> > this..... Mike KC7DPD
> >
> >
> > Yahoo! Groups Sponsor
> [www.debticated.com]
>
> >
> > To unsubscribe from this group, send an email to:
> > tvnsp-unsubscribe@egroups.com
> >
> >
> >
> > Your use of Yahoo! Groups is subject to the Yahoo! Terms of Service.

>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
>
>

379. Re: [tvnsp] VIRUS!!!

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-07 03:30:58 UTC
From: Jeff Melanson
Topic: 373 Message: 379

Mike,

I looked at it and I don't see any attachments. When I sent it my email program asked me if I wanted to send it as HTML or plain text or both. I selected both. I probably should have selected HTML. Could that cause the attachments?

Jeff Melanson
KD7INN

Mike Garske wrote:
>
> Jeff,
>
> Check your Sent Items for any attachments you have sent, particularly the
> email sent to the group at 7:02PM today.
>
> I am sure I got it stopped quick, but I checked my Sent Items and had sent 6
> emails before I pulled the phone cord out of the wall.......
>
> Mike KC7DPD
>

380. RE: [tvnsp] Parachute Questions

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-07 13:12:10 UTC
From: Paul Verhage
Topic: 346 Message: 380

Testing behind a truck can generate some drafting that might cause innacurate testing. It's probably a good idea to have a rather long tether to the chute to help minimize the effect of the drafting.
++++++++++++

I have a 100 foot tether to drag the parachute with.

Paul

381. RE: [tvnsp] Parachute Questions

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-07 13:13:06 UTC
From: Paul Verhage
Topic: 346 Message: 381

I want to test at speeds between 5 and 15 mph.

Paul

> -----Original Message-----
> From: John Knapp [mailto:jknapp@...]
> Sent: Saturday, May 05, 2001 8:53 PM
> To: tvnsp@yahoogroups.com
> Subject: RE: [tvnsp] Parachute Questions
>
>
> How fast does the vehicle have to go for the testing? Maybe
> we can discuss
> the testing at the next meeting.
>
> JohnK
>
> > -----Original Message-----
> > From: Jeff Melanson [mailto:kd7inn@...]
> > Sent: Saturday, May 05, 2001 8:26 PM
> > To: tvnsp@yahoogroups.com
> > Subject: Re: [tvnsp] Parachute Questions
> >
> >
> > Paul,
> >
> > http://members.aol.com/ricnakk/paratest.html
> >
> > Go to this web site and scroll down to parachute drag
> > testing. I'm sure
> > this test setup can be adapted for a pickup truck rather than a
> > camero. Since
> > balloon parachutes are larger than rocket parachutes we would
> > have to lift it
> > higher to keep it from dragging on the road. If it's held out to
> > the side or
> > above the truck then truck turbulence would be minimized.
> >
> > Jeff Melanson
> > KD7INN
> >
> > Paul Verhage wrote:
> >
> > > This reminds me. During the winter we discussed taking
> > parachutes out to

> > > BLM lands for testing. Since I'm leaving in June, perhaps we
> > ought to do
> > > that this month. I think Gary was the one with the suggested
> > testing site.
> > > We need to tow the parachute behind a truck while
> measuring the pull the
> > > parachute generates. A GPS in the truck will give us
> accurate speeds.
> > >
> > > Can we schedule this for May 19? Doug, do you have a parachute
> > to test? I
> > > have four parachutes to test.
> > >
> > > Paul
> > >
> > > > -----Original Message-----
> > > > From: Mike Murray [mailto:murray@...]
> > > > Sent: Friday, May 04, 2001 11:13 AM
> > > > To: tvnsp@yahoogroups.com
> > > > Subject: RE: [tvnsp] Parachute Questions
> > > >
> > > >
> > > > Hi Paul (everyone),
> > > >
> > > > At 11:00 AM 5/4/01 -0600, you wrote:
> > > > >I found a formula for landing a payload at 22 fps from an
> > > > old rocketry
> > > > >magazine. I'll see if my book on recovery systems design
> > > > covers that.
> > > > >
> > > >
> > > > I'd be very interested in seeing what you come up with. I
> > > > did some rough
> > > > calculations on what our parachute might do, since it's quite
> > > > different
> > > > from yours. We have a 12-ft. parachute from Rocketman (High
> > > > Power Rocketry
> > > > Co.), with no spill hole but it does have split wedges on the
> > > > side for what
> > > > they estimate would be around a 15 ft/sec landing speed
> on a 12.5 lb.
> > > > payload. That means we could be around half the descent rate
> > > > of yours? If
> > > > you go strictly by how surface area affects drag, we could
> > > > potentially see
> > > > a descent rate of about one-third of yours -- does this
> sound right?
> > > >
> > > > If this is correct, assuming we did a flight at 6am
> this morning from

> > > > Bozeman, here's what we would have:
> > > >
> > > >
> > > > Descent Rate Landing Site Flight Duration
> > > >
> > > > 1200 ft/min 32 miles bearing 91 deg 131 min.
> > > >
> > > > 600 ft/min 42 miles bearing 90 deg 166 min.
> > > >
> > > > 400 ft/min 52 miles bearing 89 deg 202 min.
> > > >
> > > >
> > > > We are planning to do some tests with our parachute to
> > > > determine drag and
> > > > landing speed. If you go through with doing the same I'd
> > > > sure like to see
> > > > your numbers, so we could do some quantitative
> comparisons. Thanks!
> > > >
> > > > Mike.
> > > >
> > > >
> > > > **********
> > > > * Mike Murray - Assistant Director *
> > > > * Montana Space Grant Consortium *
> > > > * Dept. of Physics, Montana State University *
> > > > * Bozeman, MT 59717 *
> > > > * (406) 994-7309 http://www.montana.edu/msgc *
> > > > **********
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> > > > To unsubscribe from this group, send an email to:
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382. Helium

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-07 13:31:33 UTC
From: Paul Verhage
Topic: 382 Message: 382

I'll pick up helium tanks on Tuesday. John, can I drop them off at your house? I have a scanner that I'd like to test for the droppler, so if you have a few minutes, I'd like to hook it up while dropping off the tanks.

During lunch I'll start looking at winds aloft.

Paul

383. MRF

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-07 13:39:34 UTC
From: Paul Verhage
Topic: 383 Message: 383

The MRF looks good for Saturday. I wonder how long it will hold. Sunday's MRF is a disaster.

Paul

384. RE: [tvnsp] Parachute Questions

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-07 19:44:02 UTC
From: Paul Verhage
Topic: 346 Message: 384

I can't go to this site because of the campus filter. It sounds like he recommends raising the parachute above the car. I assume we can do this in the back of a truck (w/o camper shell). We'll need someone to operate the scale, another person to watch the GPS, and a third to record info. Oh, I guess we also need to add a fourth person to drive.

Perhaps we should run the tests from 10 to 20 mph. That will cover the range of reasonable descent rates.

Paul

> -----Original Message-----
> From: Jeff Melanson [mailto:kd7inn@...]
> Sent: Saturday, May 05, 2001 8:26 PM
> To: tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] Parachute Questions
>
>
> Paul,
>
> http://members.aol.com/ricnakk/paratest.html
>
> Go to this web site and scroll down to parachute drag
> testing. I'm sure
> this test setup can be adapted for a pickup truck rather than
> a camero. Since
> balloon parachutes are larger than rocket parachutes we would
> have to lift it
> higher to keep it from dragging on the road. If it's held out
> to the side or
> above the truck then truck turbulence would be minimized.
>
> Jeff Melanson
> KD7INN
>
> Paul Verhage wrote:
>
> > This reminds me. During the winter we discussed taking
> parachutes out to
> > BLM lands for testing. Since I'm leaving in June, perhaps
> we ought to do
> > that this month. I think Gary was the one with the
> suggested testing site.
> > We need to tow the parachute behind a truck while measuring
> the pull the
> > parachute generates. A GPS in the truck will give us

> accurate speeds.
> >
> > Can we schedule this for May 19? Doug, do you have a
> parachute to test? I
> > have four parachutes to test.
> >
> > Paul
> >
> > > -----Original Message-----
> > > From: Mike Murray [mailto:murray@...]
> > > Sent: Friday, May 04, 2001 11:13 AM
> > > To: tvnsp@yahoogroups.com
> > > Subject: RE: [tvnsp] Parachute Questions
> > > >
> > > >
> > > Hi Paul (everyone),
> > > >
> > > At 11:00 AM 5/4/01 -0600, you wrote:
> > > >I found a formula for landing a payload at 22 fps from an
> > > old rocketry
> > > >magazine. I'll see if my book on recovery systems design
> > > covers that.
> > > >
> > > >
> > > I'd be very interested in seeing what you come up with. I
> > > did some rough
> > > calculations on what our parachute might do, since it's quite
> > > different
> > > from yours. We have a 12-ft. parachute from Rocketman (High
> > > Power Rocketry
> > > Co.), with no spill hole but it does have split wedges on the
> > > side for what
> > > they estimate would be around a 15 ft/sec landing speed
> on a 12.5 lb.
> > > payload. That means we could be around half the descent rate
> > > of yours? If
> > > you go strictly by how surface area affects drag, we could
> > > potentially see
> > > a descent rate of about one-third of yours -- does this
> sound right?
> > > >
> > > If this is correct, assuming we did a flight at 6am this
> morning from
> > > Bozeman, here's what we would have:
> > > >
> > > >
> > > Descent Rate Landing Site Flight Duration
> > > >
> > > 1200 ft/min 32 miles bearing 91 deg 131 min.
> > > >

> > > 600 ft/min 42 miles bearing 90 deg 166 min.
> > >
> > > 400 ft/min 52 miles bearing 89 deg 202 min.
> > >
> > >
> > > We are planning to do some tests with our parachute to
> > > determine drag and
> > > landing speed. If you go through with doing the same I'd
> > > sure like to see
> > > your numbers, so we could do some quantitative
> comparisons. Thanks!
> > >
> > > Mike.
> > >
> > >
> > > **********
> > > * Mike Murray - Assistant Director *
> > > * Montana Space Grant Consortium *
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385. UFO Report -- Hello!

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-07 17:14:11 UTC
From: Rick Widmer
Topic: 385 Message: 385

Hello, I am Rick Widmer. I was at the MVAS meeting in Twin Falls last month, and I am looking forward to the launch from the CSI campus this summer. I'm sure you will see me then. In the mean time, I have signed up for this mailing list to keep up with what is happening in near space so I can keep MVAS members informed.

Anyway, I saw an interesting item on the Astronomy Discussion Forum you might be interested in. I won't spoil your fun by over-describing it, but I'm pretty sure the initial author was watching a balloon flight when he saw his "strange thing."

http://www.astronomyforum.net/forum.html?db=&topic_number=418

Rick Widmer
Secratery/Webmaster
Magic Valley Astronomical Society
http://www.mvas.net

386. RE: [tvnsp] UFO Report -- Hello!

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-07 21:00:27 UTC
From: Paul Verhage
Topic: 385 Message: 386

Yep, it sounded like a weather balloon. However you can't be sure from his description.

Umm, Neptune, um?

Paul

387. RE: [tvnsp] Helium

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-07 22:16:59 UTC
From: John Knapp
Topic: 382 Message: 387

Paul, you are more than welcome to come by. We should be home, give a call first - 888-6929. If there is no answer try our cell phone - 890-5519. I need to put the Doppler back on the truck Thursday PM anyway, we should be okay for then.

JohnK

> -----Original Message-----
> From: Paul Verhage [mailto:pverhage@...]
> Sent: Monday, May 07, 2001 7:32 AM
> To: 'tvnsp@yahoogroups.com'
> Subject: [tvnsp] Helium
>
>
> I'll pick up helium tanks on Tuesday. John, can I drop them off at your
> house? I have a scanner that I'd like to test for the droppler, so if you
> have a few minutes, I'd like to hook it up while dropping off the tanks.
>
> During lunch I'll start looking at winds aloft.
>
> Paul
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
>

388. Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-08 04:07:29 UTC
From: Jeff Melanson
Topic: 23 Message: 388

Paul,

When and where is the meeting? The usual place and time?

Jeff
KD7INN

389. RE: [tvnsp] Helium

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-07 23:21:55 UTC
From: John Knapp
Topic: 382 Message: 389

I need to learn to read. I believe you are talking about Tuesday night, I was thinking Thursday. Yes, we should be home.

JohnK

> -----Original Message-----
> From: Paul Verhage [mailto:pverhage@...]
> Sent: Monday, May 07, 2001 7:32 AM
> To: 'tvnsp@yahoogroups.com'
> Subject: [tvnsp] Helium
>
>
> I'll pick up helium tanks on Tuesday. John, can I drop them off at your
> house? I have a scanner that I'd like to test for the droppler, so if you
> have a few minutes, I'd like to hook it up while dropping off the tanks.
>
> During lunch I'll start looking at winds aloft.
>
> Paul
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
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>
>
>

390. Virus Alert #2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-08 12:36:40 UTC
From: Jeff Melanson
Topic: 390 Message: 390

Hi all,

Because of Mikes original virus alert I downloaded Norton Antivirus 2001 and checked my computer. Sure enough I had a virus. I don't know if it came from Mike or not. I don't think it did. I don't know how it transmits itself.

Virus Name: W32.HLLW.BYMER

Characteristics:

Polymorphic
Triggered Event
Memory Resident
This one infects EXE files. Norton found it in c:\windows\systems\wininit.exe.
It said the file could not be repaired so it quarantined it.

That's all I know. Go to http://www.symantecstore.com/ and download the try before you buy version. Downloading and setup does take some time. Is there anybody already running antivirus programs that detected anything? Does Yahoo groups check for viruses?

Jeff
KD7INN

391. RE: [tvnsp] Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-08 13:17:12 UTC
From: Paul Verhage
Topic: 23 Message: 391

I'll make reservations tonight. I'll set them for Friday, 6:00 to 8:00 pm
at the same Idho Pizza.

Paul

> -----Original Message-----
> From: Jeff Melanson [mailto:kd7inn@...]
> Sent: Monday, May 07, 2001 10:07 PM
> To: tvnsp@egroups.com
> Subject: [tvnsp] Meeting
>
>
> Paul,
>
> When and where is the meeting? The usual place and time?
>
> Jeff
> KD7INN
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to
> http://docs.yahoo.com/info/terms/
>
>

392. RE: [tvnsp] Helium

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-08 13:18:05 UTC
From: Paul Verhage
Topic: 382 Message: 392

Yep, I was talking about tonight (Tuesday).

Thanks,
Paul

> -----Original Message-----
> From: John Knapp [mailto:jknapp@...]
> Sent: Monday, May 07, 2001 5:22 PM
> To: tvnsp@yahoogroups.com
> Subject: RE: [tvnsp] Helium
>
>
> I need to learn to read. I believe you are talking about
> Tuesday night, I
> was thinking Thursday. Yes, we should be home.
>
> JohnK
>
> > -----Original Message-----
> > From: Paul Verhage [mailto:pverhage@...]
> > Sent: Monday, May 07, 2001 7:32 AM
> > To: 'tvnsp@yahoogroups.com'
> > Subject: [tvnsp] Helium
> >
> >
> > I'll pick up helium tanks on Tuesday. John, can I drop
> them off at your
> > house? I have a scanner that I'd like to test for the
> droppler, so if you
> > have a few minutes, I'd like to hook it up while dropping
> off the tanks.
> >
> > During lunch I'll start looking at winds aloft.
> >
> > Paul
> >
> > To unsubscribe from this group, send an email to:
> > tvnsp-unsubscribe@egroups.com
> >
> >
> >
> > Your use of Yahoo! Groups is subject to
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>
>

>

To unsubscribe from this group, send an email to:
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393. Re: [tvnsp] Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-08 15:20:47 UTC
From: randy farley
Topic: 23 Message: 393

Gang
I won't be able to attend this launch.
Have another commitment to attend.
Hope you have enough help on this flight.

On Tue, 8 May 2001 07:17:12 -0600
Paul Verhage <pverhage@...> wrote:
> I'll make reservations tonight. I'll set them for
> Friday, 6:00 to 8:00 pm
> at the same Idho Pizza.
>
> Paul
>
> > -----Original Message-----
> > From: Jeff Melanson [mailto:kd7inn@...]
> > Sent: Monday, May 07, 2001 10:07 PM
> > To: tvnsp@egroups.com
> > Subject: [tvnsp] Meeting
> >
> >
> > Paul,
> >
> > When and where is the meeting? The usual place and
> time?
> >
> > Jeff
> > KD7INN
> >
> > To unsubscribe from this group, send an email to:
> > tvnsp-unsubscribe@egroups.com
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> >
> >
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>
>
> Your use of Yahoo! Groups is subject to
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>
>

regards,

Randy

394. Status, 8 May

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-08 13:33:46 UTC
From: Paul Verhage
Topic: 394 Message: 394

The MRF predicts winds for Saturday morning to out of the east, southeast. However, they are also predicted to be light. In this case we will launch from Jordan Valley.

I finished the flight code last night. The camcorder switched on like it was suppose to. Its battery was recharged last night sucessfully. I'm currently running a test on the capsule and camera in class today. The capsule is programmed to wait an hour and then start up the camera. I'm concerned about the battery dying while waitning the hour, which is what seems to have happened last time.

No storms are predicted for Saturday, it's just a matter of what the winds decide to do.

For this flight, make predictions using an ascent rate of 750 fpm, descent of 1200 fpm, and max altitude of 70,000 feet.

The next meeting will be held this Friday, same time, same location.

Paul

395. RE: [tvnsp] Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-08 16:47:21 UTC
From: Paul Verhage
Topic: 23 Message: 395

Sorry to hear it, Randy. I guess we'll have Jeff and John S. with APRS.
John K. will have doppler.

Paul

> -----Original Message-----
> From: randy farley [mailto:rdfarley@...]
> Sent: Tuesday, May 08, 2001 9:21 AM
> To: tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] Meeting
>
>
> Gang
> I won't be able to attend this launch.
> Have another commitment to attend.
> Hope you have enough help on this flight.
>
>
> On Tue, 8 May 2001 07:17:12 -0600
> Paul Verhage <pverhage@...> wrote:
> > I'll make reservations tonight. I'll set them for
> > Friday, 6:00 to 8:00 pm
> > at the same Idho Pizza.
> >
> > Paul
> >
> > > -----Original Message-----
> > > From: Jeff Melanson [mailto:kd7inn@...]
> > > Sent: Monday, May 07, 2001 10:07 PM
> > > To: tvnsp@egroups.com
> > > Subject: [tvnsp] Meeting
> > >
> > >
> > > Paul,
> > >
> > > When and where is the meeting? The usual place and
> > time?
> > >
> > > Jeff
> > > KD7INN
> > >
> > > To unsubscribe from this group, send an email to:
> > > tvnsp-unsubscribe@egroups.com
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> > >

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> >
>
> regards,
>
> Randy
>
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>
>
>
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396. Re: [tvnsp] Status, 8 May

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-08 18:04:05 UTC
From: Stephanie Steele
Topic: 394 Message: 396

Hi Paul and Group,

I won't be able to attend this launch so you should have a successful event. If you're keeping track, the next time I have Saturday's off so that I could help jinx the launch would be June 9, 16, 23 and July 28. Hope you guys have fun.

Stephanie (the launch failure queen) Steele

397. Scanners and Laptops

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-08 18:28:38 UTC
From: Paul Verhage
Topic: 397 Message: 397

Walmart is selling the last of their Bearcat 45XLT scanners for $40. If you need to just recieve, for DFing or SSTV for example, youy might want to give one a try. You have to modify the silly antenna connector the scanner has, but that's easy with a Radio Shack BNC chassis connector.

HSC is selling 486 laptops for $129. It's part number HSC#18685. HSC's number is 1-800-4 HALTED. You can see their ad on the first page of Nuts And Volts.

Paul

398. RE: [tvnsp] Status, 8 May

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-08 19:11:04 UTC
From: Paul Verhage
Topic: 394 Message: 398

Our next launch is to train the Twin Falls clubs, both Astronomy and Radio.
It will be around the third week in July.

Paul

> -----Original Message-----
> From: Stephanie Steele [mailto:kc7dba@...]
> Sent: Tuesday, May 08, 2001 12:04 PM
> To: tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] Status, 8 May
>
>
> Hi Paul and Group,
>
> I won't be able to attend this launch so you should have a successful
> event. If you're keeping track, the next time I have Saturday's off so
> that I could help jinx the launch would be June 9, 16, 23 and July 28.
> Hope you guys have fun.
>
> Stephanie (the launch failure queen) Steele
>
>
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
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>

399. Status, 8 May, pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-08 20:50:12 UTC
From: Paul Verhage
Topic: 399 Message: 399

I ran the camcorder at school today. The capsule kept the camera off for one hour and then ran it for an hour. I then shut everything down and restarted the capsule. After running for 30 minutes, the battery had dropped low enough to shut off the camcorder.

Tonight I'll reprogram the flight code to wait 90 minutes before beginning the camcorder recording.

Paul

400. Re: Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-09 03:37:37 UTC
From: k7jps@arrl.net
Topic: 23 Message: 400

Will the launch be from JV or Rome? Sunrise is at about 6:30. I will be able to help with the launch and should be able to do most of the chase since it is on the way back to the Treasure Valley. If the recovery look's like it will take some time, I'll have to break away to make another commitment later in the morning.

I'm updating the check list, I've got the camcorder, the infra-red camera, and the thermochrons. Are there any other expirements we are running this time such as the insect habitat?

I stopped by D&B Supply the other day to look at possible options for the release mechanism. They have a 3/4" Double Swivel, Koch Industries part #2225. The size is a little small, but I was wondering if there was a larger version. The internal width is .75" which I do not feel is large enough for the lanyards to pass through, the external lenght is 2.75" and width is 1.25". We could tie the balloon to the upper ring and the load line to the lower ring, then protect the lines from being friction burned with a small amount of tape. Here is a rough diagram of it (best viewed with a fixed width font)

```
PPP ^
P P |
P P |
P P |
P n P |
PPPIPPP |
I 2.75"
dddIddd |
d u d |
d d |
d d |
d d |
ddd v

<-1.25->
```

My next thought was magician's rings, but then the magic winds would probably figure out how to get them separated, so maybe not. :)

John Stone
K7JPS

--- In tvnsp@y..., Paul Verhage <pverhage@s...> wrote:
> Sorry to hear it, Randy. I guess we'll have Jeff and John S. with APRS.
> John K. will have doppler.

>
> Paul
>

401. RE: [tvnsp] Re: Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-09 13:19:05 UTC
From: Paul Verhage
Topic: 23 Message: 401

> Will the launch be from JV or Rome? Sunrise is at about
> 6:30.

We'll try to J.V, if the winds remain light

> I'm updating the check list, I've got the camcorder, the
> infra-red camera, and the thermochrons. Are there any other
> expirements we are running this time such as the insect habitat?

Here's the list I brought in this morning (you read my mind).
Connect battery to camcorder
open IR camera
Power up pager
Remove lens covers from camcorder and IR camera
Power up the beacon.

When switching on power, there is two switches in the command module and none in the experiment module. There's one battery in the command module and two in the experiment module (camcorder and beacon).

During nearcraft assembly and test (N/CAT) we need to load the thermochrons (two of them), connect the cabins to ADC ports 0 to 3, connect sounder to ADC ports 4 to 7.

The morning of the launch we need to connect the camcorder to the expansion port and the IR camera to I/O pin zero, which is off by itself.

> I stopped by D&B Supply the other day to look at possible options for
> the release mechanism. They have a 3/4" Double Swivel, Koch
> Industries part #2225.

I know the item you mean. It may work, especailly if we do away with the loop at the ends of the lanyards.

If it looks like the lanyards get twiosted, then we'll have the lanyard ends cut simaltaneously.

Paul

402. Status, 10 May

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-10 13:23:33 UTC
From: Paul Verhage
Topic: 402 Message: 402

I met with the Twin Falls club last night (what a drive). Several of them are interested in helping out. However it is a small club. The Expo center at CSI will be an excellent place to launch balloons from. Very large doors.

Currently the winds aloft are very fast. Over the next 48 hours they are predicted to slow down and turn slightly to the north. I think launching from J.V. will work fine. However I'd like to determine which is further south, Murphy or JV.

If we launched from Twin Falls, the winds would carry the balloon east, and not north.

Paul

403. RE: [tvnsp] Status, 10 May

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-10 20:57:55 UTC
From: John Knapp
Topic: 402 Message: 403

Paul, where you going to pick up several maps of Owyhee and Malhuer Counties? If not let me know - call our cell: 8905519.

JohnK

> -----Original Message-----
> From: Paul Verhage [mailto:pverhage@...]
> Sent: Thursday, May 10, 2001 7:24 AM
> To: 'tvnsp@egroups.com'
> Subject: [tvnsp] Status, 10 May
>
>
> I met with the Twin Falls club last night (what a drive). Several of them
> are interested in helping out. However it is a small club. The
> Expo center
> at CSI will be an excellent place to launch balloons from. Very large
> doors.
>
> Currently the winds aloft are very fast. Over the next 48 hours they are
> predicted to slow down and turn slightly to the north. I think launching
> from J.V. will work fine. However I'd like to determine which is further
> south, Murphy or JV.
>
> If we launched from Twin Falls, the winds would carry the balloon
> east, and
> not north.
>
> Paul
>
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404. RE: [tvnsp] Status, 10 May

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-10 21:31:49 UTC
From: Paul Verhage
Topic: 402 Message: 404

Proably not until after this weekend.

I won't have the time.

Paul

> -----Original Message-----
> From: John Knapp [mailto:jknapp@...]
> Sent: Thursday, May 10, 2001 2:58 PM
> To: tvnsp@yahoogroups.com
> Subject: RE: [tvnsp] Status, 10 May
>
>
> Paul, where you going to pick up several maps of Owyhee and Malhuer
> Counties? If not let me know - call our cell: 8905519.
>
> JohnK
>
> > -----Original Message-----
> > From: Paul Verhage [mailto:pverhage@...]
> > Sent: Thursday, May 10, 2001 7:24 AM
> > To: 'tvnsp@egroups.com'
> > Subject: [tvnsp] Status, 10 May
> >
> >
> > I met with the Twin Falls club last night (what a drive).
> Several of them
> > are interested in helping out. However it is a small club. The
> > Expo center
> > at CSI will be an excellent place to launch balloons from.
> Very large
> > doors.
> >
> > Currently the winds aloft are very fast. Over the next 48
> hours they are
> > predicted to slow down and turn slightly to the north. I
> think launching
> > from J.V. will work fine. However I'd like to determine
> which is further
> > south, Murphy or JV.
> >
> > If we launched from Twin Falls, the winds would carry the balloon
> > east, and
> > not north.
> >
> > Paul

> >
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405. Re: [tvnsp] Status, 10 May

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-10 23:30:04 UTC
From: Jeff Melanson
Topic: 402 Message: 405

Paul Verhage wrote:
>
> Currently the winds aloft are very fast. Over the next 48 hours they are
> predicted to slow down and turn slightly to the north. I think launching
> from J.V. will work fine. However I'd like to determine which is further
> south, Murphy or JV.

Paul,

J.V. is 30 miles South West of Murphy as the bird fly's.

Jeff
KD7INN

406. Reading Material

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-11 16:46:08 UTC
From: Jeff Melanson
Topic: 406 Message: 406

Paul,

Please don't forget the reading material we talked about. Perhaps you can bring it to the meeting with you.

Thanks

Jeff
KD7INN

407. RE: [tvnsp] Reading Material

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-11 21:20:35 UTC
From: Paul Verhage
Topic: 406 Message: 407

I copied it last night.

Paul

> -----Original Message-----
> From: Jeff Melanson [mailto:kd7inn@...]
> Sent: Friday, May 11, 2001 10:46 AM
> To: tvnsp@yahoogroups.com
> Subject: [tvnsp] Reading Material
>
>
> Paul,
>
> Please don't forget the reading material we talked
> about. Perhaps you
> can bring it to the meeting with you.
>
> Thanks
>
> Jeff
> KD7INN
>
> To unsubscribe from this group, send an email to:
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408. Summary of Pre-Launch Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-12 03:46:45 UTC
From: Jeff Melanson
Topic: 408 Message: 408

Hi all,

We decided to launch from Jordan Valley based on weather predictions. We think the Near Space Capsule will land just SW of Kuna. Any other launch points put the landing sites in undesirable locations. We will meet at 5:15 AM at the corner of Highways 55 and 78 in Marsing. There is a gas station on the SW corner.
We will be using a 600 gram balloon and expect to reach an altitude of 70,000 ft. The capsule will have the following items:
1. A camcorder to record the first landing with clear video. We will turn the camcorder on at 60,000 ft or if balloon burst is detected or 90 minutes into the flight, which ever comes first.
2. An infrared camera. I believe it is set to take a picture every 670 meters.
3. Tempature, humidity, and pressure will be recorded.
4. Two habitats with sensors for internal temperature and pressure.
5. Two thermochrons. (Did I get the name right?) One will measure the temperature inside one of the space capsules and the other will monitor the camcorder battery compartment temperature.
Currently there are only 5 crew members going on this launch. This is bare minimum for a launch. After the launch John Stone will have to depart for another commitment he has in the morning. After that I will have the only tracking station. John Knapp will have the doppler. We really need another crew member to help launch and chase. I need someone to ride along and help operate the tracking station. Is there anyone that can help? You do not have to have prior experience. If you can help just meet us in Marsing. I will check email before going to bed.

Jeff
KD7INN

409. RE: [tvnsp] Summary of Pre-Launch Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-12 04:07:18 UTC
From: John Knapp
Topic: 408 Message: 409

A quick check with the ballon tracking program shows a bearing of 74 degrees
and distance of 44 miles. Launched from Murphy it looks like it would land
in the Gowen Field impact area.

I would bet the bearing tomorrow morning would be even further north.
Something to consider in our launch.

JohnK

> -----Original Message-----
> From: Jeff Melanson [mailto:kd7inn@...]
> Sent: Friday, May 11, 2001 9:47 PM
> To: tvnsp@yahoogroups.com
> Subject: [tvnsp] Summary of Pre-Launch Meeting
>
>
> Hi all,
>
> We decided to launch from Jordan Valley based on weather
> predictions.
> We think the Near Space Capsule will land just SW of Kuna. Any other
> launch points put the landing sites in undesirable locations. We will
> meet at 5:15 AM at the corner of Highways 55 and 78 in Marsing. There is
> a gas station on the SW corner.
> We will be using a 600 gram balloon and expect to reach an
> altitude of
> 70,000 ft. The capsule will have the following items:
> 1. A camcorder to record the first landing with clear
> video. We will
> turn the camcorder on at 60,000 ft or if balloon burst is detected or 90
> minutes into the flight, which ever comes first.
> 2. An infrared camera. I believe it is set to take a
> picture every 670
> meters.
> 3. Tempature, humidity, and pressure will be recorded.
> 4. Two habitats with sensors for internal temperature and pressure.
> 5. Two thermochrons. (Did I get the name right?) One will
> measure the
> temperature inside one of the space capsules and the other will monitor
> the camcorder battery compartment temperature.
> Currently there are only 5 crew members going on this
> launch. This is
> bare minimum for a launch. After the launch John Stone will have to
> depart for another commitment he has in the morning. After that I will
> have the only tracking station. John Knapp will have the doppler. We
> really need another crew member to help launch and chase. I need someone

> to ride along and help operate the tracking station. Is there anyone
> that can help? You do not have to have prior experience. If you can help
> just meet us in Marsing. I will check email before going to bed.
>
> Jeff
> KD7INN
>
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410. KD4STH-11 is in the air

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-12 12:56:30 UTC
From: ke4slc
Topic: 410 Message: 410

The balloon is over 32,000 ft.

411. TVNSP flight airborne

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-12 13:45:24 UTC
From: Mark Conner
Topic: 187 Message: 411

KD4STH-11 is at 66,700 ft at 1340 UTC, about 7 miles west of Nampa, ID.

Mark D. Conner
E-mail: mconner@... n9xtn@...
Homepage: http://members.home.net/mconner1
"Arrogance and stupidity, all in the same package.....how efficient
of you!" - Ambassador Londo Mollari, Babylon 5

412. TV01C Recovered!

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-12 15:47:56 UTC
From: k7jps@arrl.net
Topic: 412 Message: 412

The Balloon was recoverd at 15:25 UTC (9:25 MDT)!
Flight Time was approximately 2 hours.

John Stone
K7JPS

413. Flight TV01C

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-12 21:34:18 UTC
From: Paul Verhage
Topic: 413 Message: 413

What a flight. We were able to launch in 45 minutes with just five people. The ascent was windless, although we did have a scare when a quick breeze began.

The landing occured on relatively flat terrain (for Idaho), and took less than an hour. The only thing less than perfect about the landing is that we weren't close enough to see the landing. Thanks goes to Stephanie and Doug for assistance in the recovery. They helped point us to the correct roads. Of course it would have been nicer if they could have been there on chase with us, maybe next time. I didn't get the gentleman's name who told us we could trespass on the gravel road, but thanks for the info.

The GPS stopped putting out a new altitude for about 10 minutes during the descent. But the lats and longs were good. We knew the capsule hadn't landed because it kept moving.

Upon landing the battery in the camcorder snapped lose, but otherwise the battery was located next to the capsule. We only had to walk about 100 feet to get the capsule, and this time it was only 5 feet above the road. After a dusty trip back, we stopped for breakfast/lunch with Dale, who caught up us during the last part of the chase. After John dropped me back off to my car, I checked the camcorder battery. The battery reported a full charge, indicating that it wasn't used.

At home I removed the 35mm camera from the capsule. The camera indicates the film is rewound. We know the camera was working because it took a picture before launch (as I expected). I'll remove the film cartridge after dark and get it developed on Monday. We should have IR pictures of Lake Lowell and other locations, including farms and desert.

Next I removed camcorder from the capsule and tried to replace the battery. The battery won't stay on the camcorder, a little plastic tab on the battery is broken. After two attempts to eject the video tape, I suceeded getting the 8mm tape out. The tape is half recorded! That means 60 minutes of video was recorded on this flight. A quick check of Jeff's log shows the camcorder started 59 minutes before the landing. Folks, it looks like we got a recording of landing.

I can't rewind video tape with my camcorder, so I can't see what we recorded. However it should be of the last part of the ascent, the balloon burst, the descent, and an abrupt cutoff at impact with the ground.

Who has an 8mm camcoder or 8mm VCR that we could use to duplicate the video? I can't find my RCA cables either. Call me on my cell phone (631-7162) if you can help me make a copy of my tape. Once I have that tape I'll make copies for the chase crews and Mark (who I owe a tape). Anyone else can have a copy, just give me a VHS tape.

Thanks for everyone's help.

Paul

414. Re: [tvnsp] Flight TV01C

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-13 00:25:59 UTC
From: Stephanie Steele
Topic: 413 Message: 414

Hi Paul,

I have a camera that you can use but I am working all night tonight and tomorrow. If you want to drive to Fruitland either call me on my cell at 230-5262 or call my dispatch 642-6006 and have me meet you at city hall. We can make a copy there. Glad it went well and sorry I missed it.

Stephanie

Paul Verhage wrote:

> What a flight. We were able to launch in 45 minutes with just five people.
> The ascent was windless, although we did have a scare when a quick breeze
> began.
>
> The landing occured on relatively flat terrain (for Idaho), and took less
> than an hour. The only thing less than perfect about the landing is that we
> weren't close enough to see the landing. Thanks goes to Stephanie and Doug
> for assistance in the recovery. They helped point us to the correct roads.
> Of course it would have been nicer if they could have been there on chase
> with us, maybe next time. I didn't get the gentleman's name who told us we
> could trespass on the gravel road, but thanks for the info.
>
> The GPS stopped putting out a new altitude for about 10 minutes during the
> descent. But the lats and longs were good. We knew the capsule hadn't
> landed because it kept moving.
>
> Upon landing the battery in the camcorder snapped lose, but otherwise the
> battery was located next to the capsule. We only had to walk about 100 feet
> to get the capsule, and this time it was only 5 feet above the road. After
> a dusty trip back, we stopped for breakfast/lunch with Dale, who caught up
> us during the last part of the chase. After John dropped me back off to my
> car, I checked the camcorder battery. The battery reported a full charge,
> indicating that it wasn't used.
>
> At home I removed the 35mm camera from the capsule. The camera indicates
> the film is rewound. We know the camera was working because it took a
> picture before launch (as I expected). I'll remove the film cartridge after
> dark and get it developed on Monday. We should have IR pictures of Lake
> Lowell and other locations, including farms and desert.
>
> Next I removed camcorder from the capsule and tried to replace the battery.
> The battery won't stay on the camcorder, a little plastic tab on the battery
> is broken. After two attempts to eject the video tape, I suceeded getting
> the 8mm tape out. The tape is half recorded! That means 60 minutes of
> video was recorded on this flight. A quick check of Jeff's log shows the

> camcorder started 59 minutes before the landing. Folks, it looks like we
> got a recording of landing.
>
> I can't rewind video tape with my camcorder, so I can't see what we
> recorded. However it should be of the last part of the ascent, the balloon
> burst, the descent, and an abrupt cutoff at impact with the ground.
>
> Who has an 8mm camcoder or 8mm VCR that we could use to duplicate the video?
> I can't find my RCA cables either. Call me on my cell phone (631-7162) if
> you can help me make a copy of my tape. Once I have that tape I'll make
> copies for the chase crews and Mark (who I owe a tape). Anyone else can
> have a copy, just give me a VHS tape.
>
> Thanks for everyone's help.
>
> Paul
>
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>
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415. RE: [tvnsp] Flight TV01C

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-13 00:28:21 UTC
From: John Knapp
Topic: 413 Message: 415

Thanks Paul. It was fun and I am glad our orginal thought on the Camcorder
and battery appears to be wrong. It makes for a really good day.

If anyone has the lat/long of the launch site and landing site please send
them to me. Also the altitude if possible.

Thanks

John - KD7HGS

> -----Original Message-----
> From: Paul Verhage [mailto:pverhage@...]
> Sent: Saturday, May 12, 2001 3:34 PM
> To: 'tvnsp@egroups.com'; 'knsp@egroups.com'
> Subject: [tvnsp] Flight TV01C
>
>
> What a flight. We were able to launch in 45 minutes with just
> five people.
> The ascent was windless, although we did have a scare when a quick breeze
> began.
>
> The landing occured on relatively flat terrain (for Idaho), and took less
> than an hour. The only thing less than perfect about the landing
> is that we
> weren't close enough to see the landing. Thanks goes to
> Stephanie and Doug
> for assistance in the recovery. They helped point us to the
> correct roads.
> Of course it would have been nicer if they could have been there on chase
> with us, maybe next time. I didn't get the gentleman's name who
> told us we
> could trespass on the gravel road, but thanks for the info.
>
> The GPS stopped putting out a new altitude for about 10 minutes during the
> descent. But the lats and longs were good. We knew the capsule hadn't
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>
> Upon landing the battery in the camcorder snapped lose, but otherwise the
> battery was located next to the capsule. We only had to walk
> about 100 feet
> to get the capsule, and this time it was only 5 feet above the
> road. After
> a dusty trip back, we stopped for breakfast/lunch with Dale, who caught up
> us during the last part of the chase. After John dropped me back
> off to my

> car, I checked the camcorder battery. The battery reported a full charge,
> indicating that it wasn't used.
>
> At home I removed the 35mm camera from the capsule. The camera indicates
> the film is rewound. We know the camera was working because it took a
> picture before launch (as I expected). I'll remove the film
> cartridge after
> dark and get it developed on Monday. We should have IR pictures of Lake
> Lowell and other locations, including farms and desert.
>
> Next I removed camcorder from the capsule and tried to replace
> the battery.
> The battery won't stay on the camcorder, a little plastic tab on
> the battery
> is broken. After two attempts to eject the video tape, I suceeded getting
> the 8mm tape out. The tape is half recorded! That means 60 minutes of
> video was recorded on this flight. A quick check of Jeff's log shows the
> camcorder started 59 minutes before the landing. Folks, it looks like we
> got a recording of landing.
>
> I can't rewind video tape with my camcorder, so I can't see what we
> recorded. However it should be of the last part of the ascent,
> the balloon
> burst, the descent, and an abrupt cutoff at impact with the ground.
>
> Who has an 8mm camcoder or 8mm VCR that we could use to duplicate
> the video?
> I can't find my RCA cables either. Call me on my cell phone (631-7162) if
> you can help me make a copy of my tape. Once I have that tape I'll make
> copies for the chase crews and Mark (who I owe a tape). Anyone else can
> have a copy, just give me a VHS tape.
>
> Thanks for everyone's help.
>
> Paul
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
>

416. Re: Flight TV01C

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-13 02:53:08 UTC
From: k7jps@arrl.net
Topic: 413 Message: 416

The launch site was Succor Creek Jct (a Succor creek is much better then a sucker wind), about 2.5 miles south of the Idaho/Oregon border on US Hwy 95. The lat/long was N 43.23014 W 117.06160 Alt. 4167'.

Paul was the only one with a GPS at the landing site so he will have to provide that data. I wasn't even to Middleton when you said that you were within 100 yards of the landing site, I wish now that I would have stayed with you until then.

When I contacted you on your way to breakfast, my battery was dying thats why you would only catch one word. (Note to self - Add power adaptor to shopping list.)

Does anyone have the names/call signs of the two gentlemen who assisted in the chase, the one who met us in Star, and the one who road his ATV out towards the landing site? I would like to record their names in the crew log for this flight.

John "I should have chased one more mile" Stone
K7JPS

--- In tvnsp@y..., "John Knapp" <jknapp@m...> wrote:
> Thanks Paul. It was fun and I am glad our orginal thought on the Camcorder
> and battery appears to be wrong. It makes for a really good day.
>
> If anyone has the lat/long of the launch site and landing site please send
> them to me. Also the altitude if possible.
>
> Thanks
>
> John - KD7HGS

417. TV01C, pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-13 21:04:26 UTC
From: Paul Verhage
Topic: 417 Message: 417

The camcorder recorded the sounds of the flight, but no images. It's a blank screen. I'll have a tech look at the camera. By the way, I need to review a tape I made during a ground test, and see if that was recorded.

Our max altitude was 66,990 feet, a little lower than I was expecting.

I'll drop off the IR film tomorrow after school, just after I dump that clanging tank of helium.

Paul

418. Flights TV01C and TV01D

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-15 13:18:32 UTC
From: Paul Verhage
Topic: 418 Message: 418

The IR film is at the processors. I'll know this afternoon how it went. The camcorder does record the camera operating during the flight, so I imagine we'll get the IR pictures. The last image is positioned over Lake Lowell, near 66,000 feet. It will proably show all of the lake and Nampa.

I finished editing the flight log. We're missing the first nine records and preflight data. Jeff, do you have a copy of this? If anyone would like a copy, send me email and I'll forward you a copy. Tonight I'll work on getting the log into a spreadsheet.

The TV01D flight is having a conference tonight. I'll fill you in on the details tomorrow. If anyone is interested in helping with the launches in Kansas (30 June), let me know. The flights will carry a copy of the Hitchhiker's Guide to the Galaxy in memory of Douglas Adams who passed away last Friday. The book will be signed by launch and chase crews before going up to around 90,000 feet. Afterwards the book will be returned to one of his fan clubs in England.

Paul

419. IR Film

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-15 19:47:26 UTC
From: Paul Verhage
Topic: 419 Message: 419

I just got a phone call from the developers. They say the film roll was unexposed. We heard the camera take pictures. I'll drop the camera off at a camera repair place and have them look it over. I can't believe this.

Paul

420. Re: [tvnsp] Flights TV01C and TV01D

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-16 04:21:01 UTC
From: Jeff Melanson
Topic: 418 Message: 420

Paul,

I was holding the balloon when the capsule was turned on. You and John Stone checked APRS but no one turned on the TNC logging. I turned it on after we launched the near space craft. This needs to be added to the checklist.
Did you get the ascent rate and Descent rate? I'm especially curious about how fast the capsule was descending when it meet the Earth.

KD7INN
Jeff

Paul Verhage wrote:
>
> The IR film is at the processors. I'll know this afternoon how it went.
> The camcorder does record the camera operating during the flight, so I
> imagine we'll get the IR pictures. The last image is positioned over Lake
> Lowell, near 66,000 feet. It will proably show all of the lake and Nampa.
>
> I finished editing the flight log. We're missing the first nine records and
> preflight data. Jeff, do you have a copy of this? If anyone would like a
> copy, send me email and I'll forward you a copy. Tonight I'll work on
> getting the log into a spreadsheet.

421. RE: [tvnsp] Flights TV01C and TV01D

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-16 12:58:29 UTC
From: Paul Verhage
Topic: 418 Message: 421

The data log is now in spreadsheet format. I'll begin processing data tonight and that data.

Paul

> -----Original Message-----
> From: Jeff Melanson [mailto:kd7inn@...]
> Sent: Tuesday, May 15, 2001 10:21 PM
> To: tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] Flights TV01C and TV01D
>
>
> Paul,
>
> I was holding the balloon when the capsule was turned
> on. You and John
> Stone checked APRS but no one turned on the TNC logging. I
> turned it on
> after we launched the near space craft. This needs to be added to the
> checklist.
> Did you get the ascent rate and Descent rate? I'm
> especially curious
> about how fast the capsule was descending when it meet the Earth.
>
> KD7INN
> Jeff
>
>
> Paul Verhage wrote:
> >
> > The IR film is at the processors. I'll know this afternoon
> how it went.
> > The camcorder does record the camera operating during the
> flight, so I
> > imagine we'll get the IR pictures. The last image is
> positioned over Lake
> > Lowell, near 66,000 feet. It will proably show all of the
> lake and Nampa.
> >
> > I finished editing the flight log. We're missing the first
> nine records and
> > preflight data. Jeff, do you have a copy of this? If
> anyone would like a
> > copy, send me email and I'll forward you a copy. Tonight
> I'll work on

> > getting the log into a spreadsheet.
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to
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>
>

422. June Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-16 15:27:59 UTC
From: Paul Verhage
Topic: 422 Message: 422

If anyone is planning to be vacationing near Kansas on 30 June, we could use some help with the four (and possibly five) balloon launches we're planning that morning. Talk about getting lots of launch experience in a short time!

Paul

423. Re: Flights TV01C and TV01D

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-17 12:24:22 UTC
From: k7jps@arrl.net
Topic: 418 Message: 423

I would like a copy of the TV01C data log if you would forward it to me at k7jps@....

I do have a line in the check list to turn on the APRS log, but we were too busy with the balloon to get to that until after launch.

I will be out of town this weekend, so if you are planning to do any parachute testing, I will not be able to help.

John S
K7JPS

--- In tvnsp@y..., Paul Verhage <pverhage@s...> wrote:
> The data log is now in spreadsheet format. I'll begin processing data
> tonight and that data.
>
> Paul

424. TV01C, first finding

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-17 19:57:21 UTC
From: Paul Verhage
Topic: 424 Message: 424

I've just started processing data on the spreadsheet. My first finding is that the pressure in the crushed cabin didn't leak out during the entire flight. Both cabins slowly leaked a little pressure, but nothing too bad. At around 50,000 feet the crushed cabin failed catastophically. In about 2.5 minutes it leaked to ambient pressure. The other cabin held up just fine.

Is anyone taking a June vacation near Kansas? We could use some help with the 30 June launch.

Paul

425. NSTAR balloon flight Saturday, May 19th

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-18 03:34:17 UTC
From: Mark Conner
Topic: 425 Message: 425

Nebraska Stratospheric Amateur Radio (NSTAR) will fly an amateur radio balloon payload on Saturday, May 19th. Launch time is scheduled for 8am CDT (1300 UTC) from west of Omaha, NE. APRS will be on 144.39 and a simplex repeater on 446.10 MHz. Range of the simplex repeater should be up to about 350 miles. Callsign will be N9XTN-11 and positions will be on FindU at http://www.findu.com/cgi-bin/find.cgi?n9xtn-11 . A camcorder will also be flown, which will record video and audio from launch to perhaps halfway into the descent.

Maximum altitude will be about 90,000 ft. Total flight time will be about 2.5 hours. For the lastest, see the KNSP list at http://groups.yahoo.com/group/KNSP .

73 de Mark N9XTN

Mark D. Conner
E-mail: mconner@... n9xtn@...
Homepage: http://members.home.net/mconner1
"Arrogance and stupidity, all in the same package.....how efficient of you!" - Ambassador Londo Mollari, Babylon 5

426. Last Flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-19 18:53:40 UTC
From: Paul Verhage
Topic: 426 Message: 426

I've updated the webpages for the last flight. under Other Products is the flight log and spreadsheet.

I need copies of any pictures taken during the flight. Let me know how much they cost you to duplicate. I'll add them once I've scanned them.

Paul

427. NSTAR is now 3.5 for 4

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-19 20:31:47 UTC
From: Mark Conner
Topic: 427 Message: 427

The video camera and simplex repeater fell off.

We noticed during the descent that the simplex repeater was no longer working, but didn't think a whole lot about it. Maybe the batteries died, or a connection came loose (I was having a few problems with it). When we picked up the payloads, we were one short.

I was using metal fishing line clasps (can't think of the proper name) to attach the payloads to the spreader ring for the parachute. The clasp used to attache the camcorder/simplex repeater package was completely gone. The load line for the bottom telemetry package was routed up through a wire tie on the back of the camcorder package, so that wire tie had to break too for the package to fall free. It's not difficult to believe that that wire tie failed in the cold. It was probably fortunate that the camcorder package didn't take the telemetry package with it when it went.

The last successful transmission through the simplex repeater was at 1449 UTC, which could easily have been as it was falling to earth. At that time, the balloon was near Mineola, IA at:
N9XTN-11>APRS:/144917h4109.25N/09540.85WO099/013/A=054777 3D07Sats -2421FPM NSTAR 01B Smplx Rptr 446.1

After recovery, the chase team drove around this area, hoping to bring up the simplex repeater. No luck. My guess is that the video camera is ruined, the simplex repeater unit is cracked but may work. The VX-1R and the camcorder's battery should be salvagable if the package can be found. Impact velocity was probably around 125 mph.

On the good side, the rest of the flight went well. The simplex repeater was a big hit, both figuratively and then literally. Max altitude was just over 95,384 ft, the highest NSTAR flight. We should have a long-distance QSO recorded between Sioux City IA and Joplin MO, or about 380 miles.

The container that departed the formation was the first NSTAR capsule, which had made about eight flights total. RIP. (Rest in Pieces)

More later after a beer and some data analysis. E-mail any logged data if you have it - thanks.

73 de Mark N9XTN

Mark D. Conner
E-mail: mconner@... n9xtn@...
Homepage: http://members.home.net/mconner1
"Arrogance and stupidity, all in the same package.....how efficient of you!" - Ambassador Londo Mollari, Babylon 5

428. RE: [tvnsp] NSTAR is now 3.5 for 4

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-20 20:04:11 UTC
From: Paul Verhage
Topic: 427 Message: 428

> The video camera and simplex repeater fell off.

!!!!!

> I was using metal fishing line clasps (can't think of the
> proper name) to
> attach the payloads to the spreader ring for the parachute.

I think you're referring to a snap swivel. I wish I knew you were using one. On my first ablloon attempt way back in 1996 we used one. It broke free, letting the balloon take off sucessfully, but leaving me with a grounded capsule.

> It's not difficult to believe that
> that wire tie
> failed in the cold.

Is this a nylon wire tie you're talking about?

I wonder if the payload broke free when the balloon burst. Some of the KNSP video shows it can be pretty rough.

> Impact velocity was probably around 125 mph.

Ouch.

> The container that departed the formation was the first NSTAR
> capsule, which
> had made about eight flights total. RIP. (Rest in Pieces)
>
> More later after a beer and some data analysis. E-mail any
> logged data if
> you have it - thanks.

I'm sorry to hear about the failures. Your description made me smile, thanks. I try to keep a positive attitude when my flights fail, and sometimes it's a difficult thing to do.

Paul

429. RE: [KNSP] NSTAR is now 3.5 for 4

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-20 20:27:56 UTC
From: Paul Verhage
Topic: 429 Message: 429

> > The video camera and simplex repeater fell off.

If you can recover the video tape, it ought to be pretty awesome. I imagine it would land a little downwind from the burst point.

Paul

430. Magnetic Signs

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-28 19:38:08 UTC
From: Paul Verhage
Topic: 430 Message: 430

Office Depot sells magnetic signs for $40 a pair. The signs are your choice of colored letters on white. They measure 8" by 18".

I've ordered two for my car. Printed on them is,

Treasure Valley Near Space Program
Tracking and Recovery

Paul

431. Summer Launches

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-29 16:55:42 UTC
From: Paul Verhage
Topic: 431 Message: 431

I have a class in Florida in July and won't be able to launch until the last week in July. Can we do the ATV flight in Twin on the 28th?

It will be another two weeks after that before the meteor flight.

While in Florida I have three days to spend on my own events. I plan to spend one of those days at the cape.

Paul

432. Re: [tvnsp] Magnetic Signs

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-30 03:42:36 UTC
From: Tim Rynearson
Topic: 430 Message: 432

Paul,
You might be a bit wary of something priced like this. My guess is that they just run the magnetic media thru an inkjet printer, and environmental exposure to the inks will fade them REALLY fast.

Tim, N7UBO

-------Original Message-------

From:Paul Verhage
Date: Monday, May 28, 2001 01:31:04 PM
To:'tvnsp@egroups.com'; 'knsp@egroups.com'
Subject: [tvnsp] Magnetic Signs

Office Depot sells magnetic signs for $40 a pair. The signs are your choice
of colored letters on white. They measure 8" by 18".

I've ordered two for my car. Printed on them is,

Treasure Valley Near Space Program
Tracking and Recovery

Paul

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433. Re: [tvnsp] Magnetic Signs

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-30 04:57:03 UTC
From: Craig Brunson
Topic: 430 Message: 433

Check out http://www.signpeddler.com/ This is Steve, N7VIC out of Hillsboro, Oregon. His magnetic signs have vinyl lettering. He goes to many hamfests (including SeaPac this weekend).

Craig, N7TSZ
----- Original Message -----
From: Tim Rynearson
To: tvnsp@yahoogroups.com
Sent: Tuesday, May 29, 2001 8:42 PM
Subject: Re: [tvnsp] Magnetic Signs

Paul,
You might be a bit wary of something priced like this. My guess is that they just run the magnetic media thru an inkjet printer, and environmental exposure to the inks will fade them REALLY fast.

Tim, N7UBO

-------Original Message-------

From:Paul Verhage
Date: Monday, May 28, 2001 01:31:04 PM
To:'tvnsp@egroups.com'; 'knsp@egroups.com'
Subject: [tvnsp] Magnetic Signs

Office Depot sells magnetic signs for $40 a pair. The signs are your choice
of colored letters on white. They measure 8" by 18".

I've ordered two for my car. Printed on them is,

Treasure Valley Near Space Program
Tracking and Recovery

Paul

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434. RE: [tvnsp] Magnetic Signs

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-30 13:25:37 UTC
From: Paul Verhage
Topic: 430 Message: 434

They're suppose to last 5 years with exposure to the sun. I'll let you know how it turns out.

Paul

-----Original Message-----
From: Tim Rynearson [mailto:n7ubo@...]
Sent: Tuesday, May 29, 2001 9:43 PM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] Magnetic Signs

Paul,
You might be a bit wary of something priced like this. My guess is that they just run the magnetic media thru an inkjet printer, and environmental exposure to the inks will fade them REALLY fast.

Tim, N7UBO

-------Original Message-------

From:Paul Verhage
Date: Monday, May 28, 2001 01:31:04 PM
To:'tvnsp@egroups.com'; 'knsp@egroups.com'
Subject: [tvnsp] Magnetic Signs

Office Depot sells magnetic signs for $40 a pair. The signs are your choice of colored letters on white. They measure 8" by 18".

I've ordered two for my car. Printed on them is,

Treasure Valley Near Space Program
Tracking and Recovery

Paul

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435. Re: [tvnsp] Summer Launches

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-30 22:48:07 UTC
From: Randy Farley
Topic: 431 Message: 435

I should be able to make this flight Paul if you need the help. It's a long drive, but worth it to meet new participants from that area. Hated missing the last one. Starting to get helium withdrawals because of it now <:)

Paul Verhage wrote:

> I have a class in Florida in July and won't be able to launch until the last
> week in July. Can we do the ATV flight in Twin on the 28th?
>
> It will be another two weeks after that before the meteor flight.
>
> While in Florida I have three days to spend on my own events. I plan to
> spend one of those days at the cape.
>
> Paul
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

--
Regards,
Randy Farley
N7GPS -Ham Call-
My Home at: http://map.findu.com/n7gps
Find my pickup at: http://map.findu.com/n7gps-9
or Find my ATV at: http://map.findu.com/n7gps-7

436. RE: [tvnsp] Summer Launches

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-31 13:08:40 UTC
From: Paul Verhage
Topic: 431 Message: 436

And it was a prefect flight to boot.

Paul

> -----Original Message-----
> From: Randy Farley [mailto:rdfarley@...]
> Sent: Wednesday, May 30, 2001 4:48 PM
> To: tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] Summer Launches
>
>
> I should be able to make this flight Paul if you need the
> help. It's a long
> drive, but worth it to meet new participants from that area.
> Hated missing the
> last one. Starting to get helium withdrawals because of it now <:)
>
> Paul Verhage wrote:
>
> > I have a class in Florida in July and won't be able to
> launch until the last
> > week in July. Can we do the ATV flight in Twin on the 28th?
> >
> > It will be another two weeks after that before the meteor flight.
> >
> > While in Florida I have three days to spend on my own
> events. I plan to
> > spend one of those days at the cape.
> >
> > Paul
> >
> > To unsubscribe from this group, send an email to:
> > tvnsp-unsubscribe@egroups.com
> >
> >
> >
> > Your use of Yahoo! Groups is subject to
http://docs.yahoo.com/info/terms/

--
Regards,
Randy Farley
N7GPS -Ham Call-
My Home at: http://map.findu.com/n7gps
Find my pickup at: http://map.findu.com/n7gps-9
or Find my ATV at: http://map.findu.com/n7gps-7

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437. Chase Song

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-31 13:23:28 UTC
From: Paul Verhage
Topic: 437 Message: 437

While, occasionally, working on my book, I try to develop top ten lists. One of the lists is songs to play while doing balloon chases. One of the songs I selected is Willie Nelson's "On The Road Again". Well, to be a little more creative, I decided to "fix up" the lyrics. Here's what I have.

On the road again
Just can't wait to get on the road again
My best time is near space chasing with my friends
And I can't wait to get on the road again

On the road again
Driving roads that I've never been
Searching fields for what I'll never find again
I can't wait to get on the road again

On the road again
Looking like the X-Files we drive down the highway
We're the best of friends
Predicting that the stack is drifting our way
And our way.....

Is on the road again

Okay, so perhaps I shouldn't give up my day job.
I'll work on it some more this summer. I still need to work on the second half.

Paul "Part time song writer" Verhage

438. Re: [tvnsp] Chase Song

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-05-31 21:47:07 UTC
From: Randy Farley
Topic: 437 Message: 438

Paul, you need some R&R. I think the helium and/or the kids you teach are
getting to you. Just kidding, maybe you could get Willie to sponsor a flight
Your Day job could be in jeopardy, you got some lyrical talent. <;)

Paul Verhage wrote:

> While, occasionally, working on my book, I try to develop top ten lists.
> One of the lists is songs to play while doing balloon chases. One of the
> songs I selected is Willie Nelson's "On The Road Again". Well, to be a
> little more creative, I decided to "fix up" the lyrics. Here's what I have.
>
> On the road again
> Just can't wait to get on the road again
> My best time is near space chasing with my friends
> And I can't wait to get on the road again
>
> On the road again
> Driving roads that I've never been
> Searching fields for what I'll never find again
> I can't wait to get on the road again
>
> On the road again
> Looking like the X-Files we drive down the highway
> We're the best of friends
> Predicting that the stack is drifting our way
> And our way.....
>
> Is on the road again
>
> Okay, so perhaps I shouldn't give up my day job.
> I'll work on it some more this summer. I still need to work on the second
> half.
>
> Paul "Part time song writer" Verhage
>
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> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

--
Regards,
Randy Farley
N7GPS -Ham Call-

My Home at: http://map.findu.com/n7gps
Find my pickup at: http://map.findu.com/n7gps-9
or Find my ATV at: http://map.findu.com/n7gps-7

439. Re: Summer Launches

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-06-01 04:41:53 UTC
From: k7jps@arrl.net
Topic: 431 Message: 439

If I have to wait that long... I hope to be there to help with both flights and try out some new tracking equipment.

John "Wish I Could Make Kansas" Stone
K7JPS

--- In tvnsp@y..., Paul Verhage <pverhage@s...> wrote:
> I have a class in Florida in July and won't be able to launch until
> the last week in July. Can we do the ATV flight in Twin on the >
28th?
>
> It will be another two weeks after that before the meteor flight.

440. RE: [tvnsp] Chase Song

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-06-01 13:08:26 UTC
From: Paul Verhage
Topic: 437 Message: 440

I gotta find something to do in all this free time!

Actually, all I have is free time after lunch today!!
Yippy!!!

Paul

> -----Original Message-----
> From: Randy Farley [mailto:rdfarley@...]
> Sent: Thursday, May 31, 2001 3:47 PM
> To: tvnsp@yahoogroups.com
> Cc: 'knsp@egroups.com'
> Subject: Re: [tvnsp] Chase Song
>
>
> Paul, you need some R&R. I think the helium and/or the kids
> you teach are
> getting to you. Just kidding, maybe you could get Willie to
> sponsor a flight
> Your Day job could be in jeopardy, you got some lyrical talent. <;)
>
> Paul Verhage wrote:
>
> > While, occasionally, working on my book, I try to develop
> top ten lists.
> > One of the lists is songs to play while doing balloon
> chases. One of the
> > songs I selected is Willie Nelson's "On The Road Again".
> Well, to be a
> > little more creative, I decided to "fix up" the lyrics.
> Here's what I have.
> >
> > On the road again
> > Just can't wait to get on the road again
> > My best time is near space chasing with my friends
> > And I can't wait to get on the road again
> >
> > On the road again
> > Driving roads that I've never been
> > Searching fields for what I'll never find again
> > I can't wait to get on the road again
> >
> > On the road again
> > Looking like the X-Files we drive down the highway
> > We're the best of friends
> > Predicting that the stack is drifting our way

> > And our way.....
> >
> > Is on the road again
> >
> > Okay, so perhaps I shouldn't give up my day job.
> > I'll work on it some more this summer. I still need to
> work on the second
> > half.
> >
> > Paul "Part time song writer" Verhage
> >
> > To unsubscribe from this group, send an email to:
> > tvnsp-unsubscribe@egroups.com
> >
> >
> >
> > Your use of Yahoo! Groups is subject to
> http://docs.yahoo.com/info/terms/
>
> --
> Regards,
> Randy Farley
> N7GPS -Ham Call-
> My Home at: http://map.findu.com/n7gps
> Find my pickup at: http://map.findu.com/n7gps-9
> or Find my ATV at: http://map.findu.com/n7gps-7
>
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to
> http://docs.yahoo.com/info/terms/
>
>

441. RE: [tvnsp] Re: Summer Launches

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-06-02 02:18:50 UTC
From: John Knapp
Topic: 431 Message: 441

It looks like Deb and I can make the July launch, but we will not be able to make the August launch (darn). I to is having He withdrawal.

JohnK
KD7HGS

> -----Original Message-----
> From: k7jps@... [mailto:k7jps@...]
> Sent: Thursday, May 31, 2001 10:42 PM
> To: tvnsp@yahoogroups.com
> Subject: [tvnsp] Re: Summer Launches
>
>
> If I have to wait that long... I hope to be there to help with both
> flights and try out some new tracking equipment.
>
> John "Wish I Could Make Kansas" Stone
> K7JPS
>
> --- In tvnsp@y..., Paul Verhage <pverhage@s...> wrote:
> > I have a class in Florida in July and won't be able to launch until
> > the last week in July. Can we do the ATV flight in Twin on the >
> 28th?
> >
> > It will be another two weeks after that before the meteor flight.
>
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
>

442. RE: [tvnsp] Chase Song

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-06-08 03:06:00 UTC
From: John Knapp
Topic: 437 Message: 442

Does anyone know where the cables that where loaned for the DCI control station are? I am in the need of them and would like them back.

Thanks
John Knapp
KD7HGS

> -----Original Message-----
> From: Paul Verhage [mailto:pverhage@...]
> Sent: Friday, June 01, 2001 7:08 AM
> To: 'tvnsp@yahoogroups.com'
> Subject: RE: [tvnsp] Chase Song
>
>
> I gotta find something to do in all this free time!
>
> Actually, all I have is free time after lunch today!!
> Yippy!!!
>
> Paul
>
> > -----Original Message-----
> > From: Randy Farley [mailto:rdfarley@...]
> > Sent: Thursday, May 31, 2001 3:47 PM
> > To: tvnsp@yahoogroups.com
> > Cc: 'knsp@egroups.com'
> > Subject: Re: [tvnsp] Chase Song
> >
> >
> > Paul, you need some R&R. I think the helium and/or the kids
> > you teach are
> > getting to you. Just kidding, maybe you could get Willie to
> > sponsor a flight
> > Your Day job could be in jeopardy, you got some lyrical talent. <;)
> >
> > Paul Verhage wrote:
> >
> > > While, occasionally, working on my book, I try to develop
> > top ten lists.
> > > One of the lists is songs to play while doing balloon
> > chases. One of the
> > > songs I selected is Willie Nelson's "On The Road Again".
> > Well, to be a
> > > little more creative, I decided to "fix up" the lyrics.
> > Here's what I have.

> > >
> > > On the road again
> > > Just can't wait to get on the road again
> > > My best time is near space chasing with my friends
> > > And I can't wait to get on the road again
> > >
> > > On the road again
> > > Driving roads that I've never been
> > > Searching fields for what I'll never find again
> > > I can't wait to get on the road again
> > >
> > > On the road again
> > > Looking like the X-Files we drive down the highway
> > > We're the best of friends
> > > Predicting that the stack is drifting our way
> > > And our way.....
> > >
> > > Is on the road again
> > >
> > > Okay, so perhaps I shouldn't give up my day job.
> > > I'll work on it some more this summer. I still need to
> > work on the second
> > > half.
> > >
> > > Paul "Part time song writer" Verhage
> > >
> > > To unsubscribe from this group, send an email to:
> > > tvnsp-unsubscribe@egroups.com
> > >
> > >
> > >
> > > Your use of Yahoo! Groups is subject to
> > http://docs.yahoo.com/info/terms/
> >
> > --
> > Regards,
> > Randy Farley
> > N7GPS -Ham Call-
> > My Home at: http://map.findu.com/n7gps
> > Find my pickup at: http://map.findu.com/n7gps-9
> > or Find my ATV at: http://map.findu.com/n7gps-7
> >
> >
> >
> > To unsubscribe from this group, send an email to:
> > tvnsp-unsubscribe@egroups.com
> >
> >
> >
> > Your use of Yahoo! Groups is subject to

> > http://docs.yahoo.com/info/terms/
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> >
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
>

443. The Bozeman Group: First Launch!

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-06-08 17:55:54 UTC
From: Mike Murray
Topic: 443 Message: 443
Attachments: 1 described; binary payloads are missing from this source WARC

Greetings Paul and everyone in the TVNSP group,

I just wanted to let you know that the new Balloon group at MSU-Bozeman had its first successful balloon flight yesterday! As some of you know, this is the new program started by the Montana Space Grant Consortium, now called BOREALIS ("Balloon Outreach, Research, Exploration And Land Imaging System").

Our test flight was a great success! The launch was from the airport in Big Timber, Montana (between Bozeman and Billings) at 5:57 am MDT. We used a 300g balloon, complete with digital camera, HOBO, radio, GPS, and UHF repeater. Probably the most well known amateur radio enthusiast in the state, Bill Erhart (K7MT) from Helena, assisted on this flight. His repeater allowed us to post our APRS packets over the APRS website, and HAMS all across Montana (and beyond) were watching the flight. We heard people talking on the radios about the flight all the way home to Bozeman!

We thought we had the right amount of lift in the balloon, but it only ended up rising at around 370 ft./min! However, we still made it to 45,341 feet, and landed east about 102 miles, north of Hardin, Montana, at 8:05 am. We recovered the payload about 90 minutes later.

This test flight carried with it a digital camera called IBIS ("Integrated Balloon Imaging System"), which returned 267 pictures from the 2 hour flight. You can see selected images taken by IBIS at:

http://physics.montana.edu/borealis/IBISbor0106A.html

Pictures of the launch and recovery operations will be posted soon, but I've attached one to give you an idea.

Our flight data is available at:

http://physics.montana.edu/borealis/bor0106A.html

If you would like more information about the BOREALIS project, how it works, and what's in store for the future, start at our main homepage:

http://physics.montana.edu/borealis/

MANY thanks to all of you who have been so nice to us and giving of your time to help us get started with this project. We couldn't have done it without you!

Mike.

444. RE: [tvnsp] The Bozeman Group: First Launch!

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-06-08 22:14:24 UTC
From: John Knapp
Topic: 443 Message: 444

Cool, and congrats.

John KNapp
KD7HGS

> -----Original Message-----
> From: Mike Murray [mailto:murray@...]
> Sent: Friday, June 08, 2001 11:56 AM
> To: tvnsp@yahoogroups.com
> Subject: [tvnsp] The Bozeman Group: First Launch!
>
>
> Greetings Paul and everyone in the TVNSP group,
>
> I just wanted to let you know that the new Balloon group at
> MSU-Bozeman had
> its first successful balloon flight yesterday! As some of you know, this
> is the new program started by the Montana Space Grant Consortium, now
> called BOREALIS ("Balloon Outreach, Research, Exploration And Land Imaging
> System").
>
> Our test flight was a great success! The launch was from the airport in
> Big Timber, Montana (between Bozeman and Billings) at 5:57 am
> MDT. We used
> a 300g balloon, complete with digital camera, HOBO, radio, GPS, and UHF
> repeater. Probably the most well known amateur radio enthusiast in the
> state, Bill Erhart (K7MT) from Helena, assisted on this flight. His
> repeater allowed us to post our APRS packets over the APRS website, and
> HAMS all across Montana (and beyond) were watching the flight. We heard
> people talking on the radios about the flight all the way home to Bozeman!
>
> We thought we had the right amount of lift in the balloon, but it only
> ended up rising at around 370 ft./min! However, we still made it
> to 45,341
> feet, and landed east about 102 miles, north of Hardin, Montana, at 8:05
> am. We recovered the payload about 90 minutes later.
>
> This test flight carried with it a digital camera called IBIS ("Integrated
> Balloon Imaging System"), which returned 267 pictures from the 2 hour
> flight. You can see selected images taken by IBIS at:
>
> http://physics.montana.edu/borealis/IBISbor0106A.html
>
> Pictures of the launch and recovery operations will be posted soon, but
> I've attached one to give you an idea.

>
> Our flight data is available at:
>
> http://physics.montana.edu/borealis/bor0106A.html
>
> If you would like more information about the BOREALIS project, how it
> works, and what's in store for the future, start at our main homepage:
>
> http://physics.montana.edu/borealis/
>
> MANY thanks to all of you who have been so nice to us and giving of your
> time to help us get started with this project. We couldn't have done it
> without you!
>
> Mike.
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>

445. Re: [tvnsp] Chase Song

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-06-09 01:15:39 UTC
From: Randy Farley
Topic: 437 Message: 445

John

What type of cables did you loan out? I do not show any growth in my inventory
of
cableing. Was it for the SSTV setup maybe?

John Knapp wrote:

> Does anyone know where the cables that where loaned for the DCI control
> station are? I am in the need of them and would like them back.
>

446. Re: [tvnsp] The Bozeman Group: First Launch!

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-06-09 01:44:03 UTC
From: Randy Farley
Topic: 443 Message: 446

All i can say is Wow!!

Congratulations gang, your homework really paid off.
The pictures were really nice. Loved the Yellowstone River shots.
Keep up the good work and keep on havin fun.

Mike Murray wrote:

> Greetings Paul and everyone in the TVNSP group,
>
> I just wanted to let you know that the new Balloon group at MSU-Bozeman had
> its first successful balloon flight yesterday! As some of you know, this
> is the new program started by the Montana Space Grant Consortium, now
> called BOREALIS ("Balloon Outreach, Research, Exploration And Land Imaging
> System").

<snip>

447. RE: [tvnsp] Chase Song

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-06-09 03:11:05 UTC
From: John Knapp
Topic: 437 Message: 447

I gave them to John Stone for use at DCI. I believe they are RG-(5?)8U (thin cable). There were three rolls, either 50 ft or 100ft per roll. They were terminated with right angle connectors. (They were previously used in a lan at work - I salvaged them for possible use at home.)

John Knapp
KD7HGS

> -----Original Message-----
> From: Randy Farley [mailto:rdfarley@...]
> Sent: Friday, June 08, 2001 7:16 PM
> To: tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] Chase Song
>
>
> John
>
> What type of cables did you loan out? I do not show any growth in
> my inventory
> of
> cableing. Was it for the SSTV setup maybe?
>
> John Knapp wrote:
>
> > Does anyone know where the cables that where loaned for the DCI control
> > station are? I am in the need of them and would like them back.
> >
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
>

448. Re: [tvnsp] The Bozeman Group: First Launch!

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-06-09 03:17:11 UTC
From: Jeff Melanson
Topic: 443 Message: 448

Congatulations Montana Group! Those are great pictures!

KD7INN
Jeff Melanson

Mike Murray wrote:
>
> Greetings Paul and everyone in the TVNSP group,
>
> I just wanted to let you know that the new Balloon group at MSU-Bozeman had
> its first successful balloon flight yesterday! As some of you know, this
> is the new program started by the Montana Space Grant Consortium, now
> called BOREALIS ("Balloon Outreach, Research, Exploration And Land Imaging
> System").
>

449. Video from NSTAR 01B

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-06-09 23:19:14 UTC
From: Mark Conner
Topic: 449 Message: 449

I have uploaded some video clips from NSTAR Flight 01B to my web page at http://members.home.net/mconner1/nstar.html . They are about 350 kbytes each and are therefore not the best video quality. I'm working on some alternate storage for higher-quality clips.

If someone has Netscape 6, let me know how the page formatting is rendered. I know some of the formatting FrontPage 2000 does can really trash the display in Netscape 4.x or earlier.

73 de Mark N9XTN

Mark D. Conner
E-mail: mconner@... n9xtn@...
Homepage: http://members.home.net/mconner1
"Arrogance and stupidity, all in the same package.....how efficient of you!" - Ambassador Londo Mollari, Babylon 5

450. RE: [tvnsp] Chase Song

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-06-12 03:38:49 UTC
From: John Knapp
Topic: 437 Message: 450

okay. Thanks.

JohnK

> -----Original Message-----
> From: Paul Verhage [mailto:pverhage@...]
> Sent: Monday, June 11, 2001 6:40 PM
> To: 'John Knapp '
> Subject: RE: [tvnsp] Chase Song
>
>
> I have them at home. I can return them when I get back fron vacation.
>
> Paul
>
> -----Original Message-----
> From: John Knapp
> To: tvnsp@yahoogroups.com
> Sent: 6/8/01 9:11 PM
> Subject: RE: [tvnsp] Chase Song
>
> I gave them to John Stone for use at DCI. I believe they are RG-(5?)8U
> (thin
> cable). There were three rolls, either 50 ft or 100ft per roll. They
> were
> terminated with right angle connectors. (They were previously used in a
> lan
> at work - I salvaged them for possible use at home.)
>
> John Knapp
> KD7HGS
>
> > -----Original Message-----
> > From: Randy Farley [mailto:rdfarley@...]
> > Sent: Friday, June 08, 2001 7:16 PM
> > To: tvnsp@yahoogroups.com
> > Subject: Re: [tvnsp] Chase Song
> >
> >
> > John
> >
> > What type of cables did you loan out? I do not show any growth in
> > my inventory
> > of
> > cableing. Was it for the SSTV setup maybe?

> >
> > John Knapp wrote:
> >
> > > Does anyone know where the cables that where loaned for the DCI
> control
> > > station are? I am in the need of them and would like them back.
> > >
> >
> >
> > To unsubscribe from this group, send an email to:
> > tvnsp-unsubscribe@egroups.com
> >
> >
> >
> > Your use of Yahoo! Groups is subject to
> http://docs.yahoo.com/info/terms/
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>
>
>
> Your use of Yahoo! Groups is subject to
> http://docs.yahoo.com/info/terms/
>
>

451. Re: [tvnsp] Summer Launches

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-06-14 02:32:13 UTC
From: Jeff Melanson
Topic: 431 Message: 451

Paul,

How about some details on the July 28th launch. Are we planning to launch early Saturday morning as usual? Is anyone going over the night before or very early the same morning? How and where do we meet up with each other? I tentatively plan to go on this launch and Ray "Don't burn my hands again" Silvia is coming with me. We are also looking forward to the night launch.

KD7INN
Jeff Melanson

452. RE: [tvnsp] Summer Launches

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-06-14 03:03:31 UTC
From: John Knapp
Topic: 431 Message: 452

Since my inlaws live in Buhl, I plan on going down Friday. But it would be nice to know the time, frequency, etc so I can connect with someone Saturday morning, whatever time it is.

JohnK
KD7HGS

> -----Original Message-----
> From: Jeff Melanson [mailto:kd7inn@...]
> Sent: Wednesday, June 13, 2001 8:32 PM
> To: tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] Summer Launches
>
>
> Paul,
>
> How about some details on the July 28th launch. Are we planning to
> launch early Saturday morning as usual? Is anyone going over the night
> before or very early the same morning? How and where do we meet up with
> each other? I tentatively plan to go on this launch and Ray "Don't burn
> my hands again" Silvia is coming with me. We are also looking forward to
> the night launch.
>
> KD7INN
> Jeff Melanson
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
>

453. RE: [tvnsp] Summer Launches

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-06-18 16:11:58 UTC
From: Paul Verhage
Topic: 431 Message: 453

My plans are to go over the night before. I'll have to work out the details when I get back (I'm here for only 4 days). We'll have leather gloves for Ray this time. Glad he's getting better.

Paul

> Paul,
>
> How about some details on the July 28th launch. Are we
> planning to
> launch early Saturday morning as usual? Is anyone going over the night
> before or very early the same morning? How and where do we
> meet up with
> each other? I tentatively plan to go on this launch and Ray
> "Don't burn
> my hands again" Silvia is coming with me. We are also looking
> forward to
> the night launch.
>
> KD7INN
> Jeff Melanson
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to
http://docs.yahoo.com/info/terms/

454. FW: [KNSP] Reminder - Great Plains Super Launch 2001

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-06-18 16:18:01 UTC
From: Paul Verhage
Topic: 454 Message: 454

> -----Original Message-----
> From: KNSP@yahoogroups.com [mailto:KNSP@yahoogroups.com]
> Sent: Saturday, June 16, 2001 6:02 AM
> To: KNSP@yahoogroups.com
> Subject: [KNSP] Reminder - Great Plains Super Launch 2001
>
>
>
> We would like to remind you of this upcoming event.
>
> Great Plains Super Launch 2001
>
> Date: Saturday, June 30, 2001
> Time: 7:00AM - 11:00AM CDT (GMT-05:00)
>
> TVNSP, NSTAR, HABITAT/Syklab, and NSBG balloon groups plan a
> multi-balloon launch from Manhattan KS. Details at
> http://users.crosspaths.net/~wallio/gpsl2001.html
>
>
>
>
>
>
>
> To unsubscribe from this group, send an email to:
> KNSP-unsubscribe@yahoogroups.com
>
> List owner: KNSP-owner@yahoogroups.com
> Group URL: http://groups.yahoo.com/group/KNSP
>
>
> Your use of Yahoo! Groups is subject to
> http://docs.yahoo.com/info/terms/
>
>

455. June and July

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-06-20 17:12:14 UTC
From: Paul Verhage
Topic: 455 Message: 455

I'll be at the club meeting tonight (Snake River, at Idaho Pizza in Caldwell). I will bring a video tape of Mark's last flight. It's a good video with an interesting end.

I'll be back on July 11. The weekend after we'll have a meeting at Idaho Pizza to discuss upcoming flioghts and a plan for this winter, during the off-season. The plan is to launch a test flight from Twin on the last weekend of July to get them some practice. Lee was able to track the flight using APRS from the Twin Club's radio van. August 11 is still the planned date for the big launch. Both Twin flights will be from the Expo Center at CSI.

There will still be a flight in autumn that will be a pleaser for fox hunters.

Paul

456. RE: [tvnsp] June and July, pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-06-20 17:13:55 UTC
From: Paul Verhage
Topic: 456 Message: 456

The Great Plains launch is scheduled for 30 June. You can see us on www.findu.com. the TVNSP capsule will fly under the callsign KD4STH-11.

Paul

457. Super Launch Website

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-06-20 17:27:31 UTC
From: Paul Verhage
Topic: 457 Message: 457

Here's the website for the Kansas launch

http://users.crosspaths.net/~wallio/gpsl2001.html

Paul

458. Select photos from Bozeman's second flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-03 18:27:37 UTC
From: Mike Murray
Topic: 458 Message: 458
Attachments: 2 described; binary payloads are missing from this source WARC

Greetings from Bozeman!

Our second flight for the Montana Space Grant Consortium's BOREALIS project went off on June 30 from the Big Timber airport. We flew a 1200gm balloon with a prototype of the MEROPE satellite (geiger tube system), temperature sensors, and a digital camera. Our highest APRS packet registered 86,233 feet. Data and photos are still in the process of being posted to our website:

http://www.physics.montana.edu/borealis/bor0106B.html

Attached are a couple photos from the flight that I thought you'd like to see (low-res):

75.2k.Yellake = A view looking SW from 75,200 feet over Laurel, MT (near Billings) clearly shows the black sky above, the blue layers of the atmosphere, and the curvature of the earth. The Beartooth Mountains are in the foreground, with Yellowstone Lake (including West Thumb) in the background. The Tetons are behind and left of the lake.

Max.Alt = At around 86,100 feet, this is the last shot before burst. There are clouds on the horizon, but you can still see some evidence of curvature.

What a blast!!

Mike.

459. Re: [tvnsp] Select photos from Bozeman's second flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-03 18:43:58 UTC
From: Conner, Mark
Topic: 458 Message: 459

From the Borealis web site:
<start>
Near the final BOREALIS landing site, we recovered a fragment of the burst latex weather balloon. As far as we know at this time, this is the first time such a piece has been recovered -- the standard folklore which we had believed was that the latex becomes very cold at altitude, and when it in fact finally bursts, breaks into tiny fragments.
The piece we recovered is quite massive (*** g), knotted quite tightly (we don't understand this yet) on one end with the other end flapping free so the whole piece looks like a Halloween ghost, and roughly a meter long in the "knotted configuration" it was found in. Many thanks to Ms. Kathie Martin of Billings, who saw the fragment fall on her property and told us about it. What time the fragment landed is unknown.
<end>

I have two of these from NSTAR 01-B and 01-D that came back like this, but still attached to the balloon neck. Paul has one also from the past weekend's GPSL flight - all were 1200g Kaymont balloons. The two 600g envelopes I've flown did not do this. So the phenomenon is not unknown, but it's unusual to retrieve one and not have it be attached to the payload in some fashion.

I think what happens is that the shards tangle before they contract, but I don't have any direct evidence of this. Maybe I'll fly a video camera pointed vertically to see this phenomenon.

You can see some of what happens with balloon bursts by viewing these two movies:

http://www.ksu.edu/humec/knsp/98bvid.htm
http://members.home.net/mconner1/movies/NSTAR01B-burst.rm

73 de Mark N9XTN

460. Knotted balloon remnants

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-03 22:59:34 UTC
From: Mark Conner
Topic: 460 Message: 460

I have uploaded a couple of pictures showing the knotted remains of a 1200g balloon from the NSTAR 01-B flight earlier this year. Are these similar to what BOREALIS got back over the weekend?

http://groups.yahoo.com/group/tvnsp/files/Balloon%20remnants.jpg
http://groups.yahoo.com/group/tvnsp/files/Balloon%20remnants%20closeup.jpg

The remnants weigh about 900g, or about 75% of the original.

73 de Mark N9XTN

Mark D. Conner
E-mail: mconner@... n9xtn@...
Homepage: http://members.home.net/mconner1
"Arrogance and stupidity, all in the same package.....how efficient of you!" - Ambassador Londo Mollari, Babylon 5

461. Movie from GPSL 2001

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-06 00:38:18 UTC
From: Mark Conner
Topic: 461 Message: 461

I have uploaded a movie to my web page showing the launch of the three balloons at the Great Plains Super Launch 2001.

http://members.home.net/mconner1/movies/GPSL2001launch.rm

73 de Mark N9XTN

Mark D. Conner
E-mail: n9xtn@...
Homepage: http://members.home.net/mconner1
"Arrogance and stupidity, all in the same package.....how efficient of you!" - Ambassador Londo Mollari, Babylon 5

462. Launch and recovery photos

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-10 03:09:08 UTC
From: Mark Conner
Topic: 462 Message: 462

I have uploaded some photos from the GPSL 2001 to the KNSP files area
(should be open to all):

http://groups.yahoo.com/group/KNSP/files/GPSL2001/KC0KZK%20photos/

73 de Mark N9XTN

Mark D. Conner
E-mail: n9xtn@...
Homepage: http://members.home.net/mconner1
"Arrogance and stupidity, all in the same package.....how efficient
of you!" - Ambassador Londo Mollari, Babylon 5

463. Meeting?

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-11 19:11:29 UTC
From: Paul Verhage
Topic: 2 Message: 463

Would TVNSP like to have a meeting this Saturday? I have some stories and a video (from the National Scientific Balloon Facility) to share. We should also talk about the upcoming launches. The meeting would be the same place and time.

sorry you couldn't make it out to Kansas for the GPSL 2001. GPSL 2002 promises to be even larger, so I encourage everyone to make it out.

What a vacation!
Paul

464. Re: [tvnsp] Meeting?

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-11 19:14:06 UTC
From: Mike Garske
Topic: 2 Message: 464

I can be there Paul, I am off this Saturday....count me in! I need to get up to speed for the August night flight....

Mike KC7DPD
----- Original Message -----
From: "Paul Verhage" <pverhage@...>
To: "'tvnsp@egroups.com'" <tvnsp@yahoogroups.com>
Sent: Wednesday, July 11, 2001 1:11 PM
Subject: [tvnsp] Meeting?

> Would TVNSP like to have a meeting this Saturday? I have some stories and a
> video (from the National Scientific Balloon Facility) to share. We should
> also talk about the upcoming launches. The meeting would be the same place
> and time.
>
> sorry you couldn't make it out to Kansas for the GPSL 2001. GPSL 2002
> promises to be even larger, so I encourage everyone to make it out.
>
> What a vacation!
> Paul
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
>

465. Re: [tvnsp] Meeting?

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-12 03:59:03 UTC
From: Jeff Melanson
Topic: 2 Message: 465

O.K. Paul, count me in!

Jeff Melanson
KD7INN

Paul Verhage wrote:
>
> Would TVNSP like to have a meeting this Saturday? I have some stories and a
> video (from the National Scientific Balloon Facility) to share. We should
> also talk about the upcoming launches. The meeting would be the same place
> and time.
>
> sorry you couldn't make it out to Kansas for the GPSL 2001. GPSL 2002
> promises to be even larger, so I encourage everyone to make it out.
>
> What a vacation!
> Paul
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

466. Re: [tvnsp] Meeting?

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-12 17:22:37 UTC
From: Mike Garske
Topic: 2 Message: 466

Paul,

Since I have never been to a meeting before, can you tell me where and when it is again? Thanks!

Mike KC7DPD

----- Original Message -----
From: "Jeff Melanson" <kd7inn@...>
To: <tvnsp@yahoogroups.com>
Sent: Wednesday, July 11, 2001 9:59 PM
Subject: Re: [tvnsp] Meeting?

> O.K. Paul, count me in!
>
> Jeff Melanson
> KD7INN
>
>
> Paul Verhage wrote:
> >
> > Would TVNSP like to have a meeting this Saturday? I have some stories and a
> > video (from the National Scientific Balloon Facility) to share. We should
> > also talk about the upcoming launches. The meeting would be the same place
> > and time.
> >
> > sorry you couldn't make it out to Kansas for the GPSL 2001. GPSL 2002
> > promises to be even larger, so I encourage everyone to make it out.
> >
> > What a vacation!
> > Paul
> >
> > To unsubscribe from this group, send an email to:
> > tvnsp-unsubscribe@egroups.com
> >
> >
> >
> > Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>

>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
>

467. Next TVNSP Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-12 20:59:55 UTC
From: Paul Verhage
Topic: 467 Message: 467

We'll hold a TVNSP meeting this Saturday, at Idaho Pizza Co. in Caldwell.
I'll reserve a space for 6:30 to 8:30.

Items to discuss...
My vacation (the balloon related parts, that is)
The next three launches
A few plans for next year

Hope to see you there.

Paul

468. Re: [tvnsp] Meeting?

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-12 23:04:30 UTC
From: Randy Farley
Topic: 2 Message: 468

I should be able to make it Paul. Hate to miss out on good videos.

Paul Verhage wrote:

> Would TVNSP like to have a meeting this Saturday? I have some stories and a
> video (from the National Scientific Balloon Facility) to share. We should
> also talk about the upcoming launches. The meeting would be the same place
> and time.
>
> sorry you couldn't make it out to Kansas for the GPSL 2001. GPSL 2002
> promises to be even larger, so I encourage everyone to make it out.
>
> What a vacation!
> Paul
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

--
Regards,
Randy Farley
N7GPS -Ham Call-
My Home at: http://map.findu.com/n7gps
Find my pickup at: http://map.findu.com/n7gps-9
or Find my ATV at: http://map.findu.com/n7gps-7

469. Re: [tvnsp] Meeting?

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-13 02:09:06 UTC
From: Jeff Melanson
Topic: 2 Message: 469

Paul, I am passing along the following message for John Knapp...

Jeff, I cannot get to the group server nor can I change my email address
to
send this reply. Let Paul know we will not be able to make the July and
August launches but will try to be at the meeting Saturday.

I would appreciate the help - this change of email address has be going
around in circles.

Thanks
John Knapp
KD7HGS

Paul Verhage wrote:
>
> Would TVNSP like to have a meeting this Saturday? I have some stories and a
> video (from the National Scientific Balloon Facility) to share. We should
> also talk about the upcoming launches. The meeting would be the same place
> and time.
>
> sorry you couldn't make it out to Kansas for the GPSL 2001. GPSL 2002
> promises to be even larger, so I encourage everyone to make it out.
>
> What a vacation!
> Paul
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

470. RE: [tvnsp] Meeting?

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-13 05:15:20 UTC
From: k7jps@arrl.net
Topic: 2 Message: 470

Sounds like this will be a good meeting with all of the responses coming in, and the videos you plan to show. Sorry I'll be missing this one, but it shoul be much cooler in the mountains this weekend.

Will we be having another meeting before the July 28th launch? I am planing on making both of the Twin Falls launches.

John Stone
K7JPS

-----Original Message-----
FROM: Paul Verhage
TO: 'tvnsp@egroups.com'
DATE: Wed 7/11/01 13:13
SUBJECT: [tvnsp] Meeting?

Would TVNSP like to have a meeting this Saturday? I have some stories and a video (from the National Scientific Balloon Facility) to share. We should also talk about the upcoming launches. The meeting would be the same place and time. sorry you couldn't make it out to Kansas for the GPSL 2001. GPSL 2002 promises to be even larger, so I encourage everyone to make it out.

What a vacation!
Paul

471. RE: [tvnsp] Meeting?

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-13 19:58:29 UTC
From: Paul Verhage
Topic: 2 Message: 471

I got Jeff's message from John Knapp. I can't get to egroups at the campus, I may have to borrow someone's PC at home. we may be able to work out something on egroups for John.

I picked up two strobes that U of Wyo uses for their flights and will bring them to the meeting. Jeff, I'd like to compare these strobes to those used on aircraft. I'd like to compare their brightnesses.

Sorry that John Stone can't make it to the meeting. We'll catch you next time.

I'm off to a class on Monday and will be back on the following Monday. At the meeting we'll schedule the next couple of meetings. Please bring a calendar.

472. July 28th Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-15 04:01:24 UTC
From: Mike Garske
Topic: 472 Message: 472

Everyone,

I am sending this as a reminder to everyone on behalf of Paul, he is out and about criss-crossing the U.S. for the next couple of weeks. There is going to be a launch in Twin Falls on Saturday, July 28th at 0600hrs. It will be held at the College of Southern Idaho (CSI) at the Herrett Center. This launch is to serve as training for the Twin Falls area hams for the next launch on August 11th. The main concern for the July launch is finding suitable accommodations, like nearby hotels and such. If anyone has any info on the logistics, or any questions on how to get there, post it to this group.

Thanks,

Mike KC7DPD

473. Re: [tvnsp] July 28th Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-17 05:34:35 UTC
From: Jeff Melanson
Topic: 472 Message: 473

Hi Everyone,

For those of you who are planning to arrive in Twin Falls on Friday night (the 27th) here are some hotel options.
Motel 6 is 1/2 mile from the college. It is on the corner of Falls Ave and Hwy 93. Exit 173 and drive south about 3 miles and you're there. The college is West on Falls Ave. The price is $46.00 for a room for 1 adult. I plan on making reservations here. Go to http://motel6.com/ and find Twin Falls, Idaho.
Super 8 Motel is about one block north of Motel 6 on the corner of College Ave and Hwy 93. From there the college is about 1/2 mile West on College Ave. The price is $56.00 for a room for 1 adult. Go to http://super8.com/ for reservations.
If you have a VIP card the price is cheaper. Best Western is $60.00 and farther away from the college.
The Falls Ave road will put you on the south side of the college. College Ave will put you on the north side of the college. Which side did Paul say the launch would be on?
The Twin Falls repeater is 146.760- (minus offset) and is an open repeater. This repeater belongs to the Magic Valley Amateur Radio Club. Perhaps someone should contact them and let them know about the planned event.
For those of us that will be running Balloon Track the launch point Lat and Lon are from Street Atlas in Decimal format: Lat 42.58333 Lon -114.47417 (Don't forget the minus sign) Altitude ~2100 ft.

KD7INN
Jeff Melanson

> Mike Garske wrote:
>
> Everyone,
>
> I am sending this as a reminder to everyone on behalf of Paul, he
> is out and about criss-crossing the U.S. for the next couple of weeks.
> There is going to be a launch in Twin Falls on Saturday, July 28th at
> 0600hrs. It will be held at the College of Southern Idaho (CSI) at the
> Herrett Center. This launch is to serve as training for the Twin Falls
> area hams for the next launch on August 11th. The main concern for the
> July launch is finding suitable accommodations, like nearby hotels and
> such. If anyone has any info on the logistics, or any questions on how
> to get there, post it to this group.
>
> Thanks,
>
> Mike KC7DPD

474. address for balloon flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-17 17:53:01 UTC
From: juliepaynter@hotmail.com
Topic: 474 Message: 474

Hi,

This is Julie Callahan. I met Dave last week at the University of Utah, and we talked about putting some seeds on the next balloon flight. I need to get an address for where I can send these things, and find out if it is still possible to send them up on the next flight.

Thanks tons :)

Julie Callahan

475. RE: [tvnsp] July 28th Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-17 19:25:11 UTC
From: Paul Verhage
Topic: 472 Message: 475

I'll share a room with you Jeff.

The Expo Center is on the north side of the campus

Paul

-----Original Message-----
From: Jeff Melanson
To: tvnsp@yahoogroups.com
Sent: 7/16/01 11:34 PM
Subject: Re: [tvnsp] July 28th Launch

Hi Everyone,

For those of you who are planning to arrive in Twin Falls on
Friday
night (the 27th) here are some hotel options.
Motel 6 is 1/2 mile from the college. It is on the corner of
Falls Ave
and Hwy 93. Exit 173 and drive south about 3 miles and you're there. The
college is West on Falls Ave. The price is $46.00 for a room for 1
adult. I plan on making reservations here. Go to http://motel6.com/ and
find Twin Falls, Idaho.
Super 8 Motel is about one block north of Motel 6 on the corner
of
College Ave and Hwy 93. From there the college is about 1/2 mile West on
College Ave. The price is $56.00 for a room for 1 adult. Go to
http://super8.com/ for reservations.
If you have a VIP card the price is cheaper. Best Western is
$60.00 and
farther away from the college.
The Falls Ave road will put you on the south side of the
college.
College Ave will put you on the north side of the college. Which side
did Paul say the launch would be on?
The Twin Falls repeater is 146.760- (minus offset) and is an
open
repeater. This repeater belongs to the Magic Valley Amateur Radio Club.
Perhaps someone should contact them and let them know about the planned
event.
For those of us that will be running Balloon Track the launch
point Lat
and Lon are from Street Atlas in Decimal format: Lat 42.58333 Lon
-114.47417 (Don't forget the minus sign) Altitude ~2100 ft.

KD7INN
Jeff Melanson

> Mike Garske wrote:
>
> Everyone,
>
> I am sending this as a reminder to everyone on behalf of Paul, he
> is out and about criss-crossing the U.S. for the next couple of weeks.
> There is going to be a launch in Twin Falls on Saturday, July 28th at
> 0600hrs. It will be held at the College of Southern Idaho (CSI) at the
> Herrett Center. This launch is to serve as training for the Twin Falls
> area hams for the next launch on August 11th. The main concern for the
> July launch is finding suitable accommodations, like nearby hotels and
> such. If anyone has any info on the logistics, or any questions on how
> to get there, post it to this group.
>
> Thanks,
>
> Mike KC7DPD

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476. Re: [tvnsp] July 28th Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-17 17:20:40 UTC
From: Rick Widmer
Topic: 472 Message: 476

Hi, I am Rick Widmer, a member of the Magic Valley Astronomical Society, and a resident of Kimberly. (5 miles from Twin Falls) I am watching this list, and will answer any questions about the area posted here.

As to lodging the following are within a mile of the launch site. (unless noted.) Listed in no particular order.

AmeriTel Inns 736-8000
Weston Plaza 733-0650
Days Inn 324-6400 (At the freeway exit)
Super 8 734-5801
Shilo Inn 800 222-2244
Motel 6 734-3993
Cavanaughs 734-5000

If you are looking for food, just cruse Blue Lakes Blvd for a wide assortment of resturants and fast food.

Rick

> Mike Garske wrote:
>
> Everyone,
>
> I am sending this as a reminder to everyone on behalf of Paul, he
> is out and about criss-crossing the U.S. for the next couple of weeks.
> There is going to be a launch in Twin Falls on Saturday, July 28th at
> 0600hrs. It will be held at the College of Southern Idaho (CSI) at the
> Herrett Center. This launch is to serve as training for the Twin Falls
> area hams for the next launch on August 11th. The main concern for the
> July launch is finding suitable accommodations, like nearby hotels and
> such. If anyone has any info on the logistics, or any questions on how
> to get there, post it to this group.
>
> Thanks,
>
> Mike KC7DPD
>
> Yahoo! Groups Sponsor
> ADVERTISEMENT
> [Lose 20 lbs by September 17th!]
>
>
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477. Re: [tvnsp] July 28th Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-17 17:30:21 UTC
From: Rick Widmer
Topic: 472 Message: 477

> The Falls Ave road will put you on the south side of the college.
> College Ave will put you on the north side of the college. Which side
> did Paul say the launch would be on?

The North College Drive entrance will be a better choice. The launch is at the Expo Center, the first college building you will see as you approach from Blue Lakes Blvd. As you drive South on Blue Lakes Blvd look for a resturant called Tomatoes on the right side of the road. North College Drive is the road right after it. There is no stoplight.

If you go too far, the next stoplight is Falls Avenue. To get to the Expo Center from Falls Avenue turn Right after the Fire Department. Look for the National Gaurd Armory sign. Go past the armory to the expo center. There is plenty of parking at the Expo.

478. Re: [tvnsp] July 28th Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-19 22:59:09 UTC
From: Jeff Melanson
Topic: 472 Message: 478

Paul,

I'll share a room with you if you like but I must warn you that I
snore. If your'e a light sleeper you might not get any sleep! Let me
know what you want to do.

Jeff
KD7INN

Paul Verhage wrote:
>
> I'll share a room with you Jeff.
>
> The Expo Center is on the north side of the campus
>
> Paul
>
> -----Original Message-----
> From: Jeff Melanson
> To: tvnsp@yahoogroups.com
> Sent: 7/16/01 11:34 PM
> Subject: Re: [tvnsp] July 28th Launch
>
> Hi Everyone,
>
> For those of you who are planning to arrive in Twin Falls on
> Friday
> night (the 27th) here are some hotel options.
> Motel 6 is 1/2 mile from the college. It is on the corner of
> Falls Ave
> and Hwy 93. Exit 173 and drive south about 3 miles and you're there. The
> college is West on Falls Ave. The price is $46.00 for a room for 1
> adult. I plan on making reservations here. Go to http://motel6.com/ and
> find Twin Falls, Idaho.
> Super 8 Motel is about one block north of Motel 6 on the corner
> of
> College Ave and Hwy 93. From there the college is about 1/2 mile West on
> College Ave. The price is $56.00 for a room for 1 adult. Go to
> http://super8.com/ for reservations.
> If you have a VIP card the price is cheaper. Best Western is
> $60.00 and
> farther away from the college.
> The Falls Ave road will put you on the south side of the
> college.
> College Ave will put you on the north side of the college. Which side
> did Paul say the launch would be on?

> The Twin Falls repeater is 146.760- (minus offset) and is an
> open
> repeater. This repeater belongs to the Magic Valley Amateur Radio Club.
> Perhaps someone should contact them and let them know about the planned
> event.
> For those of us that will be running Balloon Track the launch
> point Lat
> and Lon are from Street Atlas in Decimal format: Lat 42.58333 Lon
> -114.47417 (Don't forget the minus sign) Altitude ~2100 ft.
>
> KD7INN
> Jeff Melanson
>
> > Mike Garske wrote:
> > >
> > > Everyone,
> > >
> > > I am sending this as a reminder to everyone on behalf of Paul, he
> > > is out and about criss-crossing the U.S. for the next couple of weeks.
> > > There is going to be a launch in Twin Falls on Saturday, July 28th at
> > > 0600hrs. It will be held at the College of Southern Idaho (CSI) at the
> > > Herrett Center. This launch is to serve as training for the Twin Falls
> > > area hams for the next launch on August 11th. The main concern for the
> > > July launch is finding suitable accommodations, like nearby hotels and
> > > such. If anyone has any info on the logistics, or any questions on how
> > > to get there, post it to this group.
> > >
> > > Thanks,
> > >
> > > Mike KC7DPD
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to
> http://docs.yahoo.com/info/terms/
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

479. T-Shirts

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-23 18:16:44 UTC
From: Paul Verhage
Topic: 479 Message: 479

I have a design and cost for t-shirts. For sizes up to XL, they'll cost $10.25 a piece, if we order 24 of them. I'll order several to make up the the balance of the order, but will need at least 12 ordered. The TVNSP logo will be on the left chest and the text, "Let's Do Launch" will be on the back. I'll send everyone's t-shirt up on a flight.

The extras I'd like to use as trade items. Mark, Biil, and Don, if your groups will create a logo and t-shirt, I'll trade you one of ours for one of yours.

If you'd like to order a t-shirt, please email me with quantity and size.

Paul

480. EOSS Visit

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-23 18:33:42 UTC
From: Paul Verhage
Topic: 480 Message: 480

Here's a link to my July visit to EOSS.

http://www.eoss.org/verhage/paul_verhage.htm

Paul

481. GPSL 2002

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-23 18:39:12 UTC
From: Paul Verhage
Topic: 481 Message: 481

I'd like to begin planning for the Great Plains super launch in July 2002. We'll launch around the 4th of July weekend in Manhattan, Kansas. We have a huge indoor launch site to fill balloons inside. The plan is also to hold a mini-sympoisum for this launch. I need to find out how many groups we can get involved and how many balloons will be launched.

The symposium side of it will probably be held at K-State. I'll contact the Physics Department about reserving a location.

Please contact the KNSP listserv with comments or questions.

Hope to see you in 2002.

Paul

482. Updates

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-23 18:55:19 UTC
From: Paul Verhage
Topic: 482 Message: 482

I've updated the TVNSP webpage for the GPSL 2001 launch.

Paul

483. Re: [tvnsp] T-Shirts

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-23 22:05:14 UTC
From: Randy Farley
Topic: 479 Message: 483

I'll take one XL Paul.

Paul Verhage wrote:
>
> I have a design and cost for t-shirts. For sizes up to XL, they'll cost
> $10.25 a piece, if we order 24 of them. I'll order several to make up the
> the balance of the order, but will need at least 12 ordered. The TVNSP logo
> will be on the left chest and the text, "Let's Do Launch" will be on the
> back. I'll send everyone's t-shirt up on a flight.
>
> The extras I'd like to use as trade items. Mark, Biil, and Don, if your
> groups will create a logo and t-shirt, I'll trade you one of ours for one of
> yours.
>
> If you'd like to order a t-shirt, please email me with quantity and size.
>
> Paul
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

--
Regards,
Randy Farley
N7GPS -Ham Call-
My Home at: http://map.findu.com/n7gps
Find my pickup at: http://map.findu.com/n7gps-9
Also see daily weather radar reports for my positions at:
(scroll to bottom of page)
http://www.findu.com/cgi-bin/find.cgi?call=n7gps&radar=CBX

484. Re: [tvnsp] T-Shirts

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-23 22:16:16 UTC
From: Mike Garske
Topic: 479 Message: 484

Paul,

I will take 2 T-shirts, both XL. Thanks!

Mike KC7DPD

----- Original Message -----
From: "Randy Farley" <rdfarley@...>
To: <tvnsp@yahoogroups.com>
Sent: Monday, July 23, 2001 4:05 PM
Subject: Re: [tvnsp] T-Shirts

> I'll take one XL Paul.
>
>
> Paul Verhage wrote:
> >
> > I have a design and cost for t-shirts. For sizes up to XL, they'll cost
> > $10.25 a piece, if we order 24 of them. I'll order several to make up
the
> > the balance of the order, but will need at least 12 ordered. The TVNSP
logo
> > will be on the left chest and the text, "Let's Do Launch" will be on the
> > back. I'll send everyone's t-shirt up on a flight.
> >
> > The extras I'd like to use as trade items. Mark, Biil, and Don, if your
> > groups will create a logo and t-shirt, I'll trade you one of ours for
one of
> > yours.
> >
> > If you'd like to order a t-shirt, please email me with quantity and
size.
> >
> > Paul
> >
> > To unsubscribe from this group, send an email to:
> > tvnsp-unsubscribe@egroups.com
> >
> >
> >
> > Your use of Yahoo! Groups is subject to
http://docs.yahoo.com/info/terms/
>
> --
> Regards,
> Randy Farley

> N7GPS -Ham Call-
> My Home at: http://map.findu.com/n7gps
> Find my pickup at: http://map.findu.com/n7gps-9
> Also see daily weather radar reports for my positions at:
> (scroll to bottom of page)
> http://www.findu.com/cgi-bin/find.cgi?call=n7gps&radar=CBX
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
>

485. Re: [tvnsp] T-Shirts

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-23 23:04:27 UTC
From: Stephanie Steele
Topic: 479 Message: 485

Hi Paul,

Put me down for two XXL.

--
Stephanie

****

Send and receive money safely over the Internet by using PayPal. I use it and highly recommend it as a safe and reliable means to conduct business. By using the link below we both will receive a $5 sign up bonus.

https://www.paypal.com/refer/pal=kc7dba%40arrl.net

486. Atmospheric Soundings

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-24 05:29:09 UTC
From: Jeff Melanson
Topic: 486 Message: 486

Hi All,

I went to the atmospheric soundings page http://www-das.uwyo.edu/upperair/sounding.html to get data for balloon track but the data is 6 days old! There is a note that says there will be a new interface starting September 1st. Anybody know what's going on here?

Paul, have you looked at the Medium Range Forecast yet? What is your prediction?

For those of you spending the night in Twin Falls don't forget to make your reservations.

Any thoughts on a pre-launch dinner on Friday night? Maybe we can meet Rick Widmer and other Astronomical Society members the night before the launch.

Jeff Melanson
KD7INN

487. Re: [tvnsp] Atmospheric Soundings

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-24 10:58:29 UTC
From: Bill All, N3KKM
Topic: 486 Message: 487

They are changing their page format. There is a link at the top to the new page but it did not come up this morning.
You can get the same data at
http://www.stormchaser.niu.edu/machine/textsound.html

Bill All N3KKM
Near Space Balloon Group
http://www.kcnet.com/~n3kkm/nearspace.html

At 12:29 AM 7/24/2001, you wrote:
>Hi All,
>
> I went to the atmospheric soundings page
>http://www-das.uwyo.edu/upperair/sounding.html to get data for balloon
>track but the data is 6 days old! There is a note that says there will
>be a new interface starting September 1st. Anybody know what's going on
>here?
>
> Paul, have you looked at the Medium Range Forecast yet? What is your
>prediction?
>
> For those of you spending the night in Twin Falls don't forget to
> make
>your reservations.
>
> Any thoughts on a pre-launch dinner on Friday night? Maybe we can
> meet
>Rick Widmer and other Astronomical Society members the night before the
>launch.
>
>Jeff Melanson
>KD7INN
>
>To unsubscribe from this group, send an email to:
>tvnsp-unsubscribe@egroups.com
>
>
>
>Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

488. RE: [tvnsp] T-Shirts

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-24 14:47:25 UTC
From: k7jps@arrl.net
Topic: 479 Message: 488

Paul, I'll take 1 large.

John Stone
K7JPS

-----Original Message-----
FROM: Paul Verhage
TO: 'tvnsp@egroups.com'
DATE: Mon 7/23/01 12:25
SUBJECT: [tvnsp] T-Shirts

I have a design and cost for t-shirts. For sizes up to XL, they'll cost $10.25 a piece, if we order 24 of them. I'll order several to make up the balance of the order, but will need at least 12 ordered. The TVNSP logo will be on the left chest and the text, "Let's Do Launch" will be on the back. I'll send everyone's t-shirt up on a flight.

The extras I'd like to use as trade items. Mark, Biil, and Don, if your groups will create a logo and t-shirt, I'll trade you one of ours for one of yours.

If you'd like to order a t-shirt, please email me with quantity and size.

Paul

489. RE: [tvnsp] Atmospheric Soundings

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-24 17:34:29 UTC
From: K7JPS - John
Topic: 486 Message: 489

The upper air station id to use on stormchaser's site for the Southern Idaho area is KBOI. I haven't run any predictions yet, but the MFR looks stable for the last half of the week.

If someone in the Twin Falls area can recommend a restaurant we can meet at for the Friday evening meeting, that would be good. I can be there at 5:00 pm, but some of the rest of you from the Boise area might not be able to make it as early.

Paul, if there is anything you need me to transport, I'll be taking my pickup, and would be happy to help.

John Stone
K7JPS
-----Original Message-----
From: Bill All, N3KKM [mailto:n3kkm@...]
Sent: Tuesday, July 24, 2001 04:58
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] Atmospheric Soundings

They are changing their page format. There is a link at the top to the new
page but it did not come up this morning.
You can get the same data at
http://www.stormchaser.niu.edu/machine/textsound.html

Bill All N3KKM
Near Space Balloon Group
http://www.kcnet.com/~n3kkm/nearspace.html

At 12:29 AM 7/24/2001, you wrote:
>Hi All,
>
> I went to the atmospheric soundings page
>http://www-das.uwyo.edu/upperair/sounding.html to get data for balloon
>track but the data is 6 days old! There is a note that says there will
>be a new interface starting September 1st. Anybody know what's going on
>here?
>
> Paul, have you looked at the Medium Range Forecast yet? What is your
>prediction?
>
> For those of you spending the night in Twin Falls don't forget to
> make

>your reservations.
>
> Any thoughts on a pre-launch dinner on Friday night? Maybe we
can
> meet
>Rick Widmer and other Astronomical Society members the night before the
>launch.
>
>Jeff Melanson
>KD7INN
>
>To unsubscribe from this group, send an email to:
>tvnsp-unsubscribe@egroups.com
>
>
>
>Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

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tvnsp-unsubscribe@egroups.com

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490. RE: [tvnsp] Atmospheric Soundings

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-24 20:11:52 UTC
From: Paul Verhage
Topic: 486 Message: 490

I talked to Dr Deshler at U of Wyo, who puts out the atmospheric soundings. I let him know the data is very popular with the ballooning community. I'll send email asking about the change. There's a hidden link that I was shown, that may be useful to us. I'll ask if we can use it also.

I was going to look at predictions today, but the new teacher erased all my URLs. I'll see what I can find. If nothing eles, we'll contact the Boise NWS.

I want to get a dinner together for Friday. We'll hold the first lesson there. I'll ask Rick for suggestions.

Paul

> Hi All,
>
> I went to the atmospheric soundings page
> http://www-das.uwyo.edu/upperair/sounding.html to get data for balloon
> track but the data is 6 days old! There is a note that says there will
> be a new interface starting September 1st. Anybody know
> what's going on
> here?
>
> Paul, have you looked at the Medium Range Forecast yet?
> What is your
> prediction?
>
> For those of you spending the night in Twin Falls don't
> forget to make
> your reservations.
>
> Any thoughts on a pre-launch dinner on Friday night?
> Maybe we can meet
> Rick Widmer and other Astronomical Society members the night
> before the
> launch.

491. RE: [tvnsp] Atmospheric Soundings

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-24 20:14:54 UTC
From: Paul Verhage
Topic: 486 Message: 491

The upper air station id to use on stormchaser's site for the Southern Idaho area is KBOI. I haven't run any predictions yet, but the MFR looks stable for the last half of the week.

If someone in the Twin Falls area can recommend a restaurant we can meet at for the Friday evening meeting, that would be good. I can be there at 5:00 pm, but some of the rest of you from the Boise area might not be able to make it as early.

Paul, if there is anything you need me to transport, I'll be taking my pickup, and would be happy to help.
++++++++++++++++++

i'll be bringing my Prizm, so I need help carrying the helium. I'd like to pick two tanks up on Thursday. I can load them into my Jeep, but I'd rather not drive the Jeep to Twin. can someone carry two helium bottles?

What time are other people leaving for Twin? I have the summer off, so I'm flexible. I'd like to caravan out with someone.

I'll carry the doppler with me.

Paul

492. RE: [tvnsp] Atmospheric Soundings

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-24 20:21:56 UTC
From: Paul Verhage
Topic: 486 Message: 492

Great, now my balloon tracking program is missing. Can someone run predictions for me? I'll see if I can dig up the MRF.

Paul

493. RE: [tvnsp] July 28th Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-24 20:25:34 UTC
From: Paul Verhage
Topic: 472 Message: 493

Rick, can you give me a call? I need to discuss where we can meet for
Friday's dinner.

631-7162
Paul

> -----Original Message-----
> From: Rick Widmer [mailto:rwidmer@...]
> Sent: Tuesday, July 17, 2001 11:30 AM
> To: tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] July 28th Launch
>
>
> > The Falls Ave road will put you on the south side
> of the college.
> > College Ave will put you on the north side of the college.
> Which side
> > did Paul say the launch would be on?
>
> The North College Drive entrance will be a better choice.
> The launch is
> at the Expo Center, the first college building you will see as you
> approach from Blue Lakes Blvd. As you drive South on Blue Lakes Blvd
> look for a resturant called Tomatoes on the right side of the road.
> North College Drive is the road right after it. There is no
> stoplight.
>
> If you go too far, the next stoplight is Falls Avenue. To get to the
> Expo Center from Falls Avenue turn Right after the Fire Department.
> Look for the National Gaurd Armory sign. Go past the armory
> to the expo
> center. There is plenty of parking at the Expo.
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
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>
>
> Your use of Yahoo! Groups is subject to
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494. RE: [tvnsp] address for balloon flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-24 20:28:24 UTC
From: Paul Verhage
Topic: 474 Message: 494

I got your seeds in the mail. We'll send them up on Saturday. If for some reason that flight should fail, then we'll send them up two weeks later.

Paul

> -----Original Message-----
> From: juliepaynter@... [mailto:juliepaynter@...]
> Sent: Tuesday, July 17, 2001 11:53 AM
> To: tvnsp@yahoogroups.com
> Subject: [tvnsp] address for balloon flight
>
>
> Hi,
>
> This is Julie Callahan. I met Dave last week at the University of
> Utah, and we talked about putting some seeds on the next balloon
> flight. I need to get an address for where I can send these things,
> and find out if it is still possible to send them up on the next
> flight.
>
> Thanks tons :)
>
> Julie Callahan
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to
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>
>

495. GPSL 2002

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-24 20:37:44 UTC
From: Paul Verhage
Topic: 481 Message: 495

We have the launch site for next year.

Paul

496. RE: [tvnsp] Atmospheric Soundings

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-24 23:52:02 UTC
From: K7JPS - John
Topic: 486 Message: 496

I ran the balloon track software using launch site of N 42.5836 W 114.4666 Alt 2100' Ascent rate 750 fpm, burst at 70,000', decent rate 1200 fpm. With the 7/24 12Z data it had a max wind of 33.4 mph bearing 10 deg at 35,433 ft. The landing site was W 42.3238 N 114.1777 flight time was 121 minutes bearing 140.5 deg range 23.2 miles.

Is there anything I need to adjust in the ascent/decent rate or the burst altitude?

This landing site was near Rams Horn Ridge in the Sawtooth National Forest. Looking at the MFR for Saturday the winds should be more from the west so I would not expect the balloon to go so far to the south. Thursday winds should give us a more accurate prediction.

John Stone
K7JPS
-----Original Message-----
From: Paul Verhage [mailto:pverhage@...]
Sent: Tuesday, July 24, 2001 14:22
To: 'tvnsp@yahoogroups.com'
Subject: RE: [tvnsp] Atmospheric Soundings

Great, now my balloon tracking program is missing. Can someone run predictions for me? I'll see if I can dig up the MRF.

Paul

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497. Twin Falls Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-25 00:31:10 UTC
From: Rick Widmer
Topic: 497 Message: 497

We will meet at The Mongolian House around 6:30-7:00 PM for dinner and to discuss the launch.

The Mongolian House is at 180 Blue Lakes Blvd North, almost 2 miles south of Falls Avenue. (The southern access to CSI.) Look for it on the left if you are southbound, just before the 5 points junction with Addison Avenue. Plan on spending about $10 for the dinner special. If you need to call them the number is 736-2882.

498. Re: [tvnsp] Atmospheric Soundings

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-25 03:56:38 UTC
From: Jeff Melanson
Topic: 486 Message: 498

Hi all,

I just ran the tracking software with 7/25 0Z data. My Lat and Lon are 42.58333 and -114.47417 Altitude 2100 ft. Ascent rate 1000 fpm, descent 1200 fpm, burst at 85,000 ft. Under these conditions the capsule would follow the freeway east. Just before reaching Hazelton Municipal Airport it would turn around and come back west until it burst over the freeway. The capsule would then proceed east again and pass directly over the airport. It would then cross over to the south side of the freeway and touch down would be 2 miles SE of the airport. We would be there to see it. The predicted landing site is 19 miles east bearing 094 degrees from the launch site. Of course things can change a lot by launch time. Paul (not enough helium) Verhage what will the planned ascent rate and burst altitude be?

Jeff Melanson
KD7INN

> K7JPS - John wrote:
>
> I ran the balloon track software using launch site of N 42.5836 W
> 114.4666 Alt 2100' Ascent rate 750 fpm, burst at 70,000', decent rate
> 1200 fpm. With the 7/24 12Z data it had a max wind of 33.4 mph
> bearing 10 deg at 35,433 ft. The landing site was W 42.3238 N
> 114.1777 flight time was 121 minutes bearing 140.5 deg range 23.2
> miles.
>
> Is there anything I need to adjust in the ascent/decent rate or the
> burst altitude?
>
> This landing site was near Rams Horn Ridge in the Sawtooth National
> Forest. Looking at the MFR for Saturday the winds should be more from
> the west so I would not expect the balloon to go so far to the south.
> Thursday winds should give us a more accurate prediction.
>
> John Stone
> K7JPS
>
> -----Original Message-----
> From: Paul Verhage [mailto:pverhage@...]
> Sent: Tuesday, July 24, 2001 14:22
> To: 'tvnsp@yahoogroups.com'
> Subject: RE: [tvnsp] Atmospheric Soundings
>
> Great, now my balloon tracking program is missing. Can
> someone run

> predictions for me? I'll see if I can dig up the MRF.
>
> Paul
>
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>
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>
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499. Travel Time

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-25 03:56:49 UTC
From: Jeff Melanson
Topic: 499 Message: 499

Paul, I think I'd like to be on the road by 3 pm. This gives enough
time to check in to the motel and proceed to the restaurant that Rick
has chosen. Does this sound okay?
John, what time are you leaving? Are you going transport the helium
tanks for Paul?
Who else is going?

Jeff Melanson
KD7INN

Paul Verhage wrote:
>
> i'll be bringing my Prizm, so I need help carrying the helium. I'd like to
> pick two tanks up on Thursday. I can load them into my Jeep, but I'd rather
> not drive the Jeep to Twin. can someone carry two helium bottles?
>
> What time are other people leaving for Twin? I have the summer off, so I'm
> flexible. I'd like to caravan out with someone.
>
> I'll carry the doppler with me.
>
> Paul
>

500. RE: [tvnsp] Travel Time

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-25 05:40:01 UTC
From: K7JPS - John
Topic: 499 Message: 500

3 pm sounds good to me. I don't work on Friday so I can pick the helium up from Paul sometime before we leave. I don't have a shell for the pickup so either I'll have to keep them in the motel room overnight, or find some place around there to keep them. FYI, My wife and I are staying at the Super 8.

John Stone
K7JPS
-----Original Message-----
From: Jeff Melanson [mailto:kd7inn@...]
Sent: Tuesday, July 24, 2001 21:57
To: tvnsp@yahoogroups.com
Subject: [tvnsp] Travel Time

Paul, I think I'd like to be on the road by 3 pm. This gives enough time to check in to the motel and proceed to the restaurant that Rick has chosen. Does this sound okay?
John, what time are you leaving? Are you going transport the helium tanks for Paul?
Who else is going?

Jeff Melanson
KD7INN

Paul Verhage wrote:
>
> i'll be bringing my Prizm, so I need help carrying the helium. I'd like to
> pick two tanks up on Thursday. I can load them into my Jeep, but I'd rather
> not drive the Jeep to Twin. can someone carry two helium bottles?
>
> What time are other people leaving for Twin? I have the summer off, so I'm
> flexible. I'd like to caravan out with someone.
>
> I'll carry the doppler with me.
>
> Paul
>

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501. Re: [tvnsp] Travel Time

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-25 17:53:12 UTC
From: Stephanie Steele
Topic: 499 Message: 501

Norma and I will be there. We plan on driving down on Friday and getting a room. Hope I don't jinx the launch ;-)

--
Stephanie

****

Send and receive money safely over the Internet by using PayPal. I use it and highly recommend it as a safe and reliable means to conduct business. By using the link below we both will receive a $5 sign up bonus.

https://www.paypal.com/refer/pal=kc7dba%40arrl.net

502. RE: [tvnsp] Atmospheric Soundings

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-25 18:48:28 UTC
From: Paul Verhage
Topic: 486 Message: 502

I ran the balloon track software using launch site of N 42.5836 W 114.4666 Alt 2100' Ascent rate 750 fpm, burst at 70,000', decent rate 1200 fpm. With the 7/24 12Z data it had a max wind of 33.4 mph bearing 10 deg at 35,433 ft. The landing site was W 42.3238 N 114.1777 flight time was 121 minutes bearing 140.5 deg range 23.2 miles.
++++++++++++++

For Saturday's flight use the following numbers.

Ascent rate, 800 to 1000 fpm
Max alt, 80,000 feet
Descent rate, 1200 fpm
Lat of launch site, 42.57 deg N
Long of launch site, -114.48 deg

We'll begin filling the balloon at 5:00 AM. Launch is at 6:00 AM. Lunch should be a 12:00 sharp.

Paul

503. RE: [tvnsp] Travel Time

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-25 18:54:02 UTC
From: Paul Verhage
Topic: 499 Message: 503

> Paul, I think I'd like to be on the road by 3 pm. This
> gives enough
> time to check in to the motel and proceed to the restaurant that Rick
> has chosen. Does this sound okay?
> John, what time are you leaving? Are you going
> transport the helium
> tanks for Paul?
> Who else is going?

I need to get to Twin earlier. I'll be running a test with the radio club on APRS. I'll need about an hour to do this. Dinner will begin around 6:00 PM. So if I get in by 4:00, that should work. This means I need to leave by 2:00.

Paul

504. RE: [tvnsp] Travel Time

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-25 18:55:43 UTC
From: Paul Verhage
Topic: 499 Message: 504

3 pm sounds good to me. I don't work on Friday so I can pick the helium up from Paul sometime before we leave. I don't have a shell for the pickup so either I'll have to keep them in the motel room overnight, or find some place around there to keep them. FYI, My wife and I are staying at the Super 8.
++++++++++++++++++++=

I'd like to get the helium on Thursday. John, can you call me? I'm at 631-7162

If anyone else needs to get hold of me, it's proably faster if you call.

Paul

505. Status, 25 July

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-25 19:07:36 UTC
From: Paul Verhage
Topic: 505 Message: 505

So far, I have orders for 9 t-shirts. Once I get three more, I'll order them. Before I do that, I'll post the number and sizes that everyone ordered, for confirmation.

I'm still waiting for the balloons to arrive. I'll double check with UPS, but they should be here before Friday. My first package arrived yesteday, so that's a good sign (they were ordered together)

Bozeman is having a launch in late august. I plan to attend. Is anyone else interested in going?

After dinner on Friday we'll teach the civilians how to become near space crew members. The movie, planets of the Apes opens that night. I may try to see it after the dinner and class.

Launch is bright and early on Saturday. Fill time begins at 5:00 AM. Launch at 6:00. If we have to cancel, I'll still hold the lesson, but move the launch to the following weekend.

The capsule is ready to go. I'll pick up the IR film this afternoon.

for flight predictions, it looks like the closest NWS station is still Boise. I can't get into the MRF site to look at predicted winds, but yesterday, they where predicted to be from the west.

506. Re: [tvnsp] Travel Time

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-25 20:35:21 UTC
From: Stephanie Steele
Topic: 499 Message: 506

Hi Paul,

Did you change the balloon's APRS path statement to RELAY or WIDE to make use of the digi's?

Stephanie

Paul Verhage wrote:

> > Paul, I think I'd like to be on the road by 3 pm. This
> > gives enough
> > time to check in to the motel and proceed to the restaurant that Rick
> > has chosen. Does this sound okay?
> > John, what time are you leaving? Are you going
> > transport the helium
> > tanks for Paul?
> > Who else is going?
>
> I need to get to Twin earlier. I'll be running a test with the radio club
> on APRS. I'll need about an hour to do this. Dinner will begin around 6:00
> PM. So if I get in by 4:00, that should work. This means I need to leave
> by 2:00.
>
> Paul
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

--
Stephanie

****

Send and receive money safely over the Internet by using PayPal. I use it and highly recommend it as a safe and reliable means to conduct business. By using the link below we both will receive a $5 sign up bonus.

https://www.paypal.com/refer/pal=kc7dba%40arrl.net

507. Re: [tvnsp] Travel Time

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-25 23:18:00 UTC
From: Jeff Melanson
Topic: 499 Message: 507

Stephanie,

Motel 6 told me that rooms fill up fast on Friday's. I recommend that
everyone make reservations now if you haven't already.

Jeff Melanson
KD7INN

Stephanie Steele wrote:
>
> Norma and I will be there. We plan on driving down on Friday and getting
> a room. Hope I don't jinx the launch ;-)
>
> --
> Stephanie
>
> ******************************

508. Re: [tvnsp] Atmospheric Soundings

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-26 00:02:58 UTC
From: Jeff Melanson
Topic: 486 Message: 508

Paul,

That Lat and Long would put the launch site at the corner if Wash St.
and Filer according to Street Atlas. That would be 1 mile S-SW of the
College.

I used the following:
Lat 42.58333
Long -114.47417
Ascent 800
Descent 1200
Burst 80,000
Alt 2100

With these parameters the capsule would land 26 miles away bearing 080
degrees.
The sounding data was 7/25 12Z.

The MRF looks like the winds will be from the West on Saturday Morning.
http://weather.unisys.com/mrf/mrf_4panel_60.html

Paul Verhage wrote:
>
> For Saturday's flight use the following numbers.
>
> Ascent rate, 800 to 1000 fpm
> Max alt, 80,000 feet
> Descent rate, 1200 fpm
> Lat of launch site, 42.57 deg N
> Long of launch site, -114.48 deg
>
> We'll begin filling the balloon at 5:00 AM. Launch is at 6:00 AM. Lunch
> should be a 12:00 sharp.
>
> Paul
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

509. Re: [tvnsp] Travel Time

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-26 00:51:30 UTC
From: Jeff Melanson
Topic: 499 Message: 509

Paul,

Okay, Let's make it 2:00 P.M. Will that work for you John? Do you want to meet somewhere? Stephanie said she and Norma will be arriving Friday night.

Here are some things for everyone to remember:

Twin Falls repeater is 146.760- (minus offset).
Call Signs, crew members, and guests:

Balloon KD4STH-11
Paul KD4STH
John Stone K7JPS
Stephanie K7DBA
Jeff KD7INN
Ray Silvia Crew Member
Norma Crew Member
Rick Widmer Astronomical Society

Pre launch dinner meeting: (Recommended by Rick Widmer)

The Mongolian House is at 180 Blue Lakes Blvd North, almost 2 miles south of Falls Avenue. (The southern access to CSI.) Look for it on the left if you are southbound, just before the 5 points junction with Addison Avenue. Plan on spending about $10 for the dinner special. If you need to call them the number is 736-2882.

-Lodging Info provided by Rick -
As to lodging the following are within a mile of the launch site. (unless noted.) Listed in no particular order.

AmeriTel Inns 736-8000
Weston Plaza 733-0650
Days Inn 324-6400 (At the freeway exit)
Super 8 734-5801
Shilo Inn 800 222-2244
Motel 6 734-3993
Cavanaughs 734-5000

If you are looking for food, just cruse Blue Lakes Blvd for a wide assortment of restaurants and fast food.

Jeff Melanson
KD7INN

Paul Verhage wrote:

> I need to get to Twin earlier. I'll be running a test with the radio club
> on APRS. I'll need about an hour to do this. Dinner will begin around 6:00
> PM. So if I get in by 4:00, that should work. This means I need to leave
> by 2:00.

510. Re: [tvnsp] Travel Time

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-26 00:56:30 UTC
From: Jeff Melanson
Topic: 499 Message: 510

Oops, I wrote earlier that I thought you were driving down Friday Night.
My mistake.
Will you be traveling with us or show up later? I don't know where we
are meeting yet but it looks like we are leaving no later than 2:00 P.M.

Jeff Melanson
KD7INN

Stephanie Steele wrote:
>
> Norma and I will be there. We plan on driving down on Friday and getting
> a room. Hope I don't jinx the launch ;-)
>
> --
> Stephanie
>
> ********************************
>
> Send and receive money safely over the Internet by using PayPal. I use
> it and highly recommend it as a safe and reliable means to conduct
> business. By using the link below we both will receive a $5 sign up
> bonus.
>
> https://www.paypal.com/refer/pal=kc7dba%40arrl.net
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
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511. RE: [tvnsp] Travel Time

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-26 01:59:12 UTC
From: K7JPS - John
Topic: 499 Message: 511

2:00 will work for me. Jeff, do you want to recommend a meeting place for Friday afternoon. I will be coming from Caldwell, and I would guess that Paul will too, I don't see any need for you to drive this direction first.

John Stone
K7JPS
-----Original Message-----
From: Jeff Melanson [mailto:kd7inn@...]
Sent: Wednesday, July 25, 2001 18:52
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] Travel Time

Paul,

Okay, Let's make it 2:00 P.M. Will that work for you John? Do you want
to meet somewhere? Stephanie said she and Norma will be arriving Friday night.

Here are some things for everyone to remember:

Twin Falls repeater is 146.760- (minus offset).
Call Signs, crew members, and guests:

Balloon KD4STH-11
Paul KD4STH
John Stone K7JPS
Stephanie K7DBA
Jeff KD7INN
Ray Silvia Crew Member
Norma Crew Member
Rick Widmer Astronomical Society

Pre launch dinner meeting: (Recommended by Rick Widmer)

The Mongolian House is at 180 Blue Lakes Blvd North, almost 2 miles south of Falls Avenue. (The southern access to CSI.) Look for it on the left if you are southbound, just before the 5 points junction with Addison Avenue. Plan on spending about $10 for the dinner special. If you need to call them the number is 736-2882.

-Lodging Info provided by Rick -
As to lodging the following are within a mile of the launch site. (unless noted.) Listed in no particular order.

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Motel 6 734-3993
Cavanaughs 734-5000

If you are looking for food, just cruse Blue Lakes Blvd for a wide assortment of restaurants and fast food.

Jeff Melanson
KD7INN

Paul Verhage wrote:

> I need to get to Twin earlier. I'll be running a test with the radio club
> on APRS. I'll need about an hour to do this. Dinner will begin around 6:00
> PM. So if I get in by 4:00, that should work. This means I need to leave
> by 2:00.

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512. Re: [tvnsp] Travel Time

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-26 02:39:35 UTC
From: Jeff Melanson
Topic: 499 Message: 512

John,

Let's meet at the Eagle Road Exit. Exit #46. Exit to the North side and pull in to the Chevron station on the left. 2:00 P.M.

Jeff Melanson
KD7INN

> K7JPS - John wrote:
>
> 2:00 will work for me. Jeff, do you want to recommend a meeting place
> for Friday afternoon. I will be coming from Caldwell, and I would
> guess that Paul will too, I don't see any need for you to drive this
> direction first.
>
> John Stone
> K7JPS
>
> -----Original Message-----
> From: Jeff Melanson [mailto:kd7inn@...]
> Sent: Wednesday, July 25, 2001 18:52
> To: tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] Travel Time
>
> Paul,
>
> Okay, Let's make it 2:00 P.M. Will that work for you
> John? Do you want
> to meet somewhere? Stephanie said she and Norma will be
> arriving Friday
> night.
>
> Here are some things for everyone to remember:
>
> Twin Falls repeater is 146.760- (minus offset).
> Call Signs, crew members, and guests:
>
> Balloon KD4STH-11
> Paul KD4STH
> John Stone K7JPS
> Stephanie K7DBA
> Jeff KD7INN
> Ray Silvia Crew Member
> Norma Crew Member
> Rick Widmer Astronomical Society
>

> Pre launch dinner meeting: (Recommended by Rick Widmer)
>
> The Mongolian House is at 180 Blue Lakes Blvd North, almost
> 2 miles
> south of Falls Avenue. (The southern access to CSI.) Look
> for it on the
> left if you are southbound, just before the 5 points
> junction with
> Addison Avenue. Plan on spending about $10 for the dinner
> special. If
> you need to call them the number is 736-2882.
>
> -Lodging Info provided by Rick -
> As to lodging the following are within a mile of the launch
> site.
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>
> AmeriTel Inns 736-8000
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> Super 8 734-5801
> Shilo Inn 800 222-2244
> Motel 6 734-3993
> Cavanaughs 734-5000
>
> If you are looking for food, just cruse Blue Lakes Blvd for
> a wide
> assortment of restaurants and fast food.
>
> Jeff Melanson
> KD7INN
>
> Paul Verhage wrote:
>
> > I need to get to Twin earlier. I'll be running a test
> with the radio club
> > on APRS. I'll need about an hour to do this. Dinner will
> begin around 6:00
> > PM. So if I get in by 4:00, that should work. This means
> I need to leave
> > by 2:00.
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>
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513. Re: [tvnsp] Travel Time

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-26 02:57:14 UTC
From: Bob Gomes
Topic: 499 Message: 513

Paul,

Frank (AC7BF) and myself (W7AFM) have a gateway working here in Boise now. The APRS freq. is the same 144.390 and the HF freq. is 10.150.50. When the conditions are right we have been getting into the east coast and just about all the lower 48 states and into Canada. If your team team wants to use our gateway directly the alias is REDNEK. If Frank or myself can be of any more help just let us know. Good luck on your next flight.

73s de Bob W7AFM

Jeff Melanson wrote:

> Oops, I wrote earlier that I thought you were driving down Friday
> Night.
> My mistake.
> Will you be traveling with us or show up later? I don't know where we
> are meeting yet but it looks like we are leaving no later than 2:00
> P.M.
>
> Jeff Melanson
> KD7INN
>
> Stephanie Steele wrote:
> >
> > Norma and I will be there. We plan on driving down on Friday and
> getting
> > a room. Hope I don't jinx the launch ;-)
> >
> > --
> > Stephanie
> >
> > ********************************
> >
> > Send and receive money safely over the Internet by using PayPal. I
> use
> > it and highly recommend it as a safe and reliable means to conduct
> > business. By using the link below we both will receive a $5 sign up
> > bonus.
> >
> > https://www.paypal.com/refer/pal=kc7dba%40arrl.net
> >
> >
> > To unsubscribe from this group, send an email to:
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> >
> >
> >
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514. Re: [tvnsp] Travel Time

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-26 02:59:04 UTC
From: Stephanie Steele
Topic: 499 Message: 514

Correction!

Stephanie KC7DBA
Norma KC7DAZ

Jeff Melanson wrote:

> Paul,
>
> Okay, Let's make it 2:00 P.M. Will that work for you John? Do you want
> to meet somewhere? Stephanie said she and Norma will be arriving Friday
> night.
>
> Here are some things for everyone to remember:
>
> Twin Falls repeater is 146.760- (minus offset).
> Call Signs, crew members, and guests:
>
> Balloon KD4STH-11
> Paul KD4STH
> John Stone K7JPS
> Stephanie K7DBA
> Jeff KD7INN
> Ray Silvia Crew Member
> Norma Crew Member
> Rick Widmer Astronomical Society
>
> Pre launch dinner meeting: (Recommended by Rick Widmer)
>
> The Mongolian House is at 180 Blue Lakes Blvd North, almost 2 miles
> south of Falls Avenue. (The southern access to CSI.) Look for it on the
> left if you are southbound, just before the 5 points junction with
> Addison Avenue. Plan on spending about $10 for the dinner special. If
> you need to call them the number is 736-2882.
>
> -Lodging Info provided by Rick -
> As to lodging the following are within a mile of the launch site.
> (unless noted.) Listed in no particular order.
>
> AmeriTel Inns 736-8000
> Weston Plaza 733-0650
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> Super 8 734-5801
> Shilo Inn 800 222-2244
> Motel 6 734-3993
> Cavanaughs 734-5000

>
> If you are looking for food, just cruse Blue Lakes Blvd for a wide
> assortment of restaurants and fast food.
>
> Jeff Melanson
> KD7INN
>
> Paul Verhage wrote:
>
> > I need to get to Twin earlier. I'll be running a test with the radio club
> > on APRS. I'll need about an hour to do this. Dinner will begin around 6:00
> > PM. So if I get in by 4:00, that should work. This means I need to leave
> > by 2:00.
>
>
> To unsubscribe from this group, send an email to:
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>
>
>
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--
Stephanie

****

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https://www.paypal.com/refer/pal=kc7dba%40arrl.net

515. Re: [tvnsp] Travel Time

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-26 03:05:01 UTC
From: Jeff Melanson
Topic: 499 Message: 515

Correction noted.

Jeff Melanson
KD7INN

Stephanie Steele wrote:
>
> Correction!
>
> Stephanie KC7DBA
> Norma KC7DAZ
>
> Jeff Melanson wrote:
>
> > Paul,
> >
> > Okay, Let's make it 2:00 P.M. Will that work for you John? Do you want
> > to meet somewhere? Stephanie said she and Norma will be arriving Friday
> > night.
> >
> > Here are some things for everyone to remember:
> >
> > Twin Falls repeater is 146.760- (minus offset).
> > Call Signs, crew members, and guests:
> >
> > Balloon KD4STH-11
> > Paul KD4STH
> > John Stone K7JPS
> > Stephanie K7DBA
> > Jeff KD7INN
> > Ray Silvia Crew Member
> > Norma Crew Member
> > Rick Widmer Astronomical Society
> >
> > Pre launch dinner meeting: (Recommended by Rick Widmer)
> >
> > The Mongolian House is at 180 Blue Lakes Blvd North, almost 2 miles
> > south of Falls Avenue. (The southern access to CSI.) Look for it on the
> > left if you are southbound, just before the 5 points junction with
> > Addison Avenue. Plan on spending about $10 for the dinner special. If
> > you need to call them the number is 736-2882.
> >
> > -Lodging Info provided by Rick -
> > As to lodging the following are within a mile of the launch site.
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> >
> > AmeriTel Inns 736-8000
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> > Super 8 734-5801
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> >
> > If you are looking for food, just cruse Blue Lakes Blvd for a wide
> > assortment of restaurants and fast food.
> >
> > Jeff Melanson
> > KD7INN
> >
> > Paul Verhage wrote:
> >
> > > I need to get to Twin earlier. I'll be running a test with the radio club
> > > on APRS. I'll need about an hour to do this. Dinner will begin around 6:00
> > > PM. So if I get in by 4:00, that should work. This means I need to leave
> > > by 2:00.
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> >
> >
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>
> --
> Stephanie
>
> ******************************
>
> Send and receive money safely over the Internet by using PayPal. I use it and
> highly recommend it as a safe and reliable means to conduct business. By using the
> link below we both will receive a $5 sign up bonus.
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> https://www.paypal.com/refer/pal=kc7dba%40arrl.net
>
>
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516. Finally

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-26 03:26:05 UTC
From: kd7hgs@yahoo.com
Topic: 516 Message: 516

I finally am able to go to the group page. Please notice I have a change of email address, I will be using my call sign, kd7hgs, at yahoo.com for email for this group.

Due to a commitment made earlier this month I will not be able to attend the launch this Saturday. However, as plans changed recently, we will be able to attend the night launch in August.

Paul, thanks for visiting with me on the phone the other night. You don't have to worry about getting me set up on this list server again.

Am wishing you the best Saturday. Sounds like the winds will be cooperating with you. Hope they stay the same as they are now - calm and peaceful.

JohnK - KD7HGS

517. RE: [tvnsp] Status, 25 July

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-26 05:31:12 UTC
From: K7JPS - John
Topic: 505 Message: 517

I spoke with Paul this evening and he wanted this info passed on:

The 1000 g balloon arrived today so the only thing he is waiting for is batteries which he is expecting Thursday, if they don't arrive he does have enough on hand for this flight

He will be bringing a book on ballooning procedures for new crew members that he has developed.

For any non-licensed crew members that have scanners to monitor the chase, we will be using the Twin falls repeater on 146.760 MHz with backup on simplex at 146.52 MHz.

If the Astronomical Society has bumper stickers or fliers they would like to fly, bring them along and Paul will place them in the launch capsule.

The manifest for this flight will include:
3 Cameras, B&W Infra-red, Digital, and 35mm with color print film.
4 test tubes of radish seeds, 2 inside the capsules, 2 outside.
2 insect habitats
Environmental sounder (air temp, air pressure, relative humidity)

I cross referenced a map of CSI's Expo center with SA and came up with a lat/long of N 42.5836 W 114.4666. Based on Paul's Ascent/Decent and Burst info, using the 7/26 0Z data from Boise, the predicted landing site is 31.1 miles at 74.9 deg. at N 42.6991 W 113.8756 flight time of 130 minutes

John Stone
K7JPS

-----Original Message-----
From: Paul Verhage [mailto:pverhage@...]
Sent: Wednesday, July 25, 2001 13:08
To: 'tvnsp@egroups.com'
Subject: [tvnsp] Status, 25 July

So far, I have orders for 9 t-shirts. Once I get three more, I'll order them. Before I do that, I'll post the number and sizes that everyone ordered, for confirmation.

I'm still waiting for the balloons to arrive. I'll double check with UPS, but they should be here before Friday. My first package arrived yesteday, so that's a good sign (they were ordered together)

Bozeman is having a launch in late august. I plan to attend. Is anyone else interested in going?

After dinner on Friday we'll teach the civilians how to become near space crew members. The movie, planets of the Apes opens that night. I may try to see it after the dinner and class.

Launch is bright and early on Saturday. Fill time begins at 5:00 AM. Launch at 6:00. If we have to cancel, I'll still hold the lesson, but move
the launch to the following weekend.

The capsule is ready to go. I'll pick up the IR film this afternoon.

for flight predictions, it looks like the closest NWS station is still Boise. I can't get into the MRF site to look at predicted winds, but yesterday, they where predicted to be from the west.

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518. APRS Path

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-26 05:41:12 UTC
From: K7JPS - John
Topic: 499 Message: 518

I spoke with Paul, he has not changed the APRS path on the balloon from it's previous setting and being so close to launch time he is not sure that he wants to take it apart to get to the TNC and make the changes.

We'll see what our signal path is like on Saturday, and then make changes for the August 11 flight.

John Stone
K7JPS
-----Original Message-----
From: Stephanie Steele [mailto:kc7dba@...]
Sent: Wednesday, July 25, 2001 14:35
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] Travel Time

Hi Paul,

Did you change the balloon's APRS path statement to RELAY or WIDE to make use of
the digi's?

Stephanie

Paul Verhage wrote:

> > Paul, I think I'd like to be on the road by 3 pm. This
> > gives enough
> > time to check in to the motel and proceed to the restaurant that Rick
> > has chosen. Does this sound okay?
> > John, what time are you leaving? Are you going
> > transport the helium
> > tanks for Paul?
> > Who else is going?
>
> I need to get to Twin earlier. I'll be running a test with the radio club
> on APRS. I'll need about an hour to do this. Dinner will begin around 6:00
> PM. So if I get in by 4:00, that should work. This means I need to leave
> by 2:00.
>
> Paul
>
>
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>
>
>
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--
Stephanie

****

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highly recommend it as a safe and reliable means to conduct business. By
using
the link below we both will receive a $5 sign up bonus.

https://www.paypal.com/refer/pal=kc7dba%40arrl.net

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519. Status, 26 July

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-26 21:36:55 UTC
From: Paul Verhage
Topic: 519 Message: 519

Mark's report shows alot of the winds coming from the west-soutwest. So the balloon should recover to the east-northeast. The winds look light, so we shouldn't have to chase very far. I'll buy lunch for whoever manages to catch the balloon upon landing. Watch out for the antenna, though, I won't pay to have your eyeball replaced. Bring cameras and a camcorder, as we may get good images of the landing.

I have the balloons for the next two flights. I've also got a set of batteries, but should get another box today. I have two tanks of helium in my Jeep. I'll also bring the partial tank with me (actually, John Stone well). I'll load the film into the cameras tonight. We'll be shooting B&W IR along weith color. I erased the memory in the digital camera, so it's ready to shoot 160 pictures. That camera is mounted on a scanner, so it will focus on taking pictures of the horizon, balloon, and parachute.

Can anyone run a prediction on Friday night or Saturday morning?

The first stop once we're in Twin needs to be the Herrett Center. Afterwards, I need to check in with Lee and test the APRS telemetry with him. Lee will have the Twin Comm Van with him for the flight. I'll be at the Eagle exit by 2:00 PM, Friday

If you're not a licensed ham, but do have a scanner, tune it for 146.7600 for most of the chase and recovery. Towards the end we may have to change to 146.5200.

I have orders for 10 t-shirts so far. Once I get two more, I'll order them. Remember the prices are $10.25 for any size up to XL. After that, add an additional $2.00 per extra X. If you'd like to personalize yours, with your name, that's an additional $3.00.

Alright gang, it looks like we're ready to go. Let's train some civilians.

520. RE: [tvnsp] Finally

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-27 01:02:29 UTC
From: John Knapp
Topic: 516 Message: 520

I wish I could but I will be camping in Cascade Friday
night.

JohnK

--- Paul Verhage <pverhage@...> wrote:
> John, can you run a prediction for us on Friday
> night and Saturday morning?
> My cell phone number is 631-7162, and I'll carry it
> with me.
>
> Paul
>
> -----Original Message-----
> From: kd7hgs@...
> To: tvnsp@yahoogroups.com
> Sent: 7/25/01 9:26 PM
> Subject: [tvnsp] Finally
>
> I finally am able to go to the group page. Please
> notice I have a
> change of email address, I will be using my call
> sign, kd7hgs, at
> yahoo.com for email for this group.
>
> Due to a commitment made earlier this month I will
> not be able to
> attend the launch this Saturday. However, as plans
> changed recently,
> we will be able to attend the night launch in
> August.
>
> Paul, thanks for visiting with me on the phone the
> other night. You
> don't have to worry about getting me set up on this
> list server
> again.
>
> Am wishing you the best Saturday. Sounds like the
> winds will be
> cooperating with you. Hope they stay the same as
> they are now - calm
> and peaceful.
>
> JohnK - KD7HGS

>
>
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http://phonecard.yahoo.com/

521. RE: [tvnsp] Finally

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-27 03:40:41 UTC
From: K7JPS - John
Topic: 516 Message: 521

I'm bringing my laptop with me so that I can run a prediction on Friday night. We'll be flying Saturday morning before the data is available.

John Stone
K7JPS
-----Original Message-----
From: John Knapp [mailto:kd7hgs@...]
Sent: Thursday, July 26, 2001 19:02
To: tvnsp@yahoogroups.com
Subject: RE: [tvnsp] Finally

I wish I could but I will be camping in Cascade Friday night.

JohnK

--- Paul Verhage <pverhage@...> wrote:
> John, can you run a prediction for us on Friday
> night and Saturday morning?
> My cell phone number is 631-7162, and I'll carry it
> with me.
>
> Paul
>
> -----Original Message-----
> From: kd7hgs@...
> To: tvnsp@yahoogroups.com
> Sent: 7/25/01 9:26 PM
> Subject: [tvnsp] Finally
>
> I finally am able to go to the group page. Please
> notice I have a
> change of email address, I will be using my call
> sign, kd7hgs, at
> yahoo.com for email for this group.
>
> Due to a commitment made earlier this month I will
> not be able to
> attend the launch this Saturday. However, as plans
> changed recently,
> we will be able to attend the night launch in
> August.
>
> Paul, thanks for visiting with me on the phone the
> other night. You
> don't have to worry about getting me set up on this

> list server
> again.
>
> Am wishing you the best Saturday. Sounds like the
> winds will be
> cooperating with you. Hope they stay the same as
> they are now - calm
> and peaceful.
>
> JohnK - KD7HGS
>
>
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>
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522. Prediction

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-27 15:36:23 UTC
From: John Knapp
Topic: 516 Message: 522

Good morning. I ran a fast prediction this morning, it looks like the balloon will land about 15 miles nw of Minidoka. The area is rolly desert with few roads and lots of sage brush (i.e. ticks). If your computer maps do not show many roads you may want to consider buying a county map which will show more detailed trails and dirt roads. You may need four wheel drive is some areas (there you go Paul - 4wheeling..).

Wish everyone a great time, wish I was going with you. See you later, will give John Stone a yell on the radio sunday afternoon (20 repeater).

JohnK

Do You Yahoo!?
Make international calls for as low as $.04/minute with Yahoo! Messenger
http://phonecard.yahoo.com/

523. Re: [tvnsp] Twin Falls Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-29 05:00:42 UTC
From: Jeff Melanson
Topic: 497 Message: 523

Here is some preliminary info on the Twin Falls flight:

The Twin Falls launch was perfect. We filled inside a large building at the college, put everything together and had a launch to be proud of. Unfortunately the capsule stopped transmitting at 35,500 ft for unknown reasons. We tried to be at the predicted landing site but saw nothing. Eventually we went back to Lee's Ham Shack (K6ZVA) and ran more predictions with the most current data. We were not far enough NE to see the landing. We were able to define a narrow search area about 3 miles wide. We did try to have the Civil Air Patrol take a look but due to poor communications they didn't look were we needed them. Paul will see if it is possible to arrange a flight with them. Paul and John Stone have the landing site details and will probably post them shortly.
The August 11th flight is now in jeopardy. This flight will depend on whether or not Paul has enough time and equipment to put prepare two more capsules. Paul, is there anything we can do to help?

Jeff Melanson
KD7INN

524. Re: [tvnsp] Twin Falls Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-29 14:59:45 UTC
From: Stephanie Steele
Topic: 497 Message: 524

Paul,

Can you post your mailing address. I have something to send you. Thanks.

--
Stephanie

****

Send and receive money safely over the Internet by using PayPal. I use it and highly recommend it as a safe and reliable means to conduct business. By using the link below we both will receive a $5 sign up bonus.

https://www.paypal.com/refer/pal=kc7dba%40arrl.net

525. locator beacon

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-30 07:15:40 UTC
From: Rick Widmer
Topic: 525 Message: 525

Paul:

Here is a $40 kit that will send a callsign on a field programmable 2M frequency, starting after a variable time delay.

http://c118618-a.frmt1.sfba.home.com/fox.html

I have a feeling there is a still simpler design, but this is available, reasonably priced, small and light weight. It should make a good locator beacon. I do think it should have its own power supply, antenna, and be self contained. That way no failure of capsule control systems can cause a beacon failure.

It has the following items that can be programmed before use:
ID Message
Off time between transmissions
Hang time between transmissions
Speed of Morse ID
3 field selectable frequencies

You might also want to look at this:

http://www.tapr.org/tapr/html/Fpice.html

If the 'fox' transmitter is powerful enough to be recieved during an entire flight, it may be possible to take the transmitter from it and this circut, build them on one small board, replacing the radio and TNC in the capsule. You might be looking at an entire transmitter package about the size of your existing controller board, that replaces the weight of the transciever and TNC.

This kit handles X.25 packet encoding, and scaling data. GPS is a native format. It looks like you can even set it up to prescale data for transmission so battery voltage is sent like 6.25 instead sending the ADC output value. It requires PIC programming, but I have a friend who has been doing it for years.

Rick

526. GPS network glitch on Saturday

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-30 13:36:01 UTC
From: Craig Brunson
Topic: 526 Message: 526

I don't know if you know about a reported GPS network glitch that occurred on Saturday, but the TAPR group has at least 5 locations across North America that lost all GPS activity for a period of time. My boss was flying back from Ashland, Oregon at the time & his GPS navigation went dead. This was on Saturday afternoon & I think your launch was in the morning so this may not have effected your system. I am still looking for others that saw this.

On another note, we fly aircraft beacons on a 'practice' frequency, when we fly our high altitude balloons. This gives us a backup for locating the payload when it comes down. It is a small board about 2 x 3" with a pre-built antenna. Just add batteries (3 ea 2/3 A for 9v) and it is good for about a week. Our tracker aircraft has the DF antennas on the belly & will give a bearing to track.

73
Craig
N7TSZ

527. Re: [tvnsp] GPS network glitch on Saturday

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-30 14:48:52 UTC
From: Doug Rich
Topic: 526 Message: 527

Would you please give more information about the beacon?

Doug KD6GCL

At 06:36 AM 7/30/01 -0700, you wrote:
>I don't know if you know about a reported GPS network glitch that occurred
>on Saturday, but the TAPR group has at least 5 locations across North
>America that lost all GPS activity for a period of time. My boss was flying
>back from Ashland, Oregon at the time & his GPS navigation went dead. This
>was on Saturday afternoon & I think your launch was in the morning so this
>may not have effected your system. I am still looking for others that saw
>this.
>
>On another note, we fly aircraft beacons on a 'practice' frequency, when we
>fly our high altitude balloons. This gives us a backup for locating the
>payload when it comes down. It is a small board about 2 x 3" with a
>pre-built antenna. Just add batteries (3 ea 2/3 A for 9v) and it is good
>for about a week. Our tracker aircraft has the DF antennas on the belly &
>will give a bearing to track.
>
>73
>Craig
>N7TSZ
>
>
>
>To unsubscribe from this group, send an email to:
>tvnsp-unsubscribe@egroups.com
>
>
>
>Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

528. Re: [tvnsp] GPS network glitch on Saturday

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-30 15:58:08 UTC
From: Craig Brunson
Topic: 526 Message: 528

The beacon is the board from a series 3000 ELT beacon. The mfr is Pointer, Inc. in Tempe, AZ. You can get contact information at: http://www.pointerinc.com/

They are a bit costly I think. Somewhere around $90. This could be used with the CAP aircraft, using a DF receiver, or with ground based receivers with a beam.

You could also make an HF QRP beacon a lot cheaper. My boss, K7IRK, has made these before.

Craig, N7TSZ
----- Original Message -----
From: Doug Rich
To: tvnsp@yahoogroups.com
Sent: Monday, July 30, 2001 7:48 AM
Subject: Re: [tvnsp] GPS network glitch on Saturday

Would you please give more information about the beacon?

Doug KD6GCL

529. RE: [tvnsp] locator beacon

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-30 18:32:38 UTC
From: Paul Verhage
Topic: 525 Message: 529

Thanks, I'll look into them. The PIC TNC sounds like the MIM module.

Paul

> -----Original Message-----
> From: Rick Widmer [mailto:rwidmer@...]
> Sent: Monday, July 30, 2001 1:16 AM
> To: tvnsp@yahoogroups.com
> Subject: [tvnsp] locator beacon
>
>
> Paul:
>
>
> Here is a $40 kit that will send a callsign on a field programmable 2M
> frequency, starting after a variable time delay.
>
> http://c118618-a.frmt1.sfba.home.com/fox.html
>
> I have a feeling there is a still simpler design, but this is
> available,
> reasonably priced, small and light weight. It should make a good
> locator beacon. I do think it should have its own power supply,
> antenna, and be self contained. That way no failure of
> capsule control
> systems can cause a beacon failure.
>
> It has the following items that can be programmed before use:
> ID Message
> Off time between transmissions
> Hang time between transmissions
> Speed of Morse ID
> 3 field selectable frequencies
>
>
>
> You might also want to look at this:
>
> http://www.tapr.org/tapr/html/Fpice.html
>
> If the 'fox' transmitter is powerful enough to be recieved during an
> entire flight, it may be possible to take the transmitter from it and
> this circut, build them on one small board, replacing the
> radio and TNC
> in the capsule. You might be looking at an entire transmitter package

> about the size of your existing controller board, that replaces the
> weight of the transciever and TNC.
>
> This kit handles X.25 packet encoding, and scaling data. GPS is a
> native format. It looks like you can even set it up to prescale data
> for transmission so battery voltage is sent like 6.25 instead sending
> the ADC output value. It requires PIC programming, but I
> have a friend
> who has been doing it for years.
>
>
> Rick
>
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530. RE: [tvnsp] Twin Falls Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-30 18:31:28 UTC
From: Paul Verhage
Topic: 497 Message: 530

I'm at 207 Crestline #3
Caldwell, ID 83605

Paul

> -----Original Message-----
> From: Stephanie Steele [mailto:kc7dba@...]
> Sent: Sunday, July 29, 2001 9:00 AM
> To: tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] Twin Falls Launch
>
>
> Paul,
>
> Can you post your mailing address. I have something to send
> you. Thanks.
>
>
>
> --
> Stephanie
>
> ******************************
>
> Send and receive money safely over the Internet by using PayPal. I use
> it and highly recommend it as a safe and reliable means to conduct
> business. By using the link below we both will receive a $5 sign up
> bonus.
>
> https://www.paypal.com/refer/pal=kc7dba%40arrl.net
>
>
>
>
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> Small business owners...
> Tell us what you think!
> http://us.click.yahoo.com/vO1FAB/txzCAA/ySSFAA/RGYolB/TM
> ---
> --------~->
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>

>
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531. Status, 30 July

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-30 19:11:48 UTC
From: Paul Verhage
Topic: 531 Message: 531

I've put the log together and imported it into a spread sheet. Here's the results.

The main battery voltage went from 6.03 volts to 6.25 volts over 50 minutes. This has never happened, the main voltage tends to drop slightly during a flight. The computer on the capsule did not reset itself, it functioned perfectly until it just quit. The servo voltage acted normally, so I'm confident the increase in the main voltage was real. Saturday night when I went to unload my car, I found the trunk filled with sulphur dioxide. One of the test batteries shorted out. It melted a plastic box, a nylon bag, and a spot in my trunk liner. The battery was from the same batch as the battery that went up on TV01E. It may be a coincidence, however.

By the way, S&G is running out of batteries and rasied their price to $35 (use to be $20).

There are three temperature sensors inside the capsule. Two of them measured normal temperature decreases, the third shows a lower than normal temperature.

The average ascent rate is closer to 650 fpm. We need to rerun predictions on this rate and create new estimates of the recovery zone. The software prediction will be modified based on the balloon's actual performance up to 35,500. John, since your closer, can I stop by tonight and run these predictions with you? I need to pick up the helium while I'm there.

Jeff has some ultralight pilots who are interested in doing the rescue. We need to generate a new solution soon, for them. Since we know the actual ascent rate and the landing site is not strongly effected by the altitude changing from 70,000 to 85,000 feet, I think we have a high proability of recoverying the capsule, once we begin an airborne search.

To launch the August launch, we need a tracker (TNC, GPS, and radio). If someone has a stand-alone setup they'd like to launch, please contact me (631-7162). We just need to track the camcorder, there will be no other data collected for this flight.

I have a TNC and HT at home, but no spare GPS. An ETREX GPS should work. I'll start a search for one. Bob and Leonard, where did you find your's? There's a greater chance of sucess if we could use someone else's tracker that has been tested, rather than trying to build a new one.

U of Montana, can I convince you to come out to Twin Falls and launch your capsule with my camcorder? Please call me at (208) 631-7162 if something can be worked out. I have a 3000 gram balloon and helium for the flight, I just need a lift.

I have a new design for a balloon controller. I'll shoot a copy tonight. After I try soldering it together, I'll send a copy to Bob and Leonard. I'll need an address from you.

There are 43 digital imagines waiting for us to download. If the other cameras worked properly, there are 16 pairs of visible and IR photos waiting there.

Paul

532. Re: [tvnsp] Status, 30 July

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-30 19:56:51 UTC
From: John Knapp
Topic: 531 Message: 532

Paul, are you refering to John Stone or me, John Knapp. You are more then welcome to come over to my place if needed.

John Knapp
KD7HGS
--- Paul Verhage <pverhage@...> wrote:
> I've put the log together and imported it into a
> spread sheet. Here's the
> results.
>
> The main battery voltage went from 6.03 volts to
> 6.25 volts over 50 minutes.
> This has never happened, the main voltage tends to
> drop slightly during a
> flight. The computer on the capsule did not reset
> itself, it functioned
> perfectly until it just quit. The servo voltage
> acted normally, so I'm
> confident the increase in the main voltage was real.
> Saturday night when I
> went to unload my car, I found the trunk filled with
> sulphur dioxide. One
> of the test batteries shorted out. It melted a
> plastic box, a nylon bag,
> and a spot in my trunk liner. The battery was from
> the same batch as the
> battery that went up on TV01E. It may be a
> coincidence, however.
>
> By the way, S&G is running out of batteries and
> rasied their price to $35
> (use to be $20).
>
> There are three temperature sensors inside the
> capsule. Two of them
> measured normal temperature decreases, the third
> shows a lower than normal
> temperature.
>
> The average ascent rate is closer to 650 fpm. We
> need to rerun predictions
> on this rate and create new estimates of the
> recovery zone. The software
> prediction will be modified based on the balloon's

> actual performance up to
> 35,500. John, since your closer, can I stop by
> tonight and run these
> predictions with you? I need to pick up the helium
> while I'm there.
>
> Jeff has some ultralight pilots who are interested
> in doing the rescue. We
> need to generate a new solution soon, for them.
> Since we know the actual
> ascent rate and the landing site is not strongly
> effected by the altitude
> changing from 70,000 to 85,000 feet, I think we have
> a high proability of
> recoverying the capsule, once we begin an airborne
> search.
>
> To launch the August launch, we need a tracker (TNC,
> GPS, and radio). If
> someone has a stand-alone setup they'd like to
> launch, please contact me
> (631-7162). We just need to track the camcorder,
> there will be no other
> data collected for this flight.
>
> I have a TNC and HT at home, but no spare GPS. An
> ETREX GPS should work.
> I'll start a search for one. Bob and Leonard, where
> did you find your's?
> There's a greater chance of sucess if we could use
> someone else's tracker
> that has been tested, rather than trying to build a
> new one.
>
> U of Montana, can I convince you to come out to Twin
> Falls and launch your
> capsule with my camcorder? Please call me at (208)
> 631-7162 if something
> can be worked out. I have a 3000 gram balloon and
> helium for the flight, I
> just need a lift.
>
> I have a new design for a balloon controller. I'll
> shoot a copy tonight.
> After I try soldering it together, I'll send a copy
> to Bob and Leonard.
> I'll need an address from you.
>
> There are 43 digital imagines waiting for us to
> download. If the other

> cameras worked properly, there are 16 pairs of
> visible and IR photos waiting
> there.
>
> Paul
>

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533. Re: [tvnsp] Status, 30 July

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-30 17:17:00 UTC
From: Rick Widmer
Topic: 531 Message: 533

Paul:

Paul Verhage wrote:
>
> I've put the log together and imported it into a spread sheet. Here's the
> results.
>

Can I get a copy of the raw data and a link to the info on how to decode
it? I'd like to try to write a program to decode it in the field.

Also, did I hear there was a way to get the data off the Internet in
near real time?

> I have a new design for a balloon controller. I'll shoot a copy tonight.
> After I try soldering it together, I'll send a copy to Bob and Leonard.
> I'll need an address from you.

I'd like to take a look at your design too. I don't need a board, just
the schematic, layout and parts list.

A sample program or two would be nice.

Thanks, Rick

534. Re: [tvnsp] GPS network glitch on Saturday

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-30 21:40:11 UTC
From: Randy Farley
Topic: 526 Message: 534

Hmmm..
I wondered why i had to restart my GPS Saturday after i got off work.
Went to work Saturday morning(7:30AM) til around (12:30) to finish up
an emergency project.
When i got in my pickup to leave work,the gps had a message to power
down and restart.
At home, I checked the progress of the launch to find only one received
report
from the Balloon. There was only one incomplete gps transmission at 35K
feet.
I believe that was the last altitude reported by the chase crew also.
Kind of a weird coincident now that i think about it after your report
Craig.
X-file story material here maybe?

Craig Brunson wrote:
> I don't know if you know about a reported GPS network glitch that occurred
> on Saturday, but the TAPR group has at least 5 locations across North
> America that lost all GPS activity for a period of time. My boss was flying
> back from Ashland, Oregon at the time & his GPS navigation went dead. This
> was on Saturday afternoon & I think your launch was in the morning so this
> may not have effected your system. I am still looking for others that saw
> this.
>

Regards,
Randy Farley
N7GPS -Ham Call-
My Home at: http://map.findu.com/n7gps
Find my pickup at: http://map.findu.com/n7gps-9
Also see daily weather radar reports for my positions at:
(scroll to bottom of page)
http://www.findu.com/cgi-bin/find.cgi?call=n7gps&radar=CBX

535. Re: [tvnsp] Status, 30 July

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-31 00:27:32 UTC
From: Jeff Melanson
Topic: 531 Message: 535

Paul Verhage wrote:
>
>
> Jeff has some ultralight pilots who are interested in doing the rescue. We
> need to generate a new solution soon, for them. Since we know the actual
> ascent rate and the landing site is not strongly effected by the altitude
> changing from 70,000 to 85,000 feet, I think we have a high proability of
> recoverying the capsule, once we begin an airborne search.

Hi all,

Ron Bolander is the ultralight pilot I spoke with. He will ask his group if they want to fly this mission. He believes they would be excited about it because it would give them a fun objective. He needs at least one other group member to go with him for safety reasons. We would have to provide some ground support, I.E. carry some fuel to refill. These pilots can land almost anywhere. If there is a good road near the capsule they could possibly bring the capsules back. If not then they could get a GPS fix on it and we will have to do some 4 wheeling and hiking. They can't fly the mission this weekend because of a prior commitment. They can fly on the same day we plan the night launch. Ron would like to have a meeting next week to discuss the details. We would need to show them some capsules and a parachute and maybe some photographs of previous landing sites. We would need to show them how to disassemble the capsules if we choose to have them bring it back. They would have to split the payload up among them due to weight considerations. 17 lb's is significant on an ultralight. Ron would prefer to have the meeting on Monday or Tuesday night to give enough preparation time. Ron's group has a spare portable aircraft radio so that we can be in contact with them during the mission. If we can come up with a lightweight portable tracker then we could track his location and coordinate the search efforts. Does anyone have a suggestion or equipment available? I agree with Paul that we have a high probability of success. The more help we get with manpower and equipment the better our chances. I also think we should offer an extra incentive. For example, the one who finds the capsule first get's a free lunch or a free TVNSP t-shirt.
Ron used to be a Ham but has let his ticket run out past the grace period. Ron is interested in getting his license again. We also talked about possible future missions to help track and to get some aerial photography of the balloon. There are a lot of possibilities here.

KD7INN
Jeff Melanson

536. Re: [tvnsp] Status, 30 July

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-07-31 02:02:32 UTC
From: Mike Garske
Topic: 531 Message: 536

Paul,

What was the last known position of the capsule, and what was the projected landing area? I have the next couple of days off, Tuesday and Wednesday...I wouldn't mind taking a drive over there to look for the capsule. And I promise to take pics and get an exact fix of the landing spot if I find it. Anybody else interested in going?

Mike KC7DPD

537. Capsule Recovery

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-01 02:13:48 UTC
From: Jeff Melanson
Topic: 537 Message: 537

Hi All,

I just got off the phone with Paul and he wanted me to bring everyone up to date on a few things.
We will have a meeting on Monday, Aug. 6th, with the ultralight pilots at Meridian Pizza at 6:30 P.M. Please plan on attending even if you can't do the rescue. The recovery mission is planned for Aug. 11th. We will show them what the capsules and parachute look like and coordinate Air and Ground crews. Paul will also be showing the video from the camcorder that fell back to Earth.
It looks like Paul will not be able to have a capsule ready for The Twin Falls flight. He is working on arrangements to go to Montana and fly the camcorder on their capsule. Paul will keep us up to date.
The T-shirts are on order.

Who can attend the meeting?

Who can go on the recovery mission?

Paul's phone number is 631-7162.

KD7INN
Jeff Melanson

538. Re: [tvnsp] Capsule Recovery

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-01 02:30:52 UTC
From: John Knapp
Topic: 537 Message: 538

Jeff, I will be at the meeting. Is the meeting at
Idaho Pizza in Meridian?

John Knapp
KD7HGS
--- Jeff Melanson <kd7inn@...> wrote:
> Hi All,
>
> I just got off the phone with Paul and he wanted me
> to bring everyone
> up to date on a few things.
> We will have a meeting on Monday, Aug. 6th, with
> the ultralight pilots
> at Meridian Pizza at 6:30 P.M. Please plan on
> attending even if you
> can't do the rescue. The recovery mission is planned
> for Aug. 11th. We
> will show them what the capsules and parachute look
> like and coordinate
> Air and Ground crews. Paul will also be showing the
> video from the
> camcorder that fell back to Earth.
> It looks like Paul will not be able to have a
> capsule ready for The
> Twin Falls flight. He is working on arrangements to
> go to Montana and
> fly the camcorder on their capsule. Paul will keep
> us up to date.
> The T-shirts are on order.
>
> Who can attend the meeting?
>
> Who can go on the recovery mission?
>
> Paul's phone number is 631-7162.
>
> KD7INN
> Jeff Melanson
>

_____
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Make international calls for as low as $.04/minute with Yahoo! Messenger
http://phonecard.yahoo.com/

539. Re: [tvnsp] Capsule Recovery

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-01 02:37:37 UTC
From: Jeff Melanson
Topic: 537 Message: 539

John Knapp wrote:
>
> Jeff, I will be at the meeting. Is the meeting at
> Idaho Pizza in Meridian?

Hi John,

Yes, we chose Meridian this time. This is where the ultralight group
usually meets. It will be Monday at 6:30 P.M.
Can I convince you to come on the recovery mission?

KD7INN
Jeff Melanson

540. Website

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-01 04:47:20 UTC
From: Jeff Melanson
Topic: 540 Message: 540

Bob Moody,

Is there a website describing your balloon program?

Jeff Melanson
KD7INN

541. Re: [tvnsp] Capsule Recovery

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-01 06:28:44 UTC
From: Mike Garske
Topic: 537 Message: 541

Paul,

I can be at the meeting on the 6th, and part of the recovery team on the 11th.....see ya there!

Mike KC7DPD

----- Original Message -----
From: "Jeff Melanson" <kd7inn@...>
To: <tvnsp@yahoogroups.com>
Sent: Tuesday, July 31, 2001 8:13 PM
Subject: [tvnsp] Capsule Recovery

> Hi All,
>
> I just got off the phone with Paul and he wanted me to bring everyone
> up to date on a few things.
> We will have a meeting on Monday, Aug. 6th, with the ultralight pilots
> at Meridian Pizza at 6:30 P.M. Please plan on attending even if you
> can't do the rescue. The recovery mission is planned for Aug. 11th. We
> will show them what the capsules and parachute look like and coordinate
> Air and Ground crews. Paul will also be showing the video from the
> camcorder that fell back to Earth.
> It looks like Paul will not be able to have a capsule ready for The
> Twin Falls flight. He is working on arrangements to go to Montana and
> fly the camcorder on their capsule. Paul will keep us up to date.
> The T-shirts are on order.
>
> Who can attend the meeting?
>
> Who can go on the recovery mission?
>
> Paul's phone number is 631-7162.
>
> KD7INN
> Jeff Melanson
>
>
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>

542. RE: [tvnsp] GPS network glitch on Saturday

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-01 20:23:16 UTC
From: Paul Verhage
Topic: 526 Message: 542

If the GPS quits outputting data, it shouldn't effect the capsule. It's programmed to ignore the GPS if it doesn't recieve data within 30 seconds.

However, I'll need to review the log, we may have quit at the time it was looking at the GPS.

There is a possibility that if the GPS was putting out gibberish, the basic stamp would have waited until it straighten out.

Perhaps we do have a possbility here. What time did the GPS glitch occur and what would GPS recievers output?

Paul

543. Status, 1 August

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-01 20:40:18 UTC
From: Paul Verhage
Topic: 543 Message: 543

The pizza meeting for the recovery is scheduled for 7:00 PM. location is the Meridan Idaho Pizza Company. Topic: Getting my baby back.

We'll need crews to drive out to the predicted landing site to help out with the air search. I'll proably be driving to Montana that afternoon, so I'll be able to help out for the morning.

I'm interested in driving out to the predicted landing site this weekend, for a brief ground search. The predicted landing site is over 20 miles west of American Falls. If you're interested, give me a call at 631-7162.

I need to look into this GPS glitch that occured on Saturday. It's possible that locked up the flight computer. Bob Moody, who has experience with these lithium batteries, says the voltage rise is normal. I'll update the webpage this week so everyone can see what data we have.

Paul

544. Re: [tvnsp] Capsule Recovery

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-01 22:26:36 UTC
From: Stephanie Steele
Topic: 537 Message: 544

I am working Monday so can not make the meeting. I would appreciate a posting to the list of the salient points from the meeting. I would be happy to help with the recovery mission. Has there been any consideration to a ground search prior to the 11th with the latest landing projections? Please keep the list posted as to time and date.

Stephanie

Jeff Melanson wrote:

> Hi All,
>
> I just got off the phone with Paul and he wanted me to bring everyone
> up to date on a few things.
> We will have a meeting on Monday, Aug. 6th, with the ultralight pilots
> at Meridian Pizza at 6:30 P.M. Please plan on attending even if you
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> Air and Ground crews. Paul will also be showing the video from the
> camcorder that fell back to Earth.
> It looks like Paul will not be able to have a capsule ready for The
> Twin Falls flight. He is working on arrangements to go to Montana and
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> The T-shirts are on order.
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> Who can go on the recovery mission?
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> KD7INN
> Jeff Melanson
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>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
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>
>
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--
Stephanie

****

Send and receive money safely over the Internet by using PayPal. I use it and highly recommend it as a safe and reliable means to conduct business. By using the link below we both will receive a $5 sign up bonus.

https://www.paypal.com/refer/pal=kc7dba%40arrl.net

545. Re: [tvnsp] Capsule Recovery

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-02 01:14:19 UTC
From: Randy Farley
Topic: 537 Message: 545

Jeff

I can make the meeting Monday. Not sure about the 11th yet. Last time i commited,my work got in the way. This is our busy season at work,so i have to be careful about answering my phone. Should get caller ID i guess.

If i can make the llth search,would it be of any help if i brought my ATV 4-wheeler to help cover more ground? Have no idea what the terrain access is like.

Jeff Melanson wrote:
>
> Hi All,
>
> I just got off the phone with Paul and he wanted me to bring everyone
> up to date on a few things.
> We will have a meeting on Monday, Aug. 6th, with the ultralight pilots
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>
>
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--
Regards,
Randy Farley
N7GPS -Ham Call-
My Home at: http://map.findu.com/n7gps
Find my pickup at: http://map.findu.com/n7gps-9
Also see daily weather radar reports for my positions at:
(scroll to bottom of page)
http://www.findu.com/cgi-bin/find.cgi?call=n7gps&radar=CBX

546. Re: [tvnsp] Capsule Recovery

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-02 03:51:30 UTC
From: Jeff Melanson
Topic: 537 Message: 546

Hi Everyone,

There's been some more changes and every effort will be made to keep everybody up to date. At this stage of planning changes shouldn't be to much of a surprise.
The Montana group will not be available to launch Paul's camcorder, therefore we will go ahead with plans to launch our own capsule on the 11th at 10:00 P.M. as originally planned.
Someone e-mailed Paul and offered to loan a tracker to Paul for this flight. At the time Paul turned down the offer because he was planning to launch with Montana. Unfortunately Paul can't remember who made the offer. Would that person please call Paul right away to make arrangements for shipping the tracker to him? Paul will pay for shipping. Paul's cell phone number is 208-631-7162. This is greatly appreciated.

The recovery mission and the launch will take place on the same day. Yuk! What a long day. This has to happen because of two things. 1) The ultralight pilots are available on that day and 2) the Perseid meteors won't delay there arrival. This is a tough one to ask everyone to participate in both events. I have decided to go for it.
The ultralight pilots will probably fly from Nampa to Jerome on Friday afternoon. They will camp overnight at the airport and fly the mission in the morning. Anyone care to join them? I'm thinking that I will drive over early Saturday morning. Paul's not sure what he will do yet. I think I will reserve a room at Motel 6 again. After the search and recovery mission I will take an afternoon nap and be rested for the launch. After this launch and recovery I will return to the room and sleep some more then return home.(Hopefully that's two recovery's in one day!) Anybody have any better ideas? We can discuss these details at Monday's meeting. Anybody in Twin Falls have a basement to crash in?
So far Mike Garske, John Knapp, Randy Farley, Ray Silva, Paul Verhage, Ron Bolander and the other pilots, and myself will be at the meeting. Stephanie can't be at the meeting. We will let her know the highlights of the meeting. For Saturday's recovery mission we have Mike Garske, Stephanie, maybe Randy if he doesn't have to work, Paul, myself, and of course the pilots. If Randy can go he has an ATV 4-wheeler available. I have not heard from anyone else yet. Now that the launch is back on how many brave souls can do both on Saturday? How about Twin Falls folks? Can we generate some interest for both of these events?
Stephanie asked if a ground search might be planned prior to the 11th. Paul had some thoughts about going out this weekend. I can't make it. Would anyone else be interested including Twin Falls folks? If it was found prior to the 11th that would make launch day a little easier. If anyone is interested please call Paul at 208-631-7162. He is making maps

of the recovery area. The recovery is around Mosby Butte(pg. 29 of your Idaho Atlas). I don't think anyone should go alone or at least have your radio with you so you can call for help if needed.

Jeff Melanson
KD7INN

547. Re: [tvnsp] Capsule Recovery

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-02 04:21:26 UTC
From: Mike Garske
Topic: 537 Message: 547

Jeff,

I would be happy to fly with the ultralight pilots!!! I have a handheld GPSand H-T to talk to the groud crew too. I will also be available for the night launch. Sign me up!

Mike KC7DPD

----- Original Message -----
From: "Jeff Melanson" <kd7inn@...>
To: <tvnsp@yahoogroups.com>
Sent: Wednesday, August 01, 2001 9:51 PM
Subject: Re: [tvnsp] Capsule Recovery

> Hi Everyone,
>
> There's been some more changes and every effort will be made to keep
> everybody up to date. At this stage of planning changes shouldn't be to
> much of a surprise.
> The Montana group will not be available to launch Paul's camcorder,
> therefore we will go ahead with plans to launch our own capsule on the
> 11th at 10:00 P.M. as originally planned.
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> flight. At the time Paul turned down the offer because he was planning
> to launch with Montana. Unfortunately Paul can't remember who made the
> offer. Would that person please call Paul right away to make
> arrangements for shipping the tracker to him? Paul will pay for
> shipping. Paul's cell phone number is 208-631-7162. This is greatly
> appreciated.
>
> The recovery mission and the launch will take place on the same day.
> Yuk! What a long day. This has to happen because of two things. 1) The
> ultralight pilots are available on that day and 2) the Perseid meteors
> won't delay there arrival. This is a tough one to ask everyone to
> participate in both events. I have decided to go for it.
> The ultralight pilots will probably fly from Nampa to Jerome on Friday
> afternoon. They will camp overnight at the airport and fly the mission
> in the morning. Anyone care to join them? I'm thinking that I will drive
> over early Saturday morning. Paul's not sure what he will do yet. I
> think I will reserve a room at Motel 6 again. After the search and
> recovery mission I will take an afternoon nap and be rested for the
> launch. After this launch and recovery I will return to the room and
> sleep some more then return home.(Hopefully that's two recovery's in one
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> Jeff Melanson
> KD7INN
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548. Re: [tvnsp] Capsule Recovery

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-02 05:20:21 UTC
From: Jeff Melanson
Topic: 537 Message: 548

Hi Mike,

I see I made a misleading statement in my last email. When I asked if anyone would care to join them I meant to camp with them on Friday night. Unfortunately the ultralights all have one seat except for one. The pilot of that one is not yet signed off to carry a passenger. I am told that the pilot has plenty of hours and just needs to do the paperwork to carry a passenger. We can ask at the meeting if there are any others. It would be fun if there is. Most of the pilots have GPS. They have a spare handheld aircraft radio that we will use to communicate with them. Ron has expressed an interest in flying with us on future missions. I'm sure the others will also. I'll bet there will be opportunity to fly with them later on provided the proper paperwork gets done. Ron will be getting his Ham license again and he will also work on the other pilots to do the same. Someday we will be chasing the balloons from the air! That could be an unfair advantage if Paul buy's lunch for the guy who catches the space capsule!
I'm glad to hear you can help with the launch. Minimum launch crew is 5 crew members. We may be tired by the time were done but it will be a night to remember!
It would be neat if someone had a tracker for one of the ultralights for the mission. Once we introduce them to APRS I'll bet they'll get their ticket and equipment. What a great way for there ground crew to track them!

Jeff Melanson
KD7INN

Mike Garske wrote:
>
> Jeff,
>
> I would be happy to fly with the ultralight pilots!!! I have a handheld
> GPSand H-T to talk to the groud crew too. I will also be available for the
> night launch. Sign me up!
>
> Mike KC7DPD
>
> ----- Original Message -----
> From: "Jeff Melanson" <kd7inn@...>
> To: <tvnsp@yahoogroups.com>
> Sent: Wednesday, August 01, 2001 9:51 PM
> Subject: Re: [tvnsp] Capsule Recovery
>
> > Hi Everyone,
> >

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549. Status, 2 Aug

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-02 20:27:14 UTC
From: Paul Verhage
Topic: 549 Message: 549

I'm interested in doing a ground search this weekend, if anyone else can go along.

On August 11 the Discovery Center would like a display on the balloon project. If a crewmember is not going to Twin that day, they could also give a presentation. Is anyone interested? If not, I'll set up something on Thursday or Friday morning.

If Zack can send a tracker, it will just be a programmed TNC. We'll still need a GPS and HT to attach to it. Does someone have an ETREX with comm cable?

Call if you think you can help out

631-7162

Paul

550. New Email Address

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-02 22:27:44 UTC
From: pverhage@sd131.k12.id.us
Topic: 550 Message: 550

I'm updating my email lists. The new address for me is
paul.verhage@...

Paul

551. Re: [tvnsp] Capsule Recovery

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-03 03:45:08 UTC
From: Jeff Melanson
Topic: 537 Message: 551

Stephanie and Randy,

I have ordered components to to make my own stand alone tracker. I ordered an eTrex GPS, a KPC-3 Plus, and an Alinco DJ-S11T. The stuff should arrive Monday and Tuesday. I am building the wiring harness this weekend. I plan to use this on future near space flights. If Paul needs it he might send it up on his balloon on the 11th. We might put it on one of the ultralights during the recovery mission. What I want to know is what should all the settings be for the KCP-3 Plus?

Jeff Melanson
KD7INN

552. Predicted Landing Sites

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-03 05:28:22 UTC
From: K7JPS - John
Topic: 552 Message: 552

Based on the data from the NWS which launched their balloon about 20 minutes before ours, TV01E should have landed at N 43.0601 W 113.1673. However the last known location of the balloon was 4.62 miles at 89 deg. of the predicted location for the same altitude. If there were no other variations in the winds for the rest of the flight, that would put the landing site at N 43.0603 W 113.0745. This is in the Mosby Butte area of BLM Lands, 14 miles NW of Aberdeen, ID.

I will be at the Monday meeting in Meridian. If TV01F is a go I will come for that, but probably wont try to make the recovery efforts earlier in the day.

John Stone
K7JPS

553. Re: [tvnsp] Predicted Landing Sites

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-03 14:19:11 UTC
From: John Knapp
Topic: 552 Message: 553

Thanks John. I will make the recovery attempt On Aug.
11.

John Knapp KD7HGS
--- K7JPS - John <k7jps@...> wrote:
> Based on the data from the NWS which launched their
> balloon about 20 minutes
> before ours, TV01E should have landed at N 43.0601 W
> 113.1673. However the
> last known location of the balloon was 4.62 miles at
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> TV01F is a go I will come
> for that, but probably wont try to make the recovery
> efforts earlier in the
> day.
>
> John Stone
> K7JPS
>
>

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554. Status, 3 Aug

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-03 20:20:30 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 554 Message: 554

Jeff and I will begin work on the tracker capsule tonight. If you're interested in helping out, please give me a phone call. We want to get this capsule up and running in time for the August 11 flight.

On Sunday we will drive out to the predicted landing site and do a ground search. We could use more eyes. If you're interested in taking part of this adventure, please call me.

I'll set up a display at the Discovery Center next week, proably Friday.

Paul

555. Re: [tvnsp] Status, 3 Aug

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-03 19:53:36 UTC
From: Jeff Melanson
Topic: 554 Message: 555

Paul's phone number is 631-7162.

verhap@... wrote:
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> I'll set up a display at the Discovery Center next week, proably
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> Paul
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556. Re: [tvnsp] Capsule Recovery

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-03 20:00:38 UTC
From: Jeff Melanson
Topic: 537 Message: 556

Hi Stephanie,

Paul and I are going out on Sunday early (Aug 5th) to do a ground search. I had my brakes fixed so I'm ready to go. If anyone else can go please let us know. It would be nice to have two 4 wheel drive trucks just in case.

Jeff Melanson
KD7INN

Stephanie Steele wrote:
>
> I am working Monday so can not make the meeting. I would appreciate a posting to
> the list of the salient points from the meeting. I would be happy to help with the
> recovery mission. Has there been any consideration to a ground search prior to the
> 11th with the latest landing projections? Please keep the list posted as to time
> and date.
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> Stephanie
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> Jeff Melanson wrote:
>
> > Hi All,
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> > I just got off the phone with Paul and he wanted me to bring everyone
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>
> --
> Stephanie
>
> ******************************
>
> Send and receive money safely over the Internet by using PayPal. I use it and
> highly recommend it as a safe and reliable means to conduct business. By using the
> link below we both will receive a $5 sign up bonus.
>
> https://www.paypal.com/refer/pal=kc7dba%40arrl.net
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557. Recovery?

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-04 02:15:22 UTC
From: Stephanie Steele
Topic: 557 Message: 557

Any decision if anyone is going east this weekend to look for the balloon?

--
Stephanie

****

Send and receive money safely over the Internet by using PayPal. I use it and highly recommend it as a safe and reliable means to conduct business. By using the link below we both will receive a $5 sign up bonus.

https://www.paypal.com/refer/pal=kc7dba%40arrl.net

558. Re: [tvnsp] Capsule Recovery

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-04 04:59:32 UTC
From: Randy Farley
Topic: 537 Message: 558

Jeff
If you are going to use the tracker for normal land use,just follow the settings recommended by the nwaprs.org site.

I'm not sure what the "best" setting for a balloon would be as far as the un-proto path goes. I'm thinking WIDE,WIDE or WIDE2-2 would be plenty. Hopefully others with more "air time" experience will pipe in. You would obviously use Pauls settings he had in his last tnc along with a change in the un-proto path. We dont want it ping ponging too much or it will cause havoc with far away digi networks with transmissions every 10 seconds.
The last tnc never had a proto path set,so it did not utilize any of the digipeaters in the area to get out and "touch someone" while it was at low altitudes on ascent or descent. You could only pick up the balloon direct. We can discuss this further at the meeting.

Jeff Melanson wrote:
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> Stephanie and Randy,
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> ordered an eTrex GPS, a KPC-3 Plus, and an Alinco DJ-S11T. The stuff
> should arrive Monday and Tuesday. I am building the wiring harness this
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> it he might send it up on his balloon on the 11th. We might put it on
> one of the ultralights during the recovery mission. What I want to know
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>
> Jeff Melanson
> KD7INN
>
>
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> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

--
Regards,
Randy Farley
N7GPS -Ham Call-
My Home at: http://map.findu.com/n7gps
Find my pickup at: http://map.findu.com/n7gps-9
Also see daily weather radar reports for my positions at:

(scroll to bottom of page)
http://www.findu.com/cgi-bin/find.cgi?call=n7gps&radar=CBX

559. Re: [tvnsp] Status, 2 Aug

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-04 05:02:53 UTC
From: Randy Farley
Topic: 549 Message: 559

Paul
I could do DCI if no one volunteers,unless you would rather have me at
TWIN. Your the boss,so i will let you make the call after you get more
info. from others.

Paul Verhage wrote:
>
> I'm interested in doing a ground search this weekend, if anyone else can go
> along.
>
> On August 11 the Discovery Center would like a display on the balloon
> project. If a crewmember is not going to Twin that day, they could also
> give a presentation. Is anyone interested? If not, I'll set up something
> on Thursday or Friday morning.
>
> If Zack can send a tracker, it will just be a programmed TNC. We'll still
> need a GPS and HT to attach to it. Does someone have an ETREX with comm
> cable?
>
> Call if you think you can help out
>
> 631-7162
>
> Paul
>
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560. Re: [tvnsp] Capsule Recovery

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-04 06:46:01 UTC
From: Tim Rynearson
Topic: 537 Message: 560

Jeff,
My experience with trackers in the Women's Challenge cycle race and a recent hot-air balloon flight suggests that an unproto path of WIDE2-2 or maybe WIDE3-3 should work just dandy for getting into the digipeaters and ultimately an I-Gate where anyone can look it up on map.findu.com if they know what the callsign of the tracker is.

Tim, N7UBO

-------Original Message-------

From:Randy Farley
Date: Friday, August 03, 2001 10:55:05 PM
To:tvnsp@yahoogroups.com
Subject: Re: [tvnsp] Capsule Recovery

Jeff
If you are going to use the tracker for normal land use,just follow the settings recommended by the nwaprs.org site.

I'm not sure what the "best" setting for a balloon would be as far as the un-proto path goes. I'm thinking WIDE,WIDE or WIDE2-2 would be plenty. Hopefully others with more "air time" experience will pipe in. You would obviously use Pauls settings he had in his last tnc along with a change in the un-proto path. We dont want it ping ponging too much or it will cause havoc with far away digi networks with transmissions every 10 seconds.
The last tnc never had a proto path set,so it did not utilize any of the digipeaters in the area to get out and "touch someone" while it was at low altitudes on ascent or descent. You could only pick up the balloon direct. We can discuss this further at the meeting.

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> it he might send it up on his balloon on the 11th. We might put it on
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--
Regards,
Randy Farley
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My Home at: http://map.findu.com/n7gps
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561. Re: [tvnsp] Capsule Recovery

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-04 13:18:02 UTC
From: Doug Rich
Topic: 537 Message: 561

All of the digi's in this area use the widen-n protocol. Because many
would like to watch, why not use a wide6-6?
Also, the ltp Location Text Path should also be set to wide6-6.

Doug

I would help more but Aug 11 is my High School class reunion and my wedding
anniversary.

At 10:59 PM 8/3/01 -0600, you wrote:
>Jeff
>If you are going to use the tracker for normal land use,just follow the
>settings recommended by the nwaprs.org site.
>
>I'm not sure what the "best" setting for a balloon would be as far as
>the un-proto path goes. I'm thinking WIDE,WIDE or WIDE2-2 would be
>plenty. Hopefully others with more "air time" experience will pipe in.
>You would obviously use Pauls settings he had in his last tnc along with
>a change in the un-proto path. We dont want it ping ponging too much or
>it will cause havoc with far away digi networks with transmissions every
>10 seconds.
>The last tnc never had a proto path set,so it did not utilize any of the
>digipeaters in the area to get out and "touch someone" while it was at
>low altitudes on ascent or descent. You could only pick up the balloon
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>My Home at: http://map.findu.com/n7gps
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562. Really Paul/Re: [tvnsp] Status, 2 Aug

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-04 20:46:04 UTC
From: Jeff Melanson
Topic: 562 Message: 562

This is from Paul

Randy, I'd rather you were in Twin with us. I want to ensure we have
enough trackers so we can't lose the capsule.

Paul

Randy Farley wrote:
>
> Paul
> I could do DCI if no one volunteers,unless you would rather have me at
> TWIN. Your the boss,so i will let you make the call after you get more
> info. from others.
>
> Paul Verhage wrote:
> >
> > I'm interested in doing a ground search this weekend, if anyone else can go
> > along.
> >
> > On August 11 the Discovery Center would like a display on the balloon
> > project. If a crewmember is not going to Twin that day, they could also
> > give a presentation. Is anyone interested? If not, I'll set up something
> > on Thursday or Friday morning.
> >
> > If Zack can send a tracker, it will just be a programmed TNC. We'll still
> > need a GPS and HT to attach to it. Does someone have an ETREX with comm
> > cable?
> >
> > Call if you think you can help out
> >
> > 631-7162
> >
> > Paul
> >
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> >
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> Regards,
> Randy Farley
> N7GPS -Ham Call-

> My Home at: http://map.findu.com/n7gps
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563. Re: Really Paul/Re: [tvnsp] Status, 2 Aug

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-04 20:55:31 UTC
From: Stephanie Steele
Topic: 562 Message: 563

Hi Paul & Jeff,

Just to let you know that I intend to be in Twin on the 11th. I can't commit yet for the area search but I will commit to the pm launch and chase. I will try and be there for the search and will let you know if I can. I will not be able to go with you tomorrow as I have a client's needs to take care of tomorrow (last minute thing). I wish you both luck and hope that you disappoint the ultralight pilots ;-)

Stephanie

Jeff Melanson wrote:

> This is from Paul
>
> Randy, I'd rather you were in Twin with us. I want to ensure we have
> enough trackers so we can't lose the capsule.
>
> Paul
>
> Randy Farley wrote:
> >
> > Paul
> > I could do DCI if no one volunteers,unless you would rather have me at
> > TWIN. Your the boss,so i will let you make the call after you get more
> > info. from others.
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> > Paul Verhage wrote:
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> > > I'm interested in doing a ground search this weekend, if anyone else can go
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> > > project. If a crewmember is not going to Twin that day, they could also
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564. Re: Really Paul/Re: [tvnsp] Status, 2 Aug

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-05 06:55:06 UTC
From: Jeff Melanson
Topic: 562 Message: 564

Hi Stephanie,

I hope we disappoint the pilots also. We have been working on the
capsules for the last two days. We are almost ready and on schedule.

Jeff Melanson
KD7INN

Stephanie Steele wrote:
>
> Hi Paul & Jeff,
>
> Just to let you know that I intend to be in Twin on the 11th. I can't commit yet
> for the area search but I will commit to the pm launch and chase. I will try and be
> there for the search and will let you know if I can. I will not be able to go with
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565. Ground Search

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-06 05:22:42 UTC
From: Jeff Melanson
Topic: 565 Message: 565

Hi All,

Paul and I have returned from the ground search but we did not find the capsule. The terrain is open and we found good viewing areas to search from with binoculars. We could see a long way but I'm sure the capsules we just over the next hill. There are scattered white rocks in the area that really stand out. Some of these are about the same size as the capsules. Since the capsules are white I believe they will stand out also. Let's see what the ultralight pilots can do. Don't forget the meeting at Idaho Pizza in Meridian at 7:00 PM Monday. See you there!

Jeff Melanson
KD7INN

566. Motel 6

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-07 04:48:22 UTC
From: Jeff Melanson
Topic: 566 Message: 566

For those of you staying at Motel 6 in Twin Falls the online reservations are not working. It incorrectly reports that no rooms are available. Call them directly at 208-734-3993.

Jeff Melanson
KD7INN

567. Predictions for TV01F

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-07 05:08:46 UTC
From: K7JPS - John
Topic: 567 Message: 567

Here is an early prediction for TV01F. TV01F is the night flight from Twin Falls on August 11 at 22:00 MDT (08/12/01 04:00 UTC)

Launch location: Expo Center - College of Southern Idaho, Twin Falls, ID.

Lat. 42.5830 deg
Long. -114.4678 deg
Altitude 3700'

Ascent Rate: 800 fpm
Descent Rate: 1200 fpm

Predicted Landing Site, data from BOI 8/7/01 00:00 UTC.

Lat. 43.1446 deg
Long. -114.4862 deg
Bearing 358.6 deg True
Range 38.8 mi.
Duration 159 min

This is approximately at the cross of Thorn Creek Reservoir Rd. and Preacher Creek Rd. in northwestern Lincoln County. This is 7.3 miles bearing 257 deg. from Shoshone Ice Caves.

I have not been able to view the MRFs so I'm not sure what the winds will be doing the end of the week.

John "I'm not climbing Davis mountain at night" Stone
K7JPS

568. Twin Falls Weekend Rundown

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-07 15:36:11 UTC
From: Mike Garske
Topic: 568 Message: 568

Everyone,

Here is the details from last nights meeting about the Search & Recovery of the TV01E capsule, and the night launch of TV01F.

1. We have 2, possibly 3 ultralight planes to help with the search for the capsule. We will be meeting them at the Aberdeen International Airport north of American Falls at 7am Saturday morning. From there we will provide support and chase them on the ground as they search for the capsule. We will provide the fuel for there aircraft--they mentioned they use Chevron premium for gas. They have only a possible 4 hour flight window before the heat of the day forces them to land for the day, this means that we need to be at Aberdeen airport waiting for them. For people with Air band capabilities on their amateur gear, the pilots will be on 122.775 MHz with Aberdeen airport on 122.900. We will have an HT capable of talking with them that they will provide to us for the search.

2. For the ground teams helping with the search, be sure to bring the proper supplies for the area. This includes: Water, munchies, sunscreen, sturdy hiking boots, hat, batteries for HT's and GPS gear. Binoculars would probably be a good addition too. Maps of the area are recommended also.The search area will include Blaine, Power, and Bingham Counties. Be ready for a hot day hiking in the desert, with one eye searching for the capsule, and the other watching for snakes. Lets be safe!

3. The current roster for the weekend includes the following people: Paul KD4STH Cell Phone # 631-7162
Jeff KD7INN
Randy N7GPS
Mike KC7DPD
John Knapp KD7HGS
John Stone K7JPS
Stephanie KC7DBA
Norma KC7DAZ

The repeater we will use for the recovery and night mission will be 147.000, NEGATIVE OFFSET, 100Hz tone. We will also be on simplex, 146.520 for the fringe areas and holes.

I don't recall exactly who is getting to Twin Falls on Friday night, but several people will stay at the Motel 6 in Twin, and Paul will be at the KOA nearby. The important thing is that we show up at Aberdeen at 7am Saturday.

4. The Launch of TV01F - The launch is at the Expo Center in Twin Falls Saturday night at 10pm, with launch preparations starting at 8pm (if this is wrong, please send a correction notice!). The launch point coordinates are: 42.58303 Latitude, -114.4678 Longitude, Altitude 3700'. There will be two separate APRS beacons on the launch vehicle, call signs KD4STH-11, and KD7INN-11 will be used with the WIDE 3-3 format. We should be on the website www.findu.com or www.aprs.net under those calls.
We will be filling the balloon in the Expo Building itself. On the flight we hope to capture pictures or video of the Perseid meteor shower! There will also be 2 strobe lights

on the launch vehicle for the visual tracking of the balloon. We also will have the new T-shirts for the group on board so they can take the ride up to 100,000+ feet! The balloon will go up and be at the maximum flight altitude by midnight, with a landing of around 1:30am. Hopefully there will be a recovery that night, but if the capsule lands in the lava fields, we will wait until morning to recover it.

SPECIAL NOTE FOR MARK CONNER - Please send this information out to all the other balloon groups "out there", so they can monitor the flight as well. Thanks!

5. Start running predictions for the winds aloft this week and post them to the list! Again, the launch point is: 42.58303 Latitude, -114.4678 Longitude, Altitude 3700'

If there is anything I may have missed with the this information ridden email, please correct it ASAP!

Thanks and see ya out there!!

Mike Garske KC7DPD

569. Fw: ARLS014 New Amateur Satellite to Link Remote APRS Nodes

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-07 19:49:40 UTC
From: Mike Garske
Topic: 569 Message: 569

Check this out, this will help us out alot on our launches!

Mike KC7DPD

> SB SPACE @ ARL $ARLS014
> ARLS014 New Amateur Satellite to Link Remote APRS Nodes
>
> ZCZC AS14
> QST de W1AW
> Space Bulletin 014 ARLS014
> From ARRL Headquarters
> Newington, CT August 7, 2001
> To all radio amateurs
>
> SB SPACE ARL ARLS014
> ARLS014 New Amateur Satellite to Link Remote APRS Nodes
>
> PCSat, a US Naval Academy Amateur Radio tracking and communications
> satellite, is scheduled to launch September 1 (0100z) from Alaska.
> PCSat will augment the existing Amateur Radio Automatic Position
> Reporting System (APRS) by providing links to the 90 percent of
> Earth's surface not covered by the terrestrial network.
>
> PCSat was designed and assembled by midshipmen at the Naval Academy
> in Annapolis, Maryland, to gain practical hands-on experience in
> support of their aerospace curriculum. The students worked under the
> guidance of Academy Senior Project Engineer Bob Bruninga,
> WB4APR--the ''father of APRS.''
>
> ''We hope that PCSat will be a new direction for amateur satellites
> by serving the communications needs of travelers with only mobile
> and hand-held radios anywhere on Earth,'' Bruninga said. PCSat will
> be the first satellite to report its exact position directly to
> users via its onboard GPS.
>
> Bruninga said the satellite will demonstrate vehicle tracking and
> communication for GPS-equipped remote travelers--including Naval
> Academy vessels at sea, cross-country travelers, expeditions or
> anyone far from the existing APRS terrestrial tracking
> infrastructure.
>
> In addition to its APRS capabilities, the satellite will offer 1200
> and 9600-baud packet operation on VHF (145.825 MHz) and UHF (435.250
> MHz). For APRS digipeating, the satellite will use the recognized
> North American APRS frequency of 144.39 MHz.

>
> Bruninga said that PCSat should make a great classroom tool, since
> its telemetry can be received by any hand-held packet radio for
> display to students on their PCs.
>
> PCSat will be one of four satellites in the Kodiak Star payload. The
> others are Sapphire, Starshine III and PicoSat. An Athena I launch
> vehicle will carry the satellites into space from the Alaska
> Aerospace Development Corporation's Kodiak Launch Complex. This will
> mark the first attempt to put a satellite into Earth orbit from
> Kodiak Island. The spacecraft will be launched into an 800-km
> circular orbit.
>
> For more information, visit the PCSat Web site,
> http://web.usna.navy.mil/~bruninga/pcsat.html .
> NNNN
> /EX
>
>

570. Re: [tvnsp] Predictions for TV01F

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-08 01:45:39 UTC
From: Randy Farley
Topic: 567 Message: 570

John

I just ran the prediction and got a landing SE of Dietrich,ID
Lat. 42.87548
lon. -114.19941
bearing 34 deg.
What did i do wrong?
Havent run program for awhile. Can you confirm prediction again.
Data was BOI @ 1200z

K7JPS - John wrote:
>
> Here is an early prediction for TV01F. TV01F is the night flight from Twin
> Falls on August 11 at 22:00 MDT (08/12/01 04:00 UTC)
>
> Launch location: Expo Center - College of Southern Idaho, Twin Falls, ID.
>
> Lat. 42.5830 deg
> Long. -114.4678 deg
> Altitude 3700'
>
> Ascent Rate: 800 fpm
> Descent Rate: 1200 fpm
>
> Predicted Landing Site, data from BOI 8/7/01 00:00 UTC.
>
> Lat. 43.1446 deg
> Long. -114.4862 deg
> Bearing 358.6 deg True
> Range 38.8 mi.
> Duration 159 min
>
> This is approximately at the cross of Thorn Creek Reservoir Rd. and Preacher
> Creek Rd. in northwestern Lincoln County. This is 7.3 miles bearing 257
> deg. from Shoshone Ice Caves.
>
> I have not been able to view the MRFs so I'm not sure what the winds will be
> doing the end of the week.
>
> John "I'm not climbing Davis mountain at night" Stone
> K7JPS
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com

>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

--
Regards,
Randy Farley
N7GPS -Ham Call-
My Home at: http://map.findu.com/n7gps
Find my pickup at: http://map.findu.com/n7gps-9
Also see daily weather radar reports for my positions at:
(scroll to bottom of page)
http://www.findu.com/cgi-bin/find.cgi?call=n7gps&radar=CBX

571. RE: [tvnsp] Predictions for TV01F

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-08 04:22:55 UTC
From: K7JPS - John
Topic: 567 Message: 571

Paul just stopped by and picked up the empty helium tanks from the last flight. He will get full tanks tomorrow and drop them off for me to transport. He said that Zack's tracker arrived with all of the parts so he will install it in a capsule and test it out. The T-shirts will be available on Thursday.

I finally got a look at the MRFs. Right now we are influenced by a high pressure system to our south east so the winds are not very strong. Looking at Saturday, there will be a ridge moving though the area late in the day, so the winds will be more from the west and picking up speed.

Here is today's prediction for TV01F.

Launch location: CSI- Twin Falls, ID.
Lat. 42.5830 deg
Long. -114.4678 deg
Altitude 3700'
Ascent Rate: 800 fpm
Descent Rate: 1200 fpm

Predicted Landing Site, data from BOI 8/8/01 00:00 UTC

Lat. 42.7714 deg
Long. -114.2818 deg
Bearing 35.9 deg True
Range 16.1 mi.
Duration 159 min

This would put us along the Milner-Gooding Canal in Northern Jerome County.

John "don't get my hopes up" Stone
K7JPS

572. RE: [tvnsp] Predictions for TV01F

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-08 04:40:04 UTC
From: K7JPS - John
Topic: 567 Message: 572

What do you have for a landing elevation? This is close to what I had for 08/08 0z data. One of the tricks is to run a prediction and then adjust the landing elevation and run a second prediction.

John Stone
K7JPS
-----Original Message-----
From: Randy Farley [mailto:rdfarley@...]
Sent: Tuesday, August 07, 2001 19:46
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] Predictions for TV01F

John

I just ran the prediction and got a landing SE of Dietrich,ID
Lat. 42.87548
lon. -114.19941
bearing 34 deg.
What did i do wrong?
Havent run program for awhile. Can you confirm prediction again.
Data was BOI @ 1200z

573. Status, 8 Aug

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-08 20:44:47 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 573 Message: 573

I have the two helium bottles. Each was tested and does have helium.

I filed the NOTAMS this morning. I also contacted Rick nat the planetarium, they're still expecting us.

We'll meet for dinner on Saturday, at 5:00 PM, at the Mongolian House. It's located on Blue Lakes, in the Fred Meyer's parking lot. After dinner I'll head to the planetarium. The Expo Center will be opened at 8:00 PM.

The KOA has kabins available for $33. They're located between I-84 and Twin, on exit 173.

Paul

574. 8/9 0z Predictions for TV01F

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-09 05:08:05 UTC
From: K7JPS - John
Topic: 574 Message: 574

Paul just dropped off the helium this evening. He is planning a dry run of the capsules with Jeff Thursday evening.

Using the same launch data the predicted landing with the 08/09/01 00:00 UTC winds, the landing is at N 42.5709 W 113.8601 this is 91.4 deg at 30.9 miles about 3.5 miles west of exit 208 on I-84.

Is anybody else running predictions? I would be interested in any variations.

John Stone
K7JPS

575. Re: [tvnsp] Predictions for TV01F

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-09 15:26:11 UTC
From: Stephanie Steele
Topic: 567 Message: 575

Is anyone going on the search Saturday morning need a rider? If I can be of some use I can be in Twin for the search, if not I will just be there for the launch. Thanks.

--
Stephanie

****

Send and receive money safely over the Internet by using PayPal. I use it and highly recommend it as a safe and reliable means to conduct business. By using the link below we both will receive a $5 sign up bonus.

https://www.paypal.com/refer/pal=kc7dba%40arrl.net

576. Re: [tvnsp] 8/9 0z Predictions for TV01F

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-09 17:28:18 UTC
From: John Knapp
Topic: 574 Message: 576

John, I ran the prediction this morning and got the
following:

Landing Site:
42.6048 lat, -114.0278 long
Flight Time 163 minutes
Bearing: 86.0 True
Range: 22.4 Miles.

My landing altitude was 1 feet so I know I may be a
little off.

The MRF doesn't show a lot of change in the winds in
the next 48 hours.

JohnK
KD7HGS

--- K7JPS - John <k7jps@...> wrote:
> Paul just dropped off the helium this evening. He
> is planning a dry run of
> the capsules with Jeff Thursday evening.
>
> Using the same launch data the predicted landing
> with the 08/09/01 00:00 UTC
> winds, the landing is at N 42.5709 W 113.8601 this
> is 91.4 deg at 30.9 miles
> about 3.5 miles west of exit 208 on I-84.
>
> Is anybody else running predictions? I would be
> interested in any
> variations.
>
> John Stone
> K7JPS
>
>

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577. Re: [tvnsp] Predictions for TV01F

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-09 22:46:23 UTC
From: Stephanie Steele
Topic: 567 Message: 577

Doesn't appear that anyone needs me as a rider so please count Norma and I out for this weekend. The trip is pretty expensive to make just as an extra. I will monitor from home and help as I can from there if needed. Good luck and have fun.

--
Stephanie

****

Send and receive money safely over the Internet by using PayPal. I use it and highly recommend it as a safe and reliable means to conduct business. By using the link below we both will receive a $5 sign up bonus.

https://www.paypal.com/refer/pal=kc7dba%40arrl.net

578. Re: [tvnsp] 8/9 0z Predictions for TV01F

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-09 23:53:37 UTC
From: Randy Farley
Topic: 574 Message: 578

Just ran a prediction this evening:
Lat. 42.61692
lon. -113.83828
Bearing 86 deg.
Range 32 mi.

Landings appear to favor North and North West targets near Paul,ID for
the last two days if my predictions are correct.I like the idea of roads
in the area so far. Havent got my lava bed hiking shoes ordered yet <;)

K7JPS - John wrote:
>
> Paul just dropped off the helium this evening. He is planning a dry run of
> the capsules with Jeff Thursday evening.
>
> Using the same launch data the predicted landing with the 08/09/01 00:00 UTC
> winds, the landing is at N 42.5709 W 113.8601 this is 91.4 deg at 30.9 miles
> about 3.5 miles west of exit 208 on I-84.
>
> Is anybody else running predictions? I would be interested in any
> variations.
>
> John Stone
> K7JPS
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

--
Regards,
Randy Farley
N7GPS -Ham Call-
My Home at: http://map.findu.com/n7gps
Find my pickup at: http://map.findu.com/n7gps-9
Also see daily weather radar reports for my positions at:
(scroll to bottom of page)
http://www.findu.com/cgi-bin/find.cgi?call=n7gps&radar=CBX

579. Re: [tvnsp] Predictions for TV01F

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-10 02:41:48 UTC
From: Jeff Melanson
Topic: 567 Message: 579

Stephanie and Norma,

We are good to go on the morning search but we can use more help for
the launch, tracking, and recovery. I hope you can make it.

Jeff Melanson
KD7INN

Stephanie Steele wrote:
>
> Is anyone going on the search Saturday morning need a rider? If I can be
> of some use I can be in Twin for the search, if not I will just be there
> for the launch. Thanks.
>
> --
> Stephanie
>
> ********************************
>
> Send and receive money safely over the Internet by using PayPal. I use
> it and highly recommend it as a safe and reliable means to conduct
> business. By using the link below we both will receive a $5 sign up
> bonus.
>
> https://www.paypal.com/refer/pal=kc7dba%40arrl.net
>
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580. 8/10 0z Predictions

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-10 05:13:49 UTC
From: K7JPS - John
Topic: 580 Message: 580

John Knapp's and my predictions from this mornings winds are within a few thousandths of a degree and about 1/10th of a mile. Randy, can you share some more specifics because my range was 10 miles shorter then yours?

My prediction for this evening shows that the dominant winds are now out of the WNW. Lat 42.5056, long -113.9424, bearing 101.1 deg, range 27.3. This is SW of Burley which is a change from the last 36 hours when it was NW of Paul. The biggest challenge for recovering in this area would be to make sure we are on the right side of the Snake River.

John Stone
K7JPS

581. 8/10 1200z Predictions

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-10 15:08:24 UTC
From: John Knapp
Topic: 580 Message: 581

This morning's prediciton gave me a landing site of:
42.4809 lat -113.9902 long
Flight time of 157 minutes
Bearing: 106 degrees True
Range: 25 miles.

I don't have map with me at work but I believe that is
south of the river and will land about half way
between Twin Falls and Burly.

I couldn't get to the MRF page so don't know if the
prediction for tomorrow has changed or not.

John Stone - what did you come up with?

See everyone tomorrow morning.

JohnK - KD7HGS

_____
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582. Friday Leave Times?

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-10 15:33:28 UTC
From: Mike Garske
Topic: 582 Message: 582

Everyone that is going over on Friday, what time is the convoy heading east?
I plan on waking up around 1:30 to pack, and do some last minute errands,
then heading over about 5pm......any one else going at that time?

Mike KC7DPD
----- Original Message -----
From: "John Knapp" <kd7hgs@...>
To: <tvnsp@yahoogroups.com>
Sent: Friday, August 10, 2001 9:08 AM
Subject: [tvnsp] 8/10 1200z Predictions

> This morning's prediciton gave me a landing site of:
> 42.4809 lat -113.9902 long
> Flight time of 157 minutes
> Bearing: 106 degrees True
> Range: 25 miles.
>
> I don't have map with me at work but I believe that is
> south of the river and will land about half way
> between Twin Falls and Burly.
>
> I couldn't get to the MRF page so don't know if the
> prediction for tomorrow has changed or not.
>
>
> John Stone - what did you come up with?
>
> See everyone tomorrow morning.
>
> JohnK - KD7HGS
>
>
> _____
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>
>

583. Re: [tvnsp] Friday Leave Times?

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-10 16:50:57 UTC
From: randy farley
Topic: 582 Message: 583

I don't get off till 2:30 today.
If my packing goes as planned, i hope to get on the road by
5:30 or 6:00 PM.

BTW, was 10 gal of premium fuel enough for the ultralights?
My notes say so,but just want to make sure. Had not heard if
a 3rd pilot was coming for sure. Hope fuel in Twin is
reasonable. Dont want to carry too much from my starting
point in Fruitland.

On Fri, 10 Aug 2001 09:33:28 -0600
"Mike Garske" <kc7dpd@...> wrote:
> Everyone that is going over on Friday, what time is the
> convoy heading east?
> I plan on waking up around 1:30 to pack, and do some last
> minute errands,
> then heading over about 5pm......any one else going at
> that time?
>
> Mike KC7DPD
> ----- Original Message -----
> From: "John Knapp" <kd7hgs@...>
> To: <tvnsp@yahoogroups.com>
> Sent: Friday, August 10, 2001 9:08 AM
> Subject: [tvnsp] 8/10 1200z Predictions
>
>
> > This morning's prediciton gave me a landing site of:
> > 42.4809 lat -113.9902 long
> > Flight time of 157 minutes
> > Bearing: 106 degrees True
> > Range: 25 miles.
> >
> > I don't have map with me at work but I believe that is
> > south of the river and will land about half way
> > between Twin Falls and Burly.
> >
> > I couldn't get to the MRF page so don't know if the
> > prediction for tomorrow has changed or not.
> >
> >
> > John Stone - what did you come up with?
> >
> > See everyone tomorrow morning.
> >

> > JohnK - KD7HGS
> >
> >
> > _____
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>

regards,

Randy

584. Re: [tvnsp] Friday Leave Times?

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-10 19:01:58 UTC
From: John Knapp
Topic: 582 Message: 584

Not sure when we will be leaving. Probably around 6:00
or so. Will not stop at Twin Falls but continue to
Burley. I will stay on the 24 repeated as long as I
can, then switch to the 147.00 repeater. Will try to
contact some of you when I leave.

I will also try to monitor the aircraft once we get
headed out. When were they leaving?

Randy, we can fuel the gas cans in Burley at the
Chevron station there. It is next to the freeway and
on our way out. And it is usually cheaper than the
Boise area.

JohnK
KD7HGS
--- randy farley <rdfarley@...> wrote:
>
> I don't get off till 2:30 today.
> If my packing goes as planned, i hope to get on the
> road by
> 5:30 or 6:00 PM.
>
> BTW, was 10 gal of premium fuel enough for the
> ultralights?
> My notes say so,but just want to make sure. Had not
> heard if
> a 3rd pilot was coming for sure. Hope fuel in Twin
> is
> reasonable. Dont want to carry too much from my
> starting
> point in Fruitland.
>
> On Fri, 10 Aug 2001 09:33:28 -0600
> "Mike Garske" <kc7dpd@...> wrote:
> > Everyone that is going over on Friday, what time
> is the
> > convoy heading east?
> > I plan on waking up around 1:30 to pack, and do
> some last
> > minute errands,
> > then heading over about 5pm......any one else
> going at
> > that time?
> >
> > Mike KC7DPD

> > ----- Original Message -----
> > From: "John Knapp" <kd7hgs@...>
> > To: <tvnsp@yahoogroups.com>
> > Sent: Friday, August 10, 2001 9:08 AM
> > Subject: [tvnsp] 8/10 1200z Predictions
> >
> >
> > > This morning's prediciton gave me a landing site
> of:
> > > 42.4809 lat -113.9902 long
> > > Flight time of 157 minutes
> > > Bearing: 106 degrees True
> > > Range: 25 miles.
> > >
> > > I don't have map with me at work but I believe
> that is
> > > south of the river and will land about half way
> > > between Twin Falls and Burly.
> > >
> > > I couldn't get to the MRF page so don't know if
> the
> > > prediction for tomorrow has changed or not.
> > >
> > >
> > > John Stone - what did you come up with?
> > >
> > > See everyone tomorrow morning.
> > >
> > > JohnK - KD7HGS
> > >
> > >
> > >
> > _____
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> >
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> >
>
> regards,
>
> Randy
>

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585. Ultralights cancelled!

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-10 19:11:31 UTC
From: Jeff Melanson
Topic: 585 Message: 585

Hi all,

I just received this information. The bad news is that the pilots do not feel comfortable with the weather conditions and the long flight to Aberdeen. Afternoon thunderstorms are predicted for the whole area and the higher temperatures degrade ultralight performance. As we all agree safety must come first.
We must get the word out to anyone who was planning to drive out tonight. I do not have everyone's phone number. Please help get the word out and post that information here so that we know who gets the message. I believe Mike Garske has the list of people planning to go on the recovery mission. Can you post those names?
The night launch is still a go. The weather that affects the ultralights does not affect us.

Jeff Melanson
KD7INN

randy farley wrote:
>
> I don't get off till 2:30 today.
> If my packing goes as planned, i hope to get on the road by
> 5:30 or 6:00 PM.
>
> BTW, was 10 gal of premium fuel enough for the ultralights?
> My notes say so,but just want to make sure. Had not heard if
> a 3rd pilot was coming for sure. Hope fuel in Twin is
> reasonable. Dont want to carry too much from my starting
> point in Fruitland.
>
> On Fri, 10 Aug 2001 09:33:28 -0600
> "Mike Garske" <kc7dpd@...> wrote:
> > Everyone that is going over on Friday, what time is the
> > convoy heading east?
> > I plan on waking up around 1:30 to pack, and do some last
> > minute errands,
> > then heading over about 5pm......any one else going at
> > that time?
> >
> > Mike KC7DPD
> > ----- Original Message -----
> > From: "John Knapp" <kd7hgs@...>
> > To: <tvnsp@yahoogroups.com>
> > Sent: Friday, August 10, 2001 9:08 AM
> > Subject: [tvnsp] 8/10 1200z Predictions
> >

> >
> > > This morning's prediciton gave me a landing site of:
> > > 42.4809 lat -113.9902 long
> > > Flight time of 157 minutes
> > > Bearing: 106 degrees True
> > > Range: 25 miles.
> > >
> > > I don't have map with me at work but I believe that is
> > > south of the river and will land about half way
> > > between Twin Falls and Burly.
> > >
> > > I couldn't get to the MRF page so don't know if the
> > > prediction for tomorrow has changed or not.
> > >
> > >
> > > John Stone - what did you come up with?
> > >
> > > See everyone tomorrow morning.
> > >
> > > JohnK - KD7HGS
> > >
> > >
> > > _____
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> >
>
> regards,
>
> Randy
>
>
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>
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586. Re: [tvnsp] Ultralights cancelled!

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-10 19:38:46 UTC
From: Mike Garske
Topic: 585 Message: 586

Jeff,

Here are the names of everyone involved:

Jeff - KD7INN
Paul - KD4STH
Randy- N7GPS
John Knapp- KD7HGS
John Stone- K7JPS

My phone number is 846-9219.....I will be running errands until approx 5pm, but I will come back to check for emails or phone calls.

With the ultralights canceling, we are still needing to look for the capsule, I will still go over tonight so we can get an early start in searching for it. I will monitor 147.000 when I get there. I am staying at the Motel 6 in Twin.

Mike KC7DPD
----- Original Message -----
From: "Jeff Melanson" <kd7inn@...>
To: <tvnsp@yahoogroups.com>
Sent: Friday, August 10, 2001 1:11 PM
Subject: [tvnsp] Ultralights cancelled!

>
> Hi all,
>
> I just received this information. The bad news is that the pilots do
> not feel comfortable with the weather conditions and the long flight to
> Aberdeen. Afternoon thunderstorms are predicted for the whole area and
> the higher temperatures degrade ultralight performance. As we all agree
> safety must come first.
> We must get the word out to anyone who was planning to drive out
> tonight. I do not have everyone's phone number. Please help get the word
> out and post that information here so that we know who gets the message.
> I believe Mike Garske has the list of people planning to go on the
> recovery mission. Can you post those names?
> The night launch is still a go. The weather that affects the
> ultralights does not affect us.
>
> Jeff Melanson
> KD7INN
>
> randy farley wrote:
> >

> > I don't get off till 2:30 today.
> > If my packing goes as planned, i hope to get on the road by
> > 5:30 or 6:00 PM.
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> > BTW, was 10 gal of premium fuel enough for the ultralights?
> > My notes say so,but just want to make sure. Had not heard if
> > a 3rd pilot was coming for sure. Hope fuel in Twin is
> > reasonable. Dont want to carry too much from my starting
> > point in Fruitland.
> >
> > On Fri, 10 Aug 2001 09:33:28 -0600
> > "Mike Garske" <kc7dpd@...> wrote:
> > > Everyone that is going over on Friday, what time is the
> > > convoy heading east?
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> > > minute errands,
> > > then heading over about 5pm......any one else going at
> > > that time?
> > >
> > > Mike KC7DPD
> > > ----- Original Message -----
> > > From: "John Knapp" <kd7hgs@...>
> > > To: <tvnsp@yahoogroups.com>
> > > Sent: Friday, August 10, 2001 9:08 AM
> > > Subject: [tvnsp] 8/10 1200z Predictions
> > >
> > >
> > > > This morning's prediciton gave me a landing site of:
> > > > 42.4809 lat -113.9902 long
> > > > Flight time of 157 minutes
> > > > Bearing: 106 degrees True
> > > > Range: 25 miles.
> > > >
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> > > > I couldn't get to the MRF page so don't know if the
> > > > prediction for tomorrow has changed or not.
> > > >
> > > >
> > > > John Stone - what did you come up with?
> > > >
> > > > See everyone tomorrow morning.
> > > >
> > > > JohnK - KD7HGS
> > > >
> > > >
> > > > _____
> > > > Do You Yahoo!?

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> > >
> >
> > regards,
> >
> > Randy
> >
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>

587. Re: [tvnsp] Ultralights cancelled!

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-10 19:39:19 UTC
From: John Knapp
Topic: 585 Message: 587

Thanks for the update. Do we still want to meet
Saturday AM to look for the capsules? As a ground
search. I am game to do it.

JohnK
--- Jeff Melanson <kd7inn@...> wrote:
>
> Hi all,
>
> I just received this information. The bad news is
> that the pilots do
> not feel comfortable with the weather conditions and
> the long flight to
> Aberdeen. Afternoon thunderstorms are predicted for
> the whole area and
> the higher temperatures degrade ultralight
> performance. As we all agree
> safety must come first.
> We must get the word out to anyone who was planning
> to drive out
> tonight. I do not have everyone's phone number.
> Please help get the word
> out and post that information here so that we know
> who gets the message.
> I believe Mike Garske has the list of people
> planning to go on the
> recovery mission. Can you post those names?
> The night launch is still a go. The weather that
> affects the
> ultralights does not affect us.
>
> Jeff Melanson
> KD7INN
>
> randy farley wrote:
> >
> > I don't get off till 2:30 today.
> > If my packing goes as planned, i hope to get on
> the road by
> > 5:30 or 6:00 PM.
> >
> > BTW, was 10 gal of premium fuel enough for the
> ultralights?
> > My notes say so,but just want to make sure. Had
> not heard if

> > a 3rd pilot was coming for sure. Hope fuel in Twin
> is
> > reasonable. Dont want to carry too much from my
> starting
> > point in Fruitland.
> >
> > On Fri, 10 Aug 2001 09:33:28 -0600
> > "Mike Garske" <kc7dpd@...> wrote:
> > > Everyone that is going over on Friday, what time
> is the
> > > convoy heading east?
> > > I plan on waking up around 1:30 to pack, and do
> some last
> > > minute errands,
> > > then heading over about 5pm......any one else
> going at
> > > that time?
> > >
> > > Mike KC7DPD
> > > ----- Original Message -----
> > > From: "John Knapp" <kd7hgs@...>
> > > To: <tvnsp@yahoogroups.com>
> > > Sent: Friday, August 10, 2001 9:08 AM
> > > Subject: [tvnsp] 8/10 1200z Predictions
> > >
> > >
> > > > This morning's prediciton gave me a landing
> site of:
> > > > 42.4809 lat -113.9902 long
> > > > Flight time of 157 minutes
> > > > Bearing: 106 degrees True
> > > > Range: 25 miles.
> > > >
> > > > I don't have map with me at work but I believe
> that is
> > > > south of the river and will land about half
> way
> > > > between Twin Falls and Burly.
> > > >
> > > > I couldn't get to the MRF page so don't know
> if the
> > > > prediction for tomorrow has changed or not.
> > > >
> > > >
> > > > John Stone - what did you come up with?
> > > >
> > > > See everyone tomorrow morning.
> > > >
> > > > JohnK - KD7HGS
> > > >

> > > >
> > > >
> _____
> > > > Do You Yahoo!?
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> > >
> >
> > regards,
> >
> > Randy
> >
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http://im.yahoo.com/

588. Re: [tvnsp] Ultralights cancelled!

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-10 19:46:42 UTC
From: Mike Garske
Topic: 585 Message: 588

Me too, are you staying at Motel 6 in Twin?

Mike
----- Original Message -----
From: "John Knapp" <kd7hgs@...>
To: <tvnsp@yahoogroups.com>
Sent: Friday, August 10, 2001 1:39 PM
Subject: Re: [tvnsp] Ultralights cancelled!

> Thanks for the update. Do we still want to meet
> Saturday AM to look for the capsules? As a ground
> search. I am game to do it.
>
> JohnK
> --- Jeff Melanson <kd7inn@...> wrote:
> >
> > Hi all,
> >
> > I just received this information. The bad news is
> > that the pilots do
> > not feel comfortable with the weather conditions and
> > the long flight to
> > Aberdeen. Afternoon thunderstorms are predicted for
> > the whole area and
> > the higher temperatures degrade ultralight
> > performance. As we all agree
> > safety must come first.
> > We must get the word out to anyone who was planning
> > to drive out
> > tonight. I do not have everyone's phone number.
> > Please help get the word
> > out and post that information here so that we know
> > who gets the message.
> > I believe Mike Garske has the list of people
> > planning to go on the
> > recovery mission. Can you post those names?
> > The night launch is still a go. The weather that
> > affects the
> > ultralights does not affect us.
> >
> > Jeff Melanson
> > KD7INN
> >
> > randy farley wrote:
> > >

> > > I don't get off till 2:30 today.
> > > If my packing goes as planned, i hope to get on
> > the road by
> > > 5:30 or 6:00 PM.
> > >
> > > BTW, was 10 gal of premium fuel enough for the
> > ultralights?
> > > My notes say so,but just want to make sure. Had
> > not heard if
> > > a 3rd pilot was coming for sure. Hope fuel in Twin
> > is
> > > reasonable. Dont want to carry too much from my
> > starting
> > > point in Fruitland.
> > >
> > > On Fri, 10 Aug 2001 09:33:28 -0600
> > > "Mike Garske" <kc7dpd@...> wrote:
> > > > Everyone that is going over on Friday, what time
> > is the
> > > > convoy heading east?
> > > > I plan on waking up around 1:30 to pack, and do
> > some last
> > > > minute errands,
> > > > then heading over about 5pm......any one else
> > going at
> > > > that time?
> > > >
> > > > Mike KC7DPD
> > > > ----- Original Message -----
> > > > From: "John Knapp" <kd7hgs@...>
> > > > To: <tvnsp@yahoogroups.com>
> > > > Sent: Friday, August 10, 2001 9:08 AM
> > > > Subject: [tvnsp] 8/10 1200z Predictions
> > > >
> > > >
> > > > > This morning's prediciton gave me a landing
> > site of:
> > > > > 42.4809 lat -113.9902 long
> > > > > Flight time of 157 minutes
> > > > > Bearing: 106 degrees True
> > > > > Range: 25 miles.
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> > > > > I don't have map with me at work but I believe
> > that is
> > > > > south of the river and will land about half
> > way
> > > > > between Twin Falls and Burly.
> > > > >
> > > > > I couldn't get to the MRF page so don't know
> > if the

> > > > > prediction for tomorrow has changed or not.
> > > > >
> > > > >
> > > > > John Stone - what did you come up with?
> > > > >
> > > > > See everyone tomorrow morning.
> > > > >
> > > > > JohnK - KD7HGS
> > > > >
> > > > >
> > > > >
> > _____
> > > > > Do You Yahoo!?
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> > >
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> > >
> > > Randy
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> > >

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>
>

589. Re: [tvnsp] Ultralights cancelled!

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-10 19:53:57 UTC
From: John Knapp
Topic: 585 Message: 589

No, I will be staying with my sister-in-law in
Heyburn. I was to meet Randy early in the morning.

I will be on 147.00 from Bliss eastward tonight and
tomorrow. Not sure when we will be leaving today.

JohnK
--- Mike Garske <kc7dpd@...> wrote:
> Me too, are you staying at Motel 6 in Twin?
>
> Mike
> ----- Original Message -----
> From: "John Knapp" <kd7hgs@...>
> To: <tvnsp@yahoogroups.com>
> Sent: Friday, August 10, 2001 1:39 PM
> Subject: Re: [tvnsp] Ultralights cancelled!
>
>
> > Thanks for the update. Do we still want to meet
> > Saturday AM to look for the capsules? As a ground
> > search. I am game to do it.
> >
> > JohnK
> > --- Jeff Melanson <kd7inn@...> wrote:
> > >
> > > Hi all,
> > >
> > > I just received this information. The bad news
> is
> > > that the pilots do
> > > not feel comfortable with the weather conditions
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> > > Aberdeen. Afternoon thunderstorms are predicted
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> > > We must get the word out to anyone who was
> planning
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> > > Please help get the word
> > > out and post that information here so that we

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> > > I believe Mike Garske has the list of people
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> > > recovery mission. Can you post those names?
> > > The night launch is still a go. The weather that
> > > affects the
> > > ultralights does not affect us.
> > >
> > > Jeff Melanson
> > > KD7INN
> > >
> > > randy farley wrote:
> > > >
> > > > I don't get off till 2:30 today.
> > > > If my packing goes as planned, i hope to get
> on
> > > the road by
> > > > 5:30 or 6:00 PM.
> > > >
> > > > BTW, was 10 gal of premium fuel enough for the
> > > ultralights?
> > > > My notes say so,but just want to make sure.
> Had
> > > not heard if
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> Twin
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> my
> > > starting
> > > > point in Fruitland.
> > > >
> > > > On Fri, 10 Aug 2001 09:33:28 -0600
> > > > "Mike Garske" <kc7dpd@...> wrote:
> > > > > Everyone that is going over on Friday, what
> time
> > > is the
> > > > > convoy heading east?
> > > > > I plan on waking up around 1:30 to pack, and
> do
> > > some last
> > > > > minute errands,
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> else
> > > going at
> > > > > that time?
> > > > >
> > > > > Mike KC7DPD
> > > > > ----- Original Message -----

> > > > > From: "John Knapp" <kd7hgs@...>
> > > > > To: <tvnsp@yahoogroups.com>
> > > > > Sent: Friday, August 10, 2001 9:08 AM
> > > > > Subject: [tvnsp] 8/10 1200z Predictions
> > > > >
> > > > >
> > > > > > This morning's prediciton gave me a
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> > > > > > I don't have map with me at work but I
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> not.
> > > > > > >
> > > > > > >
> > > > > > John Stone - what did you come up with?
> > > > > > >
> > > > > > See everyone tomorrow morning.
> > > > > > >
> > > > > > JohnK - KD7HGS
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590. Re: [tvnsp] Ultralights cancelled!

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-10 19:56:31 UTC
From: Jeff Melanson
Topic: 585 Message: 590

According to Mikes list of names, Randy, John Stone, and Paul are the only ones who don't know about the cancellation. Randy gets off work at 2:30. Hopefully he checks the email and lets us know he's got the message. I left a message on Paul's cell phone and waiting for his return call. Paul does not have access to email this weekend but might check it this afternoon. I do not know how to get a hold of John Stone but Paul does.
Let's see what Paul says about a ground search. The area is rough to drive into and that's makes it hard to cover a lot of ground. Maybe if we split up? Randy's ATV 4 Wheeler may do the trick. I suppose I'm game if you guys are. Paul and I were discussing how ineffective ground searches are but with this many interseted it may be worth going for it anyway. What are your thoughts?

Yes, I have reservations at Motel 6.

Jeff Melanson
KD7INN

John Knapp wrote:
>
> Thanks for the update. Do we still want to meet
> Saturday AM to look for the capsules? As a ground
> search. I am game to do it.
>
> JohnK
> --- Jeff Melanson <kd7inn@...> wrote:
> >
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> > I just received this information. The bad news is
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> > not feel comfortable with the weather conditions and
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> > Aberdeen. Afternoon thunderstorms are predicted for
> > the whole area and
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> > We must get the word out to anyone who was planning
> > to drive out
> > tonight. I do not have everyone's phone number.
> > Please help get the word
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> > I believe Mike Garske has the list of people

> > planning to go on the
> > recovery mission. Can you post those names?
> > The night launch is still a go. The weather that
> > affects the
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> > Jeff Melanson
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> > randy farley wrote:
> > >
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> > > If my packing goes as planned, i hope to get on
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> > > BTW, was 10 gal of premium fuel enough for the
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> > > My notes say so,but just want to make sure. Had
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> > > a 3rd pilot was coming for sure. Hope fuel in Twin
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> > > > then heading over about 5pm......any one else
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> > > >
> > > > Mike KC7DPD
> > > > ----- Original Message -----
> > > > From: "John Knapp" <kd7hgs@...>
> > > > To: <tvnsp@yahoogroups.com>
> > > > Sent: Friday, August 10, 2001 9:08 AM
> > > > Subject: [tvnsp] 8/10 1200z Predictions
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> > > >
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591. Re: [tvnsp] Ultralights cancelled!

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-10 20:00:12 UTC
From: Mike Garske
Topic: 585 Message: 591

I am still on for looking for the capsule tomorrow, If we can find some high ground, maybe do some binocular searches. Spliting up will probably help.....

Ok, got get ready and get out the door if I am going to be on the road by 6pm....see you all in Twin!

Mike
----- Original Message -----
From: "Jeff Melanson" <kd7inn@...>
To: <tvnsp@yahoogroups.com>
Sent: Friday, August 10, 2001 1:56 PM
Subject: Re: [tvnsp] Ultralights cancelled!

> According to Mikes list of names, Randy, John Stone, and Paul are the
> only ones who don't know about the cancellation. Randy gets off work at
> 2:30. Hopefully he checks the email and lets us know he's got the
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> we split up? Randy's ATV 4 Wheeler may do the trick. I suppose I'm game
> if you guys are. Paul and I were discussing how ineffective ground
> searches are but with this many interseted it may be worth going for it
> anyway. What are your thoughts?
>
> Yes, I have reservations at Motel 6.
>
> Jeff Melanson
> KD7INN
>
> John Knapp wrote:
> >
> > Thanks for the update. Do we still want to meet
> > Saturday AM to look for the capsules? As a ground
> > search. I am game to do it.
> >
> > JohnK
> > --- Jeff Melanson <kd7inn@...> wrote:
> > >
> > > Hi all,
> > >
> > > I just received this information. The bad news is
> > > that the pilots do

> > > not feel comfortable with the weather conditions and
> > > the long flight to
> > > Aberdeen. Afternoon thunderstorms are predicted for
> > > the whole area and
> > > the higher temperatures degrade ultralight
> > > performance. As we all agree
> > > safety must come first.
> > > We must get the word out to anyone who was planning
> > > to drive out
> > > tonight. I do not have everyone's phone number.
> > > Please help get the word
> > > out and post that information here so that we know
> > > who gets the message.
> > > I believe Mike Garske has the list of people
> > > planning to go on the
> > > recovery mission. Can you post those names?
> > > The night launch is still a go. The weather that
> > > affects the
> > > ultralights does not affect us.
> > >
> > > Jeff Melanson
> > > KD7INN
> > >
> > > randy farley wrote:
> > > >
> > > > I don't get off till 2:30 today.
> > > > If my packing goes as planned, i hope to get on
> > > the road by
> > > > 5:30 or 6:00 PM.
> > > >
> > > > BTW, was 10 gal of premium fuel enough for the
> > > ultralights?
> > > > My notes say so,but just want to make sure. Had
> > > not heard if
> > > > a 3rd pilot was coming for sure. Hope fuel in Twin
> > > is
> > > > reasonable. Dont want to carry too much from my
> > > starting
> > > > point in Fruitland.
> > > >
> > > > On Fri, 10 Aug 2001 09:33:28 -0600
> > > > "Mike Garske" <kc7dpd@...> wrote:
> > > > > Everyone that is going over on Friday, what time
> > > is the
> > > > > convoy heading east?
> > > > > I plan on waking up around 1:30 to pack, and do
> > > some last
> > > > > minute errands,
> > > > > then heading over about 5pm......any one else
> > > going at

> > > > > that time?
> > > > >
> > > > > Mike KC7DPD
> > > > > ----- Original Message -----
> > > > > From: "John Knapp" <kd7hgs@...>
> > > > > To: <tvnsp@yahoogroups.com>
> > > > > Sent: Friday, August 10, 2001 9:08 AM
> > > > > Subject: [tvnsp] 8/10 1200z Predictions
> > > > >
> > > > >
> > > > > > This morning's prediciton gave me a landing
> > > site of:
> > > > > > 42.4809 lat -113.9902 long
> > > > > > Flight time of 157 minutes
> > > > > > Bearing: 106 degrees True
> > > > > > Range: 25 miles.
> > > > > >
> > > > > > I don't have map with me at work but I believe
> > > that is
> > > > > > south of the river and will land about half
> > > way
> > > > > > between Twin Falls and Burly.
> > > > > >
> > > > > > I couldn't get to the MRF page so don't know
> > > if the
> > > > > > prediction for tomorrow has changed or not.
> > > > > >
> > > > > >
> > > > > > John Stone - what did you come up with?
> > > > > >
> > > > > > See everyone tomorrow morning.
> > > > > >
> > > > > > JohnK - KD7HGS
> > > > > >
> > > > > >
> > > > > >
> > > _____
> > > > > > Do You Yahoo!?
> > > > > > Make international calls for as low as
> > > $.04/minute with
> > > > > > Yahoo! Messenger
> > > > > > http://phonecard.yahoo.com/
> > > > > >
> > > > > >
> > > > > > To unsubscribe from this group, send an email
> > > to:
> > > > > > tvnsp-unsubscribe@egroups.com
> > > > > >
> > > > > >
> > > > > >

> > > > > > Your use of Yahoo! Groups is subject to
> > > > > > http://docs.yahoo.com/info/terms/
> > > > > > >
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> > > > > >
> > > > > >
> > > > > > ---------- Yahoo! Groups Sponsor
> > > > > >
> > > > > > To unsubscribe from this group, send an email
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> > > > > >
> > > > > >
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> > > > > > http://docs.yahoo.com/info/terms/
> > > > > >
> > > > > >
> > > > >
> > > > > regards,
> > > > >
> > > > > Randy
> > > > >
> > > > >
> > > > > To unsubscribe from this group, send an email to:
> > > > > tvnsp-unsubscribe@egroups.com
> > > > >
> > > > >
> > > > >
> > > > > Your use of Yahoo! Groups is subject to
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> > > >
> > >
> > > _____
> > > Do You Yahoo!?
> > > Send instant messages & get email alerts with Yahoo! Messenger.
> > > http://im.yahoo.com/
> > >
> > >
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>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
>

592. Dual Launch..

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-10 20:03:33 UTC
From: Jeff Melanson
Topic: 592 Message: 592

If we are able to find Pauls capsule we are looking at the possibility
of launching two balloons in September!

Jeff Melanson
KD7INN

593. The show must go on!

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-10 20:58:25 UTC
From: Jeff Melanson
Topic: 593 Message: 593

I just got off the phone with Paul. We will keep the same plans and do a ground search. Randy, your ATV 4 Wheeler will really be helpfull here. See all of you at Aberdeen airport at 7:00 AM.

Jeff Melanson
KD7INN

594. Re: [tvnsp] The show must go on!

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-10 21:02:44 UTC
From: John Knapp
Topic: 593 Message: 594

Randy, lets continue with our plans to meet about
6:00am in Heyburn (Burley). Will try to contact you on
147.00 when I go by Twin. Unsure of the time.

JohnK
--- Jeff Melanson <kd7inn@...> wrote:
>
> I just got off the phone with Paul. We will keep the
> same plans and do a
> ground search. Randy, your ATV 4 Wheeler will really
> be helpfull here.
> See all of you at Aberdeen airport at 7:00 AM.
>
> Jeff Melanson
> KD7INN
>

Do You Yahoo!?
Send instant messages & get email alerts with Yahoo! Messenger.
http://im.yahoo.com/

595. Re: [tvnsp] 8/10 1200z Predictions

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-10 18:33:31 UTC
From: Rick Widmer
Topic: 580 Message: 595

John Knapp wrote:
>
> This morning's prediciton gave me a landing site of:
> 42.4809 lat -113.9902 long
> Flight time of 157 minutes
> Bearing: 106 degrees True
> Range: 25 miles.
>
> I don't have map with me at work but I believe that is
> south of the river and will land about half way
> between Twin Falls and Burly.

It is much closer to Burley than Twin, but it is south of the river.
Here is a URL you might want to look at:

http://tiger.census.gov/cgi-bin/mapsurfer?infact=2&act=out&outfact=2&tlevel=-&tvar=-&tmeth=i&mlat=42.4809&mlon=-113.9902&msym=bigdot&mlabel=&murl=&lat=42.48090&lon=-113.99020&wid=0.360&ht=0.130&conf=mapnew.con&map.x=211&map.y=182

This is an area map with the balloon landing spot marked with a red dot.

Here is the url to the empty control panel for the mapping software:

http://tiger.census.gov/cgi-bin/mapbrowse-tbl/

Rick

596. Re: [tvnsp] 8/10 0z Predictions

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-10 18:49:49 UTC
From: Rick Widmer
Topic: 580 Message: 596

K7JPS - John wrote:
> The biggest challenge for recovering in this area would be to make
> sure we are on the right side of the Snake River.

There are bridges at Twin Falls, Murtaugh, Burley and American Falls.
The Murtaugh bridge is well hidden, but it should be on your maps.
There are several bridges in the Burley area, one is in town, one is
near exit 216 and the other near Acequia. The freeway crosses the river
near exit 216, so freeway exits give access to the North side between
Twin and 216, and South side access from then on.

Things are not so bad if the balloon lands closer than exit 216, but if
it is farther out you may have a very long drive to cross the river if
you make the wrong choice.

Rick

597. Re: [tvnsp] The show must go on!

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-10 23:21:01 UTC
From: Randy Farley
Topic: 593 Message: 597

Ok,I got 4-wheeler loaded and ready to head out. Just waiting for wife
so i can say goodbye. Glad i checked e-mail at last minute. will monitor
.240 when i leave. The launch marches on.

Jeff Melanson wrote:
>
> I just got off the phone with Paul. We will keep the same plans and do a
> ground search. Randy, your ATV 4 Wheeler will really be helpfull here.
> See all of you at Aberdeen airport at 7:00 AM.
>
> Jeff Melanson
> KD7INN
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

--
Regards,
Randy Farley
N7GPS -Ham Call-
My Home at: http://map.findu.com/n7gps
Find my pickup at: http://map.findu.com/n7gps-9
Also see daily weather radar reports for my positions at:
(scroll to bottom of page)
http://www.findu.com/cgi-bin/find.cgi?call=n7gps&radar=CBX

598. Re: [tvnsp] Ultralights cancelled!

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-10 23:23:40 UTC
From: Randy Farley
Topic: 585 Message: 598

Jeff

My HOME phone is 208-452-4655 for yours or anyones archives.
WORK phone is 208-452-3801 ext.668
Jeff Melanson wrote:
>
> According to Mikes list of names, Randy, John Stone, and Paul are the
> only ones who don't know about the cancellation. Randy gets off work at
> 2:30. Hopefully he checks the email and lets us know he's got the
> message. I left a message on Paul's cell phone and waiting for his
> return call. Paul does not have access to email this weekend but might
> check it this afternoon. I do not know how to get a hold of John Stone
> but Paul does.
> Let's see what Paul says about a ground search. The area is rough to
> drive into and that's makes it hard to cover a lot of ground. Maybe if
> we split up? Randy's ATV 4 Wheeler may do the trick. I suppose I'm game
> if you guys are. Paul and I were discussing how ineffective ground
> searches are but with this many interseted it may be worth going for it
> anyway. What are your thoughts?
>
> Yes, I have reservations at Motel 6.
>
> Jeff Melanson
> KD7INN
>
> John Knapp wrote:
> >
> > Thanks for the update. Do we still want to meet
> > Saturday AM to look for the capsules? As a ground
> > search. I am game to do it.
> >
> > JohnK
> > --- Jeff Melanson <kd7inn@...> wrote:
> > >
> > > Hi all,
> > >
> > > I just received this information. The bad news is
> > > that the pilots do
> > > not feel comfortable with the weather conditions and
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> > > I believe Mike Garske has the list of people
> > > planning to go on the
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> > > The night launch is still a go. The weather that
> > > affects the
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> > >
> > > Jeff Melanson
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> > >
> > > randy farley wrote:
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> > > > If my packing goes as planned, i hope to get on
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> > > > BTW, was 10 gal of premium fuel enough for the
> > > ultralights?
> > > > My notes say so,but just want to make sure. Had
> > > not heard if
> > > > a 3rd pilot was coming for sure. Hope fuel in Twin
> > > is
> > > > reasonable. Dont want to carry too much from my
> > > starting
> > > > point in Fruitland.
> > > >
> > > > On Fri, 10 Aug 2001 09:33:28 -0600
> > > > "Mike Garske" <kc7dpd@...> wrote:
> > > > > Everyone that is going over on Friday, what time
> > > is the
> > > > > convoy heading east?
> > > > > I plan on waking up around 1:30 to pack, and do
> > > some last
> > > > > minute errands,
> > > > > then heading over about 5pm......any one else
> > > going at
> > > > > that time?
> > > > >
> > > > > Mike KC7DPD
> > > > > ----- Original Message -----
> > > > > From: "John Knapp" <kd7hgs@...>
> > > > > To: <tvnsp@yahoogroups.com>
> > > > > Sent: Friday, August 10, 2001 9:08 AM

> > > > > Subject: [tvnsp] 8/10 1200z Predictions
> > > > >
> > > > >
> > > > > > This morning's prediciton gave me a landing
> > > site of:
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> > > > > > I don't have map with me at work but I believe
> > > that is
> > > > > > south of the river and will land about half
> > > way
> > > > > > between Twin Falls and Burly.
> > > > > >
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> > > > > > prediction for tomorrow has changed or not.
> > > > > >
> > > > > >
> > > > > > John Stone - what did you come up with?
> > > > > >
> > > > > > See everyone tomorrow morning.
> > > > > >
> > > > > > JohnK - KD7HGS
> > > > > >
> > > > > >
> > > > > >
> > > _____
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> > > > > > Make international calls for as low as
> > > $.04/minute with
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> > > > > >
> > > > > >
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> > > > > >
> > > > > >
> > > > > >
> > > > > > Your use of Yahoo! Groups is subject to
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> > > > >
> > > > >
> > > >
> > > > regards,
> > > >
> > > > Randy
> > > >
> > > >
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> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

--
Regards,

Randy Farley
N7GPS -Ham Call-
My Home at: http://map.findu.com/n7gps
Find my pickup at: http://map.findu.com/n7gps-9
Also see daily weather radar reports for my positions at:
(scroll to bottom of page)
http://www.findu.com/cgi-bin/find.cgi?call=n7gps&radar=CBX

599. Re: [tvnsp] Status, 8 Aug

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-11 07:31:37 UTC
From: Rick Widmer
Topic: 573 Message: 599

verhap@... wrote:
>
> We'll meet for dinner on Saturday, at 5:00 PM, at the Mongolian
> House. It's located on Blue Lakes, in the Fred Meyer's parking lot.
> After dinner I'll head to the planetarium. The Expo Center will be
> opened at 8:00 PM.

The Mongolian House is NOT in the Fred Meyer's parking lot. It is much further south, (3 mi from the bridge) almost to Addison avenue and the five points. It is the same place as the dinner before the last launch.

The place in the Fred Meyer parking lot is the Mandrin House. I believe the Mongolian House is a better choice as we can probably get the back room to ourselves again.

Rick

600. TVNSP launch TV01F

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-11 22:21:15 UTC
From: K7JPS - John
Topic: 600 Message: 600

Treasure Valley Near Space Program will be launching TV01F tonight (8/11) at 2200 MDT (8/12/01 0400 UTC) from the Expo Center at the College of Southern Idaho in Twin Falls. There will be two separate APRS beacons on the launch vehicle, call signs KD4STH-11, and KD7INN-11. You will be able to track them at www.findu.com/cgi-bin/find.cgi?kd4sth-11, www.findu.com/cgi-bin/find.cgi?kd7inn-11.

The fill will be indoors at the Expo Building itself. On the flight we hope to capture pictures or video of the Perseid meteor shower! We also will have the new T-shirts for the group on board so they can take the ride up to 105,000 feet!

The balloon is predicted to reach burst altitude at 0606 UTC, with a landing at 0640 UTC. Hopefully there will be a recovery at night north of Hazelton, ID. but if the capsule lands in the lava fields, we will wait until morning to recover it.

John Stone
K7JPS

601. TVNSP flight results?

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-13 03:33:18 UTC
From: Mark Conner
Topic: 601 Message: 601

This was all I got from FindU for either KD7INN-11 or KD4STH-11:

```
KD7INN-11>GPSPO:$GPGGA,063802,4239.9430,N,11411.6670,W,1,08,1.0,23843.4,M,-1
7.8,M,,*7E
KD7INN-11>GPSPO:$GPRMC,064402,A,4240.1298,N,11413.0333,W,11.3,257.9,120801,1
4.2,E,A*0F
KD7INN-11>GPSPO:$GPGGA,064802,4240.4298,N,11414.5062,W,1,08,1.1,25835.4,M,-1
7.9,M,,*7A
KD7INN-11>GPSPO:$GPRMC,064902,A,4240.5374,N,11414.8199,W,16.4,304.5,120801,1
4.3,E,A*02
```

This was during ascent and the last GGA is about 85,000 ft. The ascent rate during this period was 650 ft/min. Anything else?

- Mark

Mark D. Conner
E-mail: n9xtn@...
Homepage: http://members.home.net/mconner1

"Arrogance and stupidity, all in the same package.....how efficient of you!" - Ambassador Londo Mollari, Babylon 5

602. TVNSP payload found

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-13 03:49:34 UTC
From: Mark Conner
Topic: 602 Message: 602

KD7INN reported via APRS message that the TVNSP payload has been recovered.
Looks like the landing was about 15 miles NNW of Burley, ID. No more
details available - apparently lucky to get that msg through.

73 de Mark N9XTN

Mark D. Conner
E-mail: n9xtn@...
Homepage: http://members.home.net/mconner1
"Arrogance and stupidity, all in the same package.....how efficient
of you!" - Ambassador Londo Mollari, Babylon 5

603. Altitude?

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-13 19:12:00 UTC
From: Rick Widmer
Topic: 603 Message: 603

Can someone tell me how you are getting altitude information for tracking. The aprs packet displayed on

http://www.findu.com/cgi-bin/find.cgi?kd7inn-11

appears to be the same data as a NMEA RMC message, and does not include altitude. That data comes from a 0183B message set, which does not include altitude in either of the messages it sends. Please tell me what mode to set the gps in, and where the altitude information appears in aprs.

Thanks,
Rick Widmer

604. Re: [tvnsp] Altitude?

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-13 23:02:00 UTC
From: Mark Conner
Topic: 603 Message: 604

The payload appeared to be alternating GGA and RMC sentences. Findu simply reports the last one received.

The following was found by using the 'rawposit.cgi' function on Findu:

```
KD7INN-11>GPSPO:$GPGGA,063802,4239.9430,N,11411.6670,W,1,08,1.0,23843.4,M,-1
7.8,M,,*7E
KD7INN-11>GPSPO:$GPRMC,064402,A,4240.1298,N,11413.0333,W,11.3,257.9,120801,1
4.2,E,A*0F
KD7INN-11>GPSPO:$GPGGA,064802,4240.4298,N,11414.5062,W,1,08,1.1,25835.4,M,-1
7.9,M,,*7A
KD7INN-11>GPSPO:$GPRMC,064902,A,4240.5374,N,11414.8199,W,16.4,304.5,120801,1
4.3,E,A*02
```

Controlling what sentences and when they're output from a GPS is usually model or brand-specific. Most GPS units output GGA and RMC (among others) once per second unless told differently.

73 de Mark N9XTN

----- Original Message -----
From: "Rick Widmer" <rwidmer@...>
To: <tvnsp@yahoogroups.com>
Sent: Monday, August 13, 2001 14:12
Subject: [tvnsp] Altitude?

> Can someone tell me how you are getting altitude information for
> tracking. The aprs packet displayed on
>
> http://www.findu.com/cgi-bin/find.cgi?kd7inn-11
>
> appears to be the same data as a NMEA RMC message, and does not include
> altitude. That data comes from a 0183B message set, which does not
> include altitude in either of the messages it sends. Please tell me
> what mode to set the gps in, and where the altitude information appears
> in aprs.
>
> Thanks,
> Rick Widmer

605. Re: [tvnsp] Altitude?

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-14 02:13:26 UTC
From: Craig Brunson
Topic: 603 Message: 605

I beacon the RMC message first, then the GGA second. This leaves the altitude on our D7s and D700 displays. Also any software that only shows the last string will show altitude. With a balloon, it seems that the altitude is the most important, after lat/long.

Alternatively, I have alternated the beacons, GGA every 30 sec, & RMC every minute. This alternates course/speed with altitude on our display every 30 seconds. (RMC first then GGA second in this one). This gives more altitude hits for our logs & less course & speed.

Craig, N7TSZ

----- Original Message -----
From: "Rick Widmer" <rwidmer@...>
To: <tvnsp@yahoogroups.com>
Sent: Monday, August 13, 2001 12:12 PM
Subject: [tvnsp] Altitude?

> Can someone tell me how you are getting altitude information for
> tracking. The aprs packet displayed on
>
> http://www.findu.com/cgi-bin/find.cgi?kd7inn-11
>
> appears to be the same data as a NMEA RMC message, and does not include
> altitude. That data comes from a 0183B message set, which does not
> include altitude in either of the messages it sends. Please tell me
> what mode to set the gps in, and where the altitude information appears
> in aprs.
>
> Thanks,
> Rick Widmer
>
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>

606. Re: [tvnsp] Altitude?

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-14 04:01:25 UTC
From: Tim Rynearson
Topic: 603 Message: 606
Attachments: 1 described; binary payloads are missing from this source WARC

Gang,
Please find attached the text file of all posit report strings I received from the latest flight here at my home in Emmett. Notice that the unproto path makes a HUGE difference in coverage, because even at altitude, I saw nothing from KD6STH-11, and I certainly should have....

Tim...N7UBO

-------Original Message-------

From:Craig Brunson
Date: Monday, August 13, 2001 08:01:35 PM
To:tvnsp@yahoogroups.com
Subject: Re: [tvnsp] Altitude?

I beacon the RMC message first, then the GGA second. This leaves the altitude on our D7s and D700 displays. Also any software that only shows the last string will show altitude. With a balloon, it seems that the altitude is the most important, after lat/long.

Alternatively, I have alternated the beacons, GGA every 30 sec, & RMC every minute. This alternates course/speed with altitude on our display every 30 seconds. (RMC first then GGA second in this one). This gives more altitude hits for our logs & less course & speed.

Craig, N7TSZ

----- Original Message -----
From: "Rick Widmer" <rwidmer@...>
To: <tvnsp@yahoogroups.com>
Sent: Monday, August 13, 2001 12:12 PM
Subject: [tvnsp] Altitude?

> Can someone tell me how you are getting altitude information for
> tracking. The aprs packet displayed on
>
> http://www.findu.com/cgi-bin/find.cgi?kd7inn-11
>
> appears to be the same data as a NMEA RMC message, and does not include
> altitude. That data comes from a 0183B message set, which does not
> include altitude in either of the messages it sends. Please tell me
> what mode to set the gps in, and where the altitude information appears
> in aprs.
>
> Thanks,
> Rick Widmer

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607. Re: [tvnsp] Altitude?

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-14 04:28:42 UTC
From: Stephanie Steele
Topic: 603 Message: 607

Hi Tim,

There was no KD4STH-11 on this flight. The APRS tracker was KD7INN-11
and the beacon was KD4STH. Probably why you didn't see it!

Stephanie

Tim Rynearson wrote:

>
> Gang, Please find attached the text file of all posit report
strings I received from the latest flight here at my home in
Emmett. Notice that the unproto path makes a HUGE difference in
coverage, because even at altitude, I saw nothing from KD6STH-11,
and I certainly should have.... Tim...N7UBO
-------Original Message-------

From:Craig Brunson
Date: Monday, August 13, 2001 08:01:35 PM
To:tvnsp@yahoogroups.com
Subject: Re: [tvnsp] Altitude?
I beacon the RMC message first, then the GGA second. This leaves
the
altitude on our D7s and D700 displays. Also any software that only
shows
the last string will show altitude. With a balloon, it seems that
the
altitude is the most important, after lat/long.

Alternatively, I have alternated the beacons, GGA every 30 sec, &
RMC every
minute. This alternates course/speed with altitude on our display
every 30
seconds. (RMC first then GGA second in this one). This gives more
altitude
hits for our logs & less course & speed.

Craig, N7TSZ

----- Original Message -----
From: "Rick Widmer" <rwidmer@...>
To: <tvnsp@yahoogroups.com>
Sent: Monday, August 13, 2001 12:12 PM
Subject: [tvnsp] Altitude?

> Can someone tell me how you are getting altitude information for

> tracking. The aprs packet displayed on
>
> http://www.findu.com/cgi-bin/find.cgi?kd7inn-11
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> appears to be the same data as a NMEA RMC message, and does not
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> altitude. That data comes from a 0183B message set, which does
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> what mode to set the gps in, and where the altitude information
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> in aprs.
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--
Stephanie

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business. By using the link below we both will receive a $5 sign up
bonus.

https://www.paypal.com/refer/pal=kc7dba%40arrl.net

608. Re: [tvnsp] Altitude?

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-14 04:45:06 UTC
From: Tim Rynearson
Topic: 603 Message: 608

Ahh, okay...last I heard there were going to be two trackers on board...I stand corrected, thank you. If at all possible, I'd like to see ANY tracker that goes up to have at least a WIDE3-3 (and I would sugggest WIDE4-4, just to be sure) unproto path so that the three digis in our area can be put to use and all interested parties can follow the goings on, and because of your digi, we can get the interest of our neighbors to the south.
And if any are interested to know and missed it, I launched a tracker on a hot air balloon flight in Boise about three weeks ago (N7UBO-11...I believe this was a first in the area). I have the track data from that flight, too.... Maybe next time, I'll get to go with the tracker.

Tim...N7UBO

-------Original Message-------

From:Stephanie Steele
Date: Monday, August 13, 2001 10:18:13 PM
To:tvnsp@yahoogroups.com
Subject: Re: [tvnsp] Altitude?

Hi Tim,

There was no KD4STH-11 on this flight. The APRS tracker was KD7INN-11 and the beacon was KD4STH. Probably why you didn't see it!

Stephanie

Tim Rynearson wrote:

>
> Gang, Please find attached the text file of all posit report strings I received from the latest flight here at my home in Emmett. Notice that the unproto path makes a HUGE difference in coverage, because even at altitude, I saw nothing from KD6STH-11, and I certainly should have.... Tim...N7UBO
-------Original Message-------

From:Craig Brunson
Date: Monday, August 13, 2001 08:01:35 PM
To:tvnsp@yahoogroups.com
Subject: Re: [tvnsp] Altitude?
I beacon the RMC message first, then the GGA second. This leaves the
altitude on our D7s and D700 displays. Also any software that only shows
the last string will show altitude. With a balloon, it seems that the
altitude is the most important, after lat/long.

Alternatively, I have alternated the beacons, GGA every 30 sec, &
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minute. This alternates course/speed with altitude on our display
every 30
seconds. (RMC first then GGA second in this one). This gives more
altitude
hits for our logs & less course & speed.

Craig, N7TSZ

----- Original Message -----
From: "Rick Widmer" <rwidmer@...>
To: <tvnsp@yahoogroups.com>
Sent: Monday, August 13, 2001 12:12 PM
Subject: [tvnsp] Altitude?

> Can someone tell me how you are getting altitude information for

> tracking. The aprs packet displayed on
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> http://www.findu.com/cgi-bin/find.cgi?kd7inn-11
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Stephanie

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609. Re: [tvnsp] Altitude?

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-14 05:21:03 UTC
From: Jeff Melanson
Topic: 603 Message: 609

Hi Tim,

This was my first flight, a mixture of Paul's and and my stuff. I intended to program the path as wide 3-3 but goofed up and didn't get it done. All my future flights will be at least 3-3.

Stephanie Steele wrote:
>
> Hi Tim,
>
> There was no KD4STH-11 on this flight. The APRS tracker was KD7INN-11
> and the beacon was KD4STH. Probably why you didn't see it!
>
> Stephanie
>
> Tim Rynearson wrote:
>
> >
> > Gang, Please find attached the text file of all posit report
> strings I received from the latest flight here at my home in
> Emmett. Notice that the unproto path makes a HUGE difference in
> coverage, because even at altitude, I saw nothing from KD6STH-11,
> and I certainly should have.... Tim...N7UBO
> -------Original Message-------
>
> From:Craig Brunson
> Date: Monday, August 13, 2001 08:01:35 PM
> To:tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] Altitude?
> I beacon the RMC message first, then the GGA second. This leaves
> the
> altitude on our D7s and D700 displays. Also any software that only
> shows
> the last string will show altitude. With a balloon, it seems that
> the
> altitude is the most important, after lat/long.
>
> Alternatively, I have alternated the beacons, GGA every 30 sec, &
> RMC every
> minute. This alternates course/speed with altitude on our display
> every 30
> seconds. (RMC first then GGA second in this one). This gives more
> altitude
> hits for our logs & less course & speed.
>

> Craig, N7TSZ
>
> ----- Original Message -----
> From: "Rick Widmer" <rwidmer@...>
> To: <tvnsp@yahoogroups.com>
> Sent: Monday, August 13, 2001 12:12 PM
> Subject: [tvnsp] Altitude?
>
> > Can someone tell me how you are getting altitude information for
>
> > tracking. The aprs packet displayed on
> >
> > http://www.findu.com/cgi-bin/find.cgi?kd7inn-11
> >
> > appears to be the same data as a NMEA RMC message, and does not
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> > altitude. That data comes from a 0183B message set, which does
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> > include altitude in either of the messages it sends. Please tell
> me
> > what mode to set the gps in, and where the altitude information
> appears
> > in aprs.
> >
> > Thanks,
> > Rick Widmer
> >
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> --
> Stephanie
>
> ******************************
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610. Flight Analysis

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-14 05:41:31 UTC
From: Jeff Melanson
Topic: 610 Message: 610

Hi all,

Much info will be coming in when Paul is finished processing the data. As some of you may have heard, from about 30,000 ft and down the tracker kept sending the same data. Upon recovery of the capsule I discovered that the Garmin Etrex GPS was turned off. I turned it on and the tracker updated to it's current position. The battery indicator in the GPS showed a nearly full charge. This GPS was run for almost 12 hours during a test prior to launch day. There were no problems noted. Fresh batteries were installed. I found some fine print in the manual that says "Alkaline batteries lose a significant amount of there capacity as temperature decreases. Use lithium batteries when operating the Etrex in below freezing conditions." Hmmmmm. Paul will make a graph of the temperature during flight.
KNSP - What kind of batteries did you use with the etrex?

Jeff Melanson
KD7INN

611. Re: [tvnsp] Flight Analysis

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-14 06:28:14 UTC
From: Mike Garske
Topic: 610 Message: 611

Everyone,

Good job recovering the capsule!! I had a great time at the launch and the chase, the balloon bug has bit me! I wish I would have been there for the recovery......the score so far....the desert 1, TVNSP 1....hope we find the other capsule soon!

Mike KC7DPD

----- Original Message -----
From: "Jeff Melanson" <kd7inn@...>
To: <tvnsp@yahoogroups.com>
Sent: Monday, August 13, 2001 11:41 PM
Subject: [tvnsp] Flight Analysis

>
>
> Hi all,
>
> Much info will be coming in when Paul is finished processing the data.
> As some of you may have heard, from about 30,000 ft and down the tracker
> kept sending the same data. Upon recovery of the capsule I discovered
> that the Garmin Etrex GPS was turned off. I turned it on and the tracker
> updated to it's current position. The battery indicator in the GPS
> showed a nearly full charge. This GPS was run for almost 12 hours during
> a test prior to launch day. There were no problems noted. Fresh
> batteries were installed. I found some fine print in the manual that
> says "Alkaline batteries lose a significant amount of there capacity as
> temperature decreases. Use lithium batteries when operating the Etrex in
> below freezing conditions." Hmmmmm. Paul will make a graph of the
> temperature during flight.
> KNSP - What kind of batteries did you use with the etrex?
>
> Jeff Melanson
> KD7INN
>
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>
>
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>
>

612. TV01F report from Stephanie KC7DBA

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-14 18:19:26 UTC
From: Stephanie Steele
Topic: 612 Message: 612

Hi Group,

As most of you already know, TV01f was successfully launched on Saturday August 11th just before midnight (John has the exact launch time I believe). The launch went off a little late as we had to wait for winds to die down. The launch was flawless and we enjoyed watching the balloon with it's dual strobe lights as it drifted away. It was easily visible to at least 16k feet when I got busy and stopped watching it. Burst altitude was lower than the 105k feet that was expected (John or Paul have the exact burst altitude figures I believe). The balloon stopped transmitting APRS on descent at approximately 30k feet and the hunt was on. The chase crew, large and eager as they were, searched for the balloon all night and finally called it quits and returned to Twin Falls around 0700 hrs. Norma (KC7DAZ) and I grabbed a couple hours sleep at our motel before they booted us out. At 1130, as we were gassing up in preparation to head home, we heard discussion on the 147.000 repeater that the capsule was being heard by a station (Walter) in Paul, Idaho. We were soon joined by Jeff (KD7INN) and at around noon the search was on again. Jeff and I joined up and mercifully sent Norma to wherever it is in that part of the country that food and water exists so she could get some rest. Lee K7ZVA and Dean KI7CC joined forces and along with Walter (sorry I don't remember his call sign and our notes blew away in the thunderstorm that we got to enjoy later in the day) provided us with beam headings and triangulated intersections northwest of Kimama Butte to explore. Nary a peep was heard from the capsule by Jeff and I despite our best efforts in the search area. Reports continued to come in from Walter that the beacon from the capsule was stronger than the repeater to him. Late in the afternoon, as we were becoming pretty discouraged, we got fresh information that an unidentified ham on Kimama Butte was hearing the capsule on the south side of Kimama Butte, on his handheld. Dean generously went out and provided Lee with some fresh beam headings and Lee calculated a new position near Kimama Butte. As we began to climb the south side of the butte Jeff and I finally heard the music of KD4STH's CW beacon. Jeff and I began a foot search on the south side of the butte, (of course Jeff went the right way, down, and I climbed up the butte for some much needed exercise ;-) While on top of the butte I got to enjoy a thunder storm with lots of lightening. This was a welcome break to the heat but not too enjoyable as there was no where to hide from the electronics! Jeff mercifully retrieved me from the top of the butte and we headed down in the correct direction that he had determined. We also discovered that we had strategically made sure that we had no water with us during the day long search. That along with the extremely warm temperatures kept my sense of humor in a somewhat warped condition to say the least! The foot search continued to the SSW of Kimama Butte and at 2020 hrs the balloon was located approximately 2-2.5

miles SSW of Kimama Butte. The exact recovery site was N 42 44.033 / W 113 54.181. After photos and observations the somewhat wet but intact equipment was gathered up and we returned to Twin Falls to drink several gallons of water and have a huge meal to celebrate. Jeff and I committed that in the future no more of these searches will be done without the search crew having proper equipment with them. This would include, beam antenna and associated fox hunting equipment, dual APRS trackers on the balloon when at all possible, water, hiking boots, snake bite kit (oh did I forget to mention the rattlesnakes?), and about one each of every other item anyone can think of.

Sorry to all who missed the launch and chase, it was a very good time.

--
Stephanie

****

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613. Re: fyi

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-14 18:43:10 UTC
From: Craig Brunson
Topic: 613 Message: 613

Here is the latest on our latest launch, Thursday, 9 August, from Tillamook.

Click on the following to see the press release again - with a pointer to
the photos they shot. There are some stills of our video on them also.

http://amesnews.arc.nasa.gov/

http://amesnews.arc.nasa.gov/releases/2001/01_58AR.html

http://amesnews.arc.nasa.gov/releases/2001/01images/marsplane/marsplane.html

Shannon-

if it was on the NASA channel, at ~9 this am, that's at 12 eastern, I think.
the same schedule for tomarrow says a video will be at 11:30, that makes it
8:30 here. it may be the same video

614. Re: [tvnsp] TV01F report from Stephanie KC7DBA

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-14 18:54:19 UTC
From: John Knapp
Topic: 612 Message: 614

Thanks for the update. I was wondering what the
sequence of events was.

JohnK - KD7HGS

--- Stephanie Steele <kc7dba@...> wrote:
> Hi Group,
>
> As most of you already know, TV01f was
> successfully launched on
> Saturday August 11th just before midnight (John has
> the exact launch
> time I believe). The launch went off a little late
> as we had to wait for
> winds to die down. The launch was flawless and we
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> stopped watching it.
> Burst altitude was lower than the 105k feet that was
> expected (John or
> Paul have the exact burst altitude figures I
> believe). The balloon
> stopped transmitting APRS on descent at
> approximately 30k feet and the
> hunt was on. The chase crew, large and eager as they
> were, searched for
> the balloon all night and finally called it quits
> and returned to Twin
> Falls around 0700 hrs. Norma (KC7DAZ) and I grabbed
> a couple hours sleep
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> we were gassing up
> in preparation to head home, we heard discussion on
> the 147.000 repeater
> that the capsule was being heard by a station
> (Walter) in Paul, Idaho.
> We were soon joined by Jeff (KD7INN) and at around
> noon the search was
> on again. Jeff and I joined up and mercifully sent
> Norma to wherever it
> is in that part of the country that food and water
> exists so she could
> get some rest. Lee K7ZVA and Dean KI7CC joined

> forces and along with
> Walter (sorry I don't remember his call sign and our
> notes blew away in
> the thunderstorm that we got to enjoy later in the
> day) provided us with
> beam headings and triangulated intersections
> northwest of Kimama Butte
> to explore. Nary a peep was heard from the capsule
> by Jeff and I despite
> our best efforts in the search area. Reports
> continued to come in from
> Walter that the beacon from the capsule was stronger
> than the repeater
> to him. Late in the afternoon, as we were becoming
> pretty discouraged,
> we got fresh information that an unidentified ham on
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> As we began to
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> heard the music of
> KD4STH's CW beacon. Jeff and I began a foot search
> on the south side of
> the butte, (of course Jeff went the right way, down,
> and I climbed up
> the butte for some much needed exercise ;-) While
> on top of the butte I
> got to enjoy a thunder storm with lots of
> lightening. This was a welcome
> break to the heat but not too enjoyable as there was
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> from the electronics! Jeff mercifully retrieved me
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> butte and we headed down in the correct direction
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> determined. We also discovered that we had
> strategically made sure that
> we had no water with us during the day long search.
> That along with the
> extremely warm temperatures kept my sense of humor
> in a somewhat warped
> condition to say the least! The foot search
> continued to the SSW of
> Kimama Butte and at 2020 hrs the balloon was located
> approximately 2-2.5
> miles SSW of Kimama Butte. The exact recovery site

> was N 42 44.033 / W
> 113 54.181. After photos and observations the
> somewhat wet but intact
> equipment was gathered up and we returned to Twin
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> gallons of water and have a huge meal to celebrate.
> Jeff and I committed
> that in the future no more of these searches will be
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> search crew having proper equipment with them. This
> would include, beam
> antenna and associated fox hunting equipment, dual
> APRS trackers on the
> balloon when at all possible, water, hiking boots,
> snake bite kit (oh
> did I forget to mention the rattlesnakes?), and
> about one each of every
> other item anyone can think of.
>
> Sorry to all who missed the launch and chase, it was
> a very good time.
>
>
> --
> Stephanie
>
> ******************************
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615. Re: [tvnsp] Flight Analysis

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-15 05:03:37 UTC
From: Jeff Melanson
Topic: 610 Message: 615

Hi All,

I have completed the failure analysis of the tracker and found the cause of the GPS shutdown. I placed the GPS in a zip lock bag and put it in the refrigerator. After one hour I checked and it was still running fine. I then moved it to the freezer for another hour. When I checked it the message "Battery Low" was on the display. The visual indicator showed the battery was drained but the GPS was still running. I placed the GPS back in room temperature. After a very short time I checked it again and it had shut down. I turned it back on and the battery indicator was back up at 50 percent. After another couple of hours the battery indicator was back to about 75 percent. Paul printed a graph of the temperature from the I-Button that was in the same capsule. During the decent the temperature had dropped to 5 degrees. This correlates to the approximate time the GPS shutdown.
What is the fix to this problem? Paul tells me that the temperature inside the capsules usually does not drop below freezing. However we decided that the equipment on this flight does not generate significant amounts of heat. The GPS manual says to use lithium batteries. I think I will look for rechargeable lithium batteries and also insulate the GPS a little more.

Jeff Melanson
KD7INN

616. Re: [tvnsp] Flight Analysis

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-15 15:59:10 UTC
From: Stephanie Steele
Topic: 610 Message: 616

Hi Jeff,

Thanks for the report. I felt that this would be the answer to the mystery. This could also help explain the episode with the missing capsules.

I was giving this situation some thought last night at work now that I can think again! It would appear that during desent you would have a 30-35 mph wind chill factor to figure with the ambient temperature. Assuming that at 85k feet the temperature is 32 degrees, that would make the temperature 0-5 degrees with the wind chill. I would suggest using the lithium batteries and placing a chemical hand warmer pack into each capsule. They are lightweight and last for several hours. I would suspect this would eliminate the need for the equipment onboard to generate any heat. Just my $.02 worth!

Stephanie

Jeff Melanson wrote:

> Hi All,
>
> I have completed the failure analysis of the tracker and found the
> cause of the GPS shutdown. I placed the GPS in a zip lock bag and put it
> in the refrigerator. After one hour I checked and it was still running
> fine. I then moved it to the freezer for another hour. When I checked it
> the message "Battery Low" was on the display. The visual indicator
> showed the battery was drained but the GPS was still running. I placed
> the GPS back in room temperature. After a very short time I checked it
> again and it had shut down. I turned it back on and the battery
> indicator was back up at 50 percent. After another couple of hours the
> battery indicator was back to about 75 percent. Paul printed a graph of
> the temperature from the I-Button that was in the same capsule. During
> the decent the temperature had dropped to 5 degrees. This correlates to
> the approximate time the GPS shutdown.
> What is the fix to this problem? Paul tells me that the temperature
> inside the capsules usually does not drop below freezing. However we
> decided that the equipment on this flight does not generate significant
> amounts of heat. The GPS manual says to use lithium batteries. I think I
> will look for rechargeable lithium batteries and also insulate the GPS a
> little more.
>
> Jeff Melanson
> KD7INN
>
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Stephanie

****

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617. Internal temps on near-space payloads

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-15 20:11:59 UTC
From: Conner, Mark
Topic: 617 Message: 617

It was interesting to hear that TVNSP had recorded near-zero Fahrenheit temperatures inside the capsules. NSTAR and NSBG have flown thermochrons and typically the lowest temperatures recorded on an interior surface were normally in the 40-50F range. On my NSTAR capsules, the NiMH batteries are well-insulated and typically get down to 50-55F at worst. Our results may be a little biased as we have typically flown at 900-1300 ft/min ascent rates. If we went up at 600 ft/min and spent more time in the cold air, we may have gotten near or below freezing even on our capsules.

I can provide Excel spreadsheets if anyone wants them, and one from the GPSL is available in the KNSP files area (see http://groups.yahoo.com/group/KNSP).

Making the capsule as wind-proof as possible may be the best way to keep the temperatures up. Many heat-generating packs will not work at high altitude because they require external oxygen. On the KNSP group I posted the results of an experiment flown on NSBG near the end of April where a heat pack was flown to 90,000 ft. I can't locate the exact message because the site is blocked here, but look for messages near the end of April or the first half of May.

Even though the heat pack won't work at high altitudes, it still might help. The pack would help keep the GPS warmer than it would be otherwise during the initial ascent, then it would take longer to cool off.

I use a Garmin GPS-35 for my payload, so I can expose the GPS unit to cooler temps than the batteries. If the ETrex can be powered externally, it may be better to do so and keep the batteries in a well-insulated internal container. Lithium cells are a useful but expensive alternative, as long as the voltages are compatible (normally 3V/cell instead of 1.5).

73 de Mark N9XTN
http://members.home.net/mconner1/nstar.html

618. RE: [tvnsp] Flight Analysis

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-15 20:19:59 UTC
From: K7JPS - John
Topic: 610 Message: 618

Thanks for all of the updates. I was back in Caldwell by 10:30 am Sunday morning, but had to be in McCall that afternoon for some meetings. It was a nice surprise to come home to all of these e-mails. Maybe it's a good thing I didn't have time to post any news of gloom and despair before I left.

John Stone
K7JPS
-----Original Message-----
From: Stephanie Steele [mailto:kc7dba@...]
Sent: Wednesday, August 15, 2001 09:59
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] Flight Analysis

Hi Jeff,

Thanks for the report. I felt that this would be the answer to the mystery. This could also help explain the episode with the missing capsules.

I was giving this situation some thought last night at work now that I can
think again! It would appear that during desent you would have a 30-35 mph
wind chill factor to figure with the ambient temperature. Assuming that at 85k
feet the temperature is 32 degrees, that would make the temperature 0-5 degrees
with the wind chill. I would suggest using the lithium batteries and placing a
chemical hand warmer pack into each capsule. They are lightweight and last for
several hours. I would suspect this would eliminate the need for the equipment
onboard to generate any heat. Just my $.02 worth!

Stephanie

619. Temps and Other Stuff

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-15 22:09:49 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 617 Message: 619

Normally we see temps as low as 30 degrees in the capsule. But this time it was much colder. It may have gotten colder because of the large opening around the camcorder lens.

I'll start looking around for rechargeable (and affordable?) lithium cells.

I'm making copies of the video and working on the flight data. I'll update the webpage shortly.

Cables in Nampa will embroider the t-shirts for $8.25. It includes a name, altitude, and flight designation. Other than that, your t-shirts are ready to pick up. Pay me if you haven't yet.

Paul

620. Re: [tvnsp] Flight Analysis

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-15 21:20:45 UTC
From: John Knapp
Topic: 610 Message: 620

Stephanie, the wild chill factor you refer to is a measurement of how cold the air will feel on human skin for a given air temperature and wind speed. Paul can probably give you a better definition than I can. It is not actual temperature and would not be a factor in lowering the temperature in the capsule. But I do agree with you on the idea of a hand warmer to keep the batteries warm. Good idea. One other thought: this was a night launch and didn't have any sun on it to help warm up the interior of the capsule. Would that be a factor for the cold temperatures? Has anyone else done a night launch like this?

Stephanie, thanks for the story around finding the balloon. If you need another career try story writing. I really enjoyed the description of the trip.....

Thanks again
JohnK - KD7HGS

--- Stephanie Steele <kc7dba@...> wrote:
> Hi Jeff,
>
> Thanks for the report. I felt that this would
> be the answer to the
> mystery. This could also help explain the episode
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> onboard to generate any heat. Just my $.02 worth!
>
> Stephanie
>

>
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> --
> Stephanie
>
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621. Re: [tvnsp] Flight Analysis

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-15 21:49:29 UTC
From: Stephanie Steele
Topic: 610 Message: 621

Hi John,

Thanks for the compliment. I really can sling a pretty good line of bs when I want to ;-)

I agree that "wind chill" in the normal sense is a description of "felt" cold on human skin. It also relates to how rapidly heat can be lost from any surface. Moving cold air cools faster than static cold air and therefore the reason for my using "wind chill" to describe the "enhanced cooling" of the capsule exteriors and therefore their interior. Of course we also did not have solar radiation to contribute whatever warming effect that it normally does (with the white nylon exteriors I suspect this effect is minimal but probably measurable). We also had less electronics onboard and of a type that were less likely to release heat into the capsule. I would still contend that heat loss from the capsule is accelerated by the movement of the cold upper atmosphere against the capsules. Likely not in the exact ratio as "wind chill" measurements but there is some effect. I would love to hear Paul's thoughts on this theory.

Stephanie

John Knapp wrote:

> Stephanie, the wild chill factor you refer to is a
> measurement of how cold the air will feel on human
> skin for a given air temperature and wind speed. Paul
> can probably give you a better definition than I can.
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> Stephanie, thanks for the story around finding the
> balloon. If you need another career try story writing.
> I really enjoyed the description of the trip.....
>
> Thanks again
> JohnK - KD7HGS
>
> --- Stephanie Steele <kc7dba@...> wrote:
> > Hi Jeff,
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> > Thanks for the report. I felt that this would
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> > Stephanie
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622. Re: [tvnsp] Temps and Other Stuff

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-15 21:50:47 UTC
From: Craig Brunson
Topic: 617 Message: 622

Watch out when trying to recharge lithiums. As far as I know, they are one shot batteries & NOT rechargeable. We just received a case of surplus 'D' cell packs. These have 10 D cells in each pack & we remove them for use in what ever configuration is needed. When we don't need as much power, we use 2/3 A cells. Also don't parallel lithiums to gain power. Their makeup will cause problems when paralleled.

We have used 2 D cells for 6v electronics, and added 2 2/3 A cells in series for 12v items. This kept weight down to a minimum.
Good luck

Craig
N7TSZ

----- Original Message -----
From: <verhap@...>
To: <tvnsp@yahoogroups.com>
Sent: Wednesday, August 15, 2001 3:09 PM
Subject: [tvnsp] Temps and Other Stuff

> Normally we see temps as low as 30 degrees in the capsule. But
> this time it was much colder. It may have gotten colder because of
> the large opening around the camcorder lens.
>
> I'll start looking around for rechargeable (and affordable?) lithium
> cells.
>
> I'm making copies of the video and working on the flight data. I'll
> update the webpage shortly.
>
> Cables in Nampa will embroider the t-shirts for $8.25. It includes a
> name, altitude, and flight designation. Other than that, your t-shirts
> are ready to pick up. Pay me if you haven't yet.
>
> Paul
>
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623. Re: [tvnsp] Temps and Other Stuff

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-16 02:41:44 UTC
From: Bill All, N3KKM
Topic: 617 Message: 623

Several observations from Near Space Balloon Group's flight data:
On out flight during GPSL2001 minimum inside capsule temperature during the ascent phase was 40 deg F at about 55,000 ft. On the descent phase the minimum inside temp reached 24 def F. Unfortunately our capsule lost telemetry, and the parachute, I might add, shortly after burst so I don't know at what altitude it reached 24 deg. These readings are consistent with other flights when we have recorded temperatures inside the capsule.

We came across some used laptop lithium-ion battery packs at a local computer show, and they contained some 3.8 volt ICR-18650 1250mah cells. Back in the early days of NSBG I successfully flew a 2 cell pack to power Paul's IHU board and Garmin GPS25 receiver. I stopped using them because I had no way of reliably recharging them. However, Maha's C777Plus battery charger will now specifically charge lithium-ion batteries. Additionally I was able to pick up a Sony FP-690 camcorder battery pack for about $100 and will be integrated into our new capsule now under construction. It's rated at 5400 mah.

It's been great reading your interesting posts.

Bill All - n3kkm
Near Space Balloon Group
http://www.kcnet.com/~n3kkm/nearspace.html

At 04:50 PM 8/15/2001, you wrote:
>Watch out when trying to recharge lithiums. As far as I know, they are one
>shot batteries & NOT rechargeable. We just received a case of surplus 'D'
>cell packs. These have 10 D cells in each pack & we remove them for use in
>what ever configuration is needed. When we don't need as much power, we use
>2/3 A cells. Also don't parallel lithiums to gain power. Their makeup will
>cause problems when paralleled.
>
>We have used 2 D cells for 6v electronics, and added 2 2/3 A cells in series
>for 12v items. This kept weight down to a minimum.
>Good luck
>
>Craig
>N7TSZ
>
>----- Original Message -----
>From: <verhap@...>
>To: <tvnsp@yahoogroups.com>
>Sent: Wednesday, August 15, 2001 3:09 PM
>Subject: [tvnsp] Temps and Other Stuff
>
>

> > Normally we see temps as low as 30 degrees in the capsule. But
> > this time it was much colder. It may have gotten colder because of
> > the large opening around the camcorder lens.
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> > Paul
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624. Heater test results

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-16 03:08:18 UTC
From: Mark Conner
Topic: 624 Message: 624

See the message and linked GIF at:
http://groups.yahoo.com/group/KNSP/message/1178

Note that the heater packs get quite hot (55C/131F) at sea level. They are still somewhat effective at 75,000 ft, in that they were still warmer than the ambient air in the capsule.

The packs I used are typically used in boots and gloves. They are porous to air and contain vermiculite, salt, and iron powder. When shaken and exposed to air, they heat up and give off a bit of water vapor as a result of the reaction.

- Mark

Mark D. Conner
E-mail: n9xtn@...
Homepage: http://members.home.net/mconner1
"Arrogance and stupidity, all in the same package.....how efficient of you!" - Ambassador Londo Mollari, Babylon 5

625. Other flight results?

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-16 05:16:25 UTC
From: Mike Garske
Topic: 625 Message: 625

Paul,

I didn't see the answer to the main reason we launched the balloon at night......did we get video of any meteors? Also, this is extremely far fetched, and we will never know the real answer, do you think the reason the balloon came down early could be a meteor strike? Just a wild thought......

The T-shirts...I would like to have my name on the t-shirt.

Mike KC7DPD

626. Re: [tvnsp] Other flight results?

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-16 06:00:59 UTC
From: Jeff Melanson
Topic: 625 Message: 626

Hi Mike and all,

No we did not get any meteor footage. When Paul and I tested the camera in our back yards we saw plenty of stars. We saw less stars on the flight. We believe it was because the camcorder was moving around to much. With our backyard tests we held the camera still. Meteors are moving very fast (8 to 26 miles per second) and we think the camcorder can't see them.
As I understand it most meteors are about the size of a grain of sand. They light up the sky at about 60 miles up. If we had made 100,000 feet we would have been about 20 miles up. What are the odds of a meteor surviving down to 85,000 ft and striking a small target? I suppose it could happen but it is more likely that the balloon had a defect in it. Even without meteors the video has some interesting footage. First there is the launch which shows Debbie crawling out of the building on her belly with a balloon. Then there is the crowd cheering and clapping as the capsule rose silently into the night sky. Next there is the sound of an airplane passing by in the distance(hopefully). Later you realize there is cloud cover when the stars begin to reveal themselves. We also get to see the moon rise. We see the city lights of Twin Falls and Burley off in the distance. Shall I go on? O.K. You can actually hear the balloon burst and the wild ride begins! On the way down we see a dark ghostly figure dance in front of the lens. The ghost is a large chunk of balloon hanging from the load line. But wait, where is the strobe light that's supposed to be attached to the balloon? As the capsules close in on the planet the strobe light begins to work. Ah-hah! The battery temperature dropped to much to operate the strobe! Thud! The capsule rolls and stops. The camcorder is facing upward but the sky is black. Cloud cover?

Jeff Melanson
KD7INN

Mike Garske wrote:
>
> Paul,
>
> I didn't see the answer to the main reason we launched the balloon at
> night......did we get video of any meteors? Also, this is extremely far
> fetched, and we will never know the real answer, do you think the reason the
> balloon came down early could be a meteor strike? Just a wild thought......
>
> The T-shirts...I would like to have my name on the t-shirt.
>
> Mike KC7DPD
>

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627. Re: [tvnsp] Temps and Other Stuff

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-16 06:08:11 UTC
From: Jeff Melanson
Topic: 617 Message: 627

Paul and all,

The camcorder was in the lower capsule all by itself. This capsule had a hole for the lens that was too large. The temperature sensor was in the upper capsule with the tracking equipment and seeds. There were T-shirts in both capsules.. The upper capsule had two small holes just large enough for BNC connectors to be passed inside the capsule from the antennas. The mylar was removed from the top cover to allow the GPS to pick up satellites. As Stephanie pointed out, the equipment does not generate much heat and we had no solar heating. I think it's safe to conclude that the combination of these things led to the problem. The rechargeables alkalines that Paul found will probably work well if we pay attention to insulation and holes.
The temperature graphs that Paul prints shows that the temperature drops significantly during descent. Then capsules are being stripped of heat as it falls through the atmosphere.

I discovered that the small black and white view finder on the camcorder has failed after this flight.

verhap@... wrote:
> Normally we see temps as low as 30 degrees in the capsule. But
> this time it was much colder. It may have gotten colder because of
> the large opening around the camcorder lens.
>
> I'll start looking around for rechargeable (and affordable?) lithium
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628. Re: [tvnsp] Other flight results? And Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-16 21:45:32 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 625 Message: 628

> I didn't see the answer to the main reason we launched the balloon at
> night......did we get video of any meteors?

The video shows a few stars and the moon, but no meteors. Next
time we'll fly an image intensifer.

> Also, this is extremely far
> fetched, and we will never know the real answer, do you think the reason the
> balloon came down early could be a meteor strike? Just a wild thought......

Most likely not. Meteors typically don't make it down that far.

> The T-shirts...I would like to have my name on the t-shirt.

Since the marker does such an awful job of writing on the t-shirt,
I'm going to leave the personalizing up to each shirt owner. They
can be embroidered for $8.25 in Nampa.

I need to get t-shirts out to every one. Can we hold a meeting on
Saturday, the 25th? We'll review the video, discuss the flight, talk
about Dfing, plan the next flight, and show Jeff's capsule (a work in
progress).

Paul

629. Re: [tvnsp] Other flight results?

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-16 21:47:30 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 625 Message: 629

> Even without meteors the video has some interesting footage. First
> there is the launch which shows Debbie crawling out of the building on
> her belly with a balloon. Then there is the crowd cheering and clapping
> as the capsule rose silently into the night sky. Next there is the sound
> of an airplane passing by in the distance(hopefully). Later you realize
> there is cloud cover when the stars begin to reveal themselves. We also
> get to see the moon rise. We see the city lights of Twin Falls and
> Burley off in the distance. Shall I go on? O.K. You can actually hear
> the balloon burst and the wild ride begins! On the way down we see a
> dark ghostly figure dance in front of the lens. The ghost is a large
> chunk of balloon hanging from the load line. But wait, where is the
> strobe light that's supposed to be attached to the balloon? As the
> capsules close in on the planet the strobe light begins to work. Ah-hah!
> The battery temperature dropped to much to operate the strobe! Thud! The
> capsule rolls and stops. The camcorder is facing upward but the sky is
> black. Cloud cover?

The flying saucer, you didn't mention the flying saucer.

Paul

630. Re: [tvnsp] Temps and Other Stuff

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-16 21:49:15 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 617 Message: 630

One thing that may have made it worst is that the t-shirts took the place of styrofoam peanuts. I imagine the shirts don't provide the insulation that peanuts do.

Paul

631. Re: [tvnsp] Other flight results? And Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-16 21:38:29 UTC
From: Stephanie Steele
Topic: 625 Message: 631

Sure, have another meeting when I can't come. See if I care!

verhap@... wrote:

> I need to get t-shirts out to every one. Can we hold a meeting on
> Saturday, the 25th? We'll review the video, discuss the flight, talk
> about Dfing, plan the next flight, and show Jeff's capsule (a work in
> progress).
>
> Paul
>

--
Stephanie

****

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https://www.paypal.com/refer/pal=kc7dba%40arrl.net

632. Re: [tvnsp] Other flight results? And Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-16 23:00:57 UTC
From: Mike Garske
Topic: 625 Message: 632

Paul and the group,

Can we have a meeting on a Monday or Tuesday night? If not, I will settle on Saturday and try to play hookie from work for a couple hours.....I won't mind!

So what was the final altitude of the flight?

Also, we did see an airplane pass what appeared to be very close to the balloon, that explains the airplane sounds on the video.

Mike KC7DPD

633. RE: [tvnsp] Other flight results? And Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-17 01:13:49 UTC
From: K7JPS - John
Topic: 625 Message: 633

If it's going to be Saturday the 25th the late afternoon/early evening works best for me. Or I would be agreeable to a week night if that works for everyone else.

John Stone
K7JPS
-----Original Message-----
From: Mike Garske [mailto:kc7dpd@...]
Sent: Thursday, August 16, 2001 17:01
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] Other flight results? And Meeting

Paul and the group,

Can we have a meeting on a Monday or Tuesday night? If not, I will settle on Saturday and try to play hookie from work for a couple hours.....I
won't mind!

So what was the final altitude of the flight?

Also, we did see an airplane pass what appeared to be very close to the balloon, that explains the airplane sounds on the video.

Mike KC7DPD

634. RE: [tvnsp] Other flight results? And Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-17 02:13:33 UTC
From: John Knapp
Topic: 625 Message: 634

Weeknight would be better for me - I will be out of
town Saturday-Sundy.

JohnK
KD7HGS
--- K7JPS - John <k7jps@...> wrote:
> If it's going to be Saturday the 25th the late
> afternoon/early evening works
> best for me. Or I would be agreeable to a week
> night if that works for
> everyone else.
>
> John Stone
> K7JPS
> -----Original Message-----
> From: Mike Garske [mailto:kc7dpd@...]
> Sent: Thursday, August 16, 2001 17:01
> To: tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] Other flight results? And
> Meeting
>
>
> Paul and the group,
>
> Can we have a meeting on a Monday or Tuesday
> night? If not, I will
> settle on Saturday and try to play hookie from
> work for a couple
> hours.....I
> won't mind!
>
> So what was the final altitude of the flight?
>
> Also, we did see an airplane pass what appeared to
> be very close to the
> balloon, that explains the airplane sounds on the
> video.
>
> Mike KC7DPD
>
>

_____
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http://phonecard.yahoo.com/

635. Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-17 02:41:09 UTC
From: Jeff Melanson
Topic: 23 Message: 635

Would this Monday night work? That would be the 20th.

Paul

636. TX/RX products for Basic Stamp

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-17 13:18:40 UTC
From: Mark Conner
Topic: 636 Message: 636

This may be a solution for communicating between two payloads on the same flight without any wires.....

- Mark

Message: 17
Date: Thu, 16 Aug 2001 22:52:32 -0700
From: "Ken Gracey" <kgracey@...>
Subject: Parallax Announces 17 new BASIC Stamp RF Products!

==========
Parallax and RF Digital announce 17 new
RF products for the BASIC Stamp, including
a $21 keychain transmitter and $69 receiver!
==========

Dear Stampers,

Parallax (www.parallaxinc.com) and RF Digital (www.rfdigital.com) introduce 17 new BASIC Stamp-compatible 433 MHz RF transmitters, receivers and transceivers! Remote data logging, bi-directional communication and robot control is easy with these modules. Transmission range is between 30 and 250 feet depending on the choice of module.

See the RF Selection Guide:

http://www.parallaxinc.com/html_files/products/RF_Mods/RF_comparison.asp

See the really neat $21 keychain transmitter and $69 switch-mode receiver:

http://www.parallaxinc.com/html_files/products/RF_Mods/28004-28005.asp

The RF modules vary by package type, antenna style and software.

The package type includes SIP modules, keychain format, AppMods (plug into our Board of Education, BASIC Stamp Activity Board, BASIC Stamp Super Carrier Board) and carrier boards which hold any BS2-style module. The antenna selections include built-in loops, solid 2-inch antennas and wire. The RF modules allow communication in switch mode (i.e., pin goes high on transmitter -- high on receiver) and with asynchronous serial communication using the Stamp's SEROUT command.

Initial supplies are limited, but availability of all products is guaranteed for backorder. Parallax honors a 14-day no questions asked money back guarantee and 90-day warranty for everything we sell.

Sincerely,

Ken Gracey, Parallax, Inc.
(916) 624-8333
Main web site: http://www.parallaxinc.com
Stamps in Class: http://www.stampsinclass.com

Mark D. Conner
E-mail: n9xtn@...
Homepage: http://members.home.net/mconner1
"Arrogance and stupidity, all in the same package.....how efficient
of you!" - Ambassador Londo Mollari, Babylon 5

637. Re: [tvnsp] Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-17 13:45:12 UTC
From: Stephanie Steele
Topic: 23 Message: 637

Monday is good by me!

Jeff Melanson wrote:

> Would this Monday night work? That would be the 20th.
>
> Paul
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

--
Stephanie

****

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638. Re: [tvnsp] Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-17 14:47:40 UTC
From: Mike Garske
Topic: 23 Message: 638

Monday, Monday.....I know, its an old song, am I right.....!!

KC7DPD

----- Original Message -----
From: "Stephanie Steele" <kc7dba@...>
To: <tvnsp@yahoogroups.com>
Sent: Friday, August 17, 2001 7:45 AM
Subject: Re: [tvnsp] Meeting

> Monday is good by me!
>
>
>
> Jeff Melanson wrote:
>
> > Would this Monday night work? That would be the 20th.
> >
> > Paul
> >
> > To unsubscribe from this group, send an email to:
> > tvnsp-unsubscribe@egroups.com
> >
> >
> >
> > Your use of Yahoo! Groups is subject to
http://docs.yahoo.com/info/terms/
>
> --
> Stephanie
>
> ********************************
>
> Send and receive money safely over the Internet by using PayPal. I use it
and
> highly recommend it as a safe and reliable means to conduct business. By
> using the link below we both will receive a $5 sign up bonus.
>
> https://www.paypal.com/refer/pal=kc7dba%40arrl.net
>
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>

>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
>

639. Re: [tvnsp] Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-17 15:34:24 UTC
From: John Knapp
Topic: 23 Message: 639

I have a previous commitment Monday night so will not
be able to make it.

JohnK
KD&HGS
--- Jeff Melanson <kd7inn@...> wrote:
> Would this Monday night work? That would be the
> 20th.
>
> Paul
>

_____
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http://phonecard.yahoo.com/

640. Re: [tvnsp] Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-18 03:18:59 UTC
From: Jeff Melanson
Topic: 23 Message: 640

Hi all,

Paul is reserving a spot for us at the Nampa Caldwell Idaho Pizza at 7 PM. He will bring the video from the last flight and another video from another balloon group. I will bring the capsules that Paul is helping me build. Stephanie, can you bring your quad antenna? I'd like to build one. I have Paul's antenna. Is yours the same?

Jeff Melanson
KD7INN

Stephanie Steele wrote:
>
> Monday is good by me!
>
> Jeff Melanson wrote:
>
> > Would this Monday night work? That would be the 20th.
> >
> > Paul
> >
> > To unsubscribe from this group, send an email to:
> > tvnsp-unsubscribe@egroups.com
> >
> >
> >
> > Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
> --
> Stephanie
>
> ********************************
>
> Send and receive money safely over the Internet by using PayPal. I use it and
> highly recommend it as a safe and reliable means to conduct business. By
> using the link below we both will receive a $5 sign up bonus.
>
> https://www.paypal.com/refer/pal=kc7dba%40arrl.net
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
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641. Re: [tvnsp] Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-18 13:24:46 UTC
From: Mike Garske
Topic: 23 Message: 641

Jeff,

Is the meeting Monday night?

Mike KC7DPD
----- Original Message -----
From: "Jeff Melanson" <kd7inn@...>
To: <tvnsp@yahoogroups.com>
Sent: Friday, August 17, 2001 9:18 PM
Subject: Re: [tvnsp] Meeting

> Hi all,
>
> Paul is reserving a spot for us at the Nampa Caldwell Idaho Pizza at 7
> PM. He will bring the video from the last flight and another video from
> another balloon group. I will bring the capsules that Paul is helping me
> build. Stephanie, can you bring your quad antenna? I'd like to build
> one. I have Paul's antenna. Is yours the same?
>
> Jeff Melanson
> KD7INN
>
> Stephanie Steele wrote:
> >
> > Monday is good by me!
> >
> > Jeff Melanson wrote:
> >
> > > Would this Monday night work? That would be the 20th.
> > >
> > > Paul
> > >
> > > To unsubscribe from this group, send an email to:
> > > tvnsp-unsubscribe@egroups.com
> > >
> > >
> > >
> > > Your use of Yahoo! Groups is subject to
http://docs.yahoo.com/info/terms/
> >
> > --
> > Stephanie
> >
> > ********************************
> >
> > Send and receive money safely over the Internet by using PayPal. I use

it and
> > highly recommend it as a safe and reliable means to conduct business. By
> > using the link below we both will receive a $5 sign up bonus.
> >
> > https://www.paypal.com/refer/pal=kc7dba%40arrl.net
> >
> > To unsubscribe from this group, send an email to:
> > tvnsp-unsubscribe@egroups.com
> >
> >
> >
> > Your use of Yahoo! Groups is subject to
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> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
>

642. Payload Engineering Information

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-19 00:13:24 UTC
From: mgray@ess-us.com
Topic: 642 Message: 642

For those interested in the engineering details on the payload and camera control packages flown on ANSR-1 and ANSR-2 (Arizona Near Space Research), I've included a link to my web site. The web site includes details about the packaging, hardware design, schematics, source code, and lessons learned. The payload computer utilizes a Microcontroller with 256K of flash memory and 512K of SRAM, integrated TNC, 16-bit ADC for analog telemetry, GPS receiver, and Bluetooth for a wireless network.

http://www.ess-us.com/kd7lmo

643. Re: [tvnsp] Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-19 02:25:19 UTC
From: Randy Farley
Topic: 23 Message: 643

Monday will work for me.

Mike Garske wrote:

Monday, Monday.....I know, its an old song, am I right.....!!

Yes Mike it was the Mama's and Papa's. My age is showing <:)

> KC7DPD
>
> ----- Original Message -----
> From: "Stephanie Steele" <kc7dba@...>
> To: <tvnsp@yahoogroups.com>
> Sent: Friday, August 17, 2001 7:45 AM
> Subject: Re: [tvnsp] Meeting
>
> > Monday is good by me!
> >
> >
> >
> > Jeff Melanson wrote:
> >
> > > Would this Monday night work? That would be the 20th.
> > >
> > > Paul
> > >
> > > To unsubscribe from this group, send an email to:
> > > tvnsp-unsubscribe@egroups.com
> > >
> > >
> > >
> > > Your use of Yahoo! Groups is subject to
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> >
> > --
> > Stephanie
> >
> > ******************************
> >
> > Send and receive money safely over the Internet by using PayPal. I use it
> and
> > highly recommend it as a safe and reliable means to conduct business. By
> > using the link below we both will receive a $5 sign up bonus.
> >
> > https://www.paypal.com/refer/pal=kc7dba%40arrl.net
> >

> >
> >
> > To unsubscribe from this group, send an email to:
> > tvnsp-unsubscribe@egroups.com
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>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

--
Regards,
Randy Farley
N7GPS -Ham Call-
My Home at: http://map.findu.com/n7gps
Find my pickup at: http://map.findu.com/n7gps-9
Also see daily weather radar reports for my positions at:
(scroll to bottom of page)
http://www.findu.com/cgi-bin/find.cgi?call=n7gps&radar=CBX

644. Meeting is Monday night at 7 PM

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-19 18:14:54 UTC
From: Jeff Melanson
Topic: 644 Message: 644

Yes, the meeting is Monday night.

Mike Garske wrote:
>
> Jeff,
>
> Is the meeting Monday night?
>
> Mike KC7DPD
> ----- Original Message -----
> From: "Jeff Melanson" <kd7inn@...>
> To: <tvnsp@yahoogroups.com>
> Sent: Friday, August 17, 2001 9:18 PM
> Subject: Re: [tvnsp] Meeting
>
> > Hi all,
> >
> > Paul is reserving a spot for us at the Nampa Caldwell Idaho Pizza at 7
> > PM. He will bring the video from the last flight and another video from
> > another balloon group. I will bring the capsules that Paul is helping me
> > build. Stephanie, can you bring your quad antenna? I'd like to build
> > one. I have Paul's antenna. Is yours the same?
> >
> > Jeff Melanson
> > KD7INN
> >
> > Stephanie Steele wrote:
> > >
> > > Monday is good by me!
> > >
> > > Jeff Melanson wrote:
> > >
> > > > Would this Monday night work? That would be the 20th.
> > > >
> > > > Paul
> > > >
> > > > To unsubscribe from this group, send an email to:
> > > > tvnsp-unsubscribe@egroups.com
> > > >
> > > >
> > > >
> > > > Your use of Yahoo! Groups is subject to
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> > >
> > > --

> > > Stephanie
> > >
> > > ******************************
> > >
> > > Send and receive money safely over the Internet by using PayPal. I use
> it and
> > > highly recommend it as a safe and reliable means to conduct business. By
> > > using the link below we both will receive a $5 sign up bonus.
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> > > https://www.paypal.com/refer/pal=kc7dba%40arrl.net
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>
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645. Re: [tvnsp] Meeting is Monday night at 7 PM

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-19 18:19:01 UTC
From: Stephanie Steele
Topic: 644 Message: 645

Jeff,

Do you want me to bring my quad antenna or my fox hunting antenna's? I don't use the quad for fox hunting as it has too much capture area. Or, I'll just bring them all for show and tell as you wish. I'll also bring my attenuator and other equipment if you want just say the word.

Stephanie

Jeff Melanson wrote:

> Yes, the meeting is Monday night.
>
> Mike Garske wrote:
> >
> > Jeff,
> >
> > Is the meeting Monday night?
> >
> > Mike KC7DPD
> > ----- Original Message -----
> > From: "Jeff Melanson" <kd7inn@...>
> > To: <tvnsp@yahoogroups.com>
> > Sent: Friday, August 17, 2001 9:18 PM
> > Subject: Re: [tvnsp] Meeting
> >
> > > Hi all,
> > >
> > > Paul is reserving a spot for us at the Nampa Caldwell Idaho Pizza at 7
> > > PM. He will bring the video from the last flight and another video from
> > > another balloon group. I will bring the capsules that Paul is helping me
> > > build. Stephanie, can you bring your quad antenna? I'd like to build
> > > one. I have Paul's antenna. Is yours the same?
> > >
> > > Jeff Melanson
> > > KD7INN
> > >
> > > Stephanie Steele wrote:
> > > >
> > > > Monday is good by me!
> > > >
> > > > Jeff Melanson wrote:
> > > >
> > > > > Would this Monday night work? That would be the 20th.
> > > > >
> > > > > Paul

> > > > >
> > > > > To unsubscribe from this group, send an email to:
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> > > > > >
> > > > > >
> > > > > >
> > > > > Your use of Yahoo! Groups is subject to
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> > > > >
> > > > > --
> > > > > Stephanie
> > > > >
> > > > > ********************************
> > > > >
> > > > > Send and receive money safely over the Internet by using PayPal. I use
> > it and
> > > > > highly recommend it as a safe and reliable means to conduct business. By
> > > > > using the link below we both will receive a $5 sign up bonus.
> > > > >
> > > > > https://www.paypal.com/refer/pal=kc7dba%40arrl.net
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> > >
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> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>

>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

--
Stephanie

****

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https://www.paypal.com/refer/pal=kc7dba%40arrl.net

646. Re: [tvnsp] Meeting is Monday night at 7 PM

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-21 05:22:32 UTC
From: Stephanie Steele
Topic: 644 Message: 646

For those who were asking at the meeting tonight, and those who weren't, here are the url's for the arrow antenna and attenuator I brought for show and tell. They apparantly do not make the 'walking stick' antenna any longer but have instead gone for a break down back packer style which should work just as well. It is available in both three and four element styles.

http://hometown.aol.com/Arrow146/index.html

--
Stephanie

****

Send and receive money safely over the Internet by using PayPal. I use it and highly recommend it as a safe and reliable means to conduct business. By using the link below we both will receive a $5 sign up bonus.

https://www.paypal.com/refer/pal=kc7dba%40arrl.net

647. Twin Falls Pics

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-21 05:58:30 UTC
From: Mike Garske
Topic: 647 Message: 647

Everyone,

I loaded the pictures from the Twin Falls night launch onto the Yahoo TVNSP website....enjoy! They are not too big, so they won't take long to download.....

Mike KC7DPD

648. Re: [tvnsp] Twin Falls Pics

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-22 00:33:09 UTC
From: Russell Dunn
Topic: 647 Message: 648

Mike

And the super secret web address would be........

Russ
N7SMA
----- Original Message -----
From: Mike Garske
To: tvnsp@yahoogroups.com
Sent: Monday, August 20, 2001 11:58 PM
Subject: [tvnsp] Twin Falls Pics

Everyone,

I loaded the pictures from the Twin Falls night launch onto the Yahoo TVNSP website....enjoy! They are not too big, so they won't take long to download.....

Mike KC7DPD

649. Re: [tvnsp] Twin Falls Pics

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-22 03:25:55 UTC
From: Mike Garske
Topic: 647 Message: 649

Its on the yahoo website where we signed up for the list here....the URL for the pics is:

http://photos.groups.yahoo.com/group/tvnsp/lst

Mike KC7DPD
----- Original Message -----
From: Russell Dunn
To: tvnsp@yahoogroups.com
Sent: Tuesday, August 21, 2001 6:33 PM
Subject: Re: [tvnsp] Twin Falls Pics

Mike

And the super secret web address would be........

Russ
N7SMA
----- Original Message -----
From: Mike Garske
To: tvnsp@yahoogroups.com
Sent: Monday, August 20, 2001 11:58 PM
Subject: [tvnsp] Twin Falls Pics

Everyone,

I loaded the pictures from the Twin Falls night launch onto the Yahoo TVNSP
website....enjoy! They are not too big, so they won't take long to download.....

Mike KC7DPD

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650. SAR

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-25 22:07:11 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 650 Message: 650

On Sunday, John and I will make a search for the lost capsule by air. We'll have a GPS to lock in its position, if we see it. Then next week we can drive out to the capsule.

Paul

651. Re: [tvnsp] SAR

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-25 18:58:40 UTC
From: Rick Widmer
Topic: 650 Message: 651

If you wish, you can send me the position if you find it, and I will try to recover it Monday. I don't mind a little 4-wheeling, and this would be for a good cause. If I get it you could pick it up in Twin Falls/Kimberly or maybe I can run it up there. I may have to go as far as Mountain Home early next week anyway.

Rick

verhap@... wrote:
>
> On Sunday, John and I will make a search for the lost capsule by
> air. We'll have a GPS to lock in its position, if we see it. Then
> next week we can drive out to the capsule.
>
> Paul
>
>
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>
>
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652. Re: [tvnsp] SAR

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-25 21:52:59 UTC
From: Stephanie Steele
Topic: 650 Message: 652

I'd be happy to loan you my D7A & GPS so you can beacon your search pattern for the record if you are interested. One of you would have to come and get it as I am working tonight.

Stephanie

verhap@... wrote:

> On Sunday, John and I will make a search for the lost capsule by
> air. We'll have a GPS to lock in its position, if we see it. Then
> next week we can drive out to the capsule.
>
> Paul
>
>
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--
Stephanie

****

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653. RE: [tvnsp] SAR

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-25 22:09:58 UTC
From: K7JPS - John
Topic: 650 Message: 653

I'll have my D7A and GPS with me, so I probably will be able to beacon the search. Now it the airplane just had a 2m antenna, I might be able to be heard.
-----Original Message-----
From: Stephanie Steele [mailto:kc7dba@...]
Sent: Saturday, August 25, 2001 15:53
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] SAR

I'd be happy to loan you my D7A & GPS so you can beacon your search pattern
for the record if you are interested. One of you would have to come and get
it as I am working tonight.

Stephanie

verhap@... wrote:

> On Sunday, John and I will make a search for the lost capsule by
> air. We'll have a GPS to lock in its position, if we see it. Then
> next week we can drive out to the capsule.
>
> Paul
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
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--
Stephanie

****

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654. Re: [tvnsp] SAR

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-25 22:20:54 UTC
From: Jeff Melanson
Topic: 650 Message: 654

I believe your flight starts at about 6:30 AM from Nampa airport. I may watch for your signal.

Jeff
KD7INN

> K7JPS - John wrote:
>
> I'll have my D7A and GPS with me, so I probably will be able to beacon
> the search. Now it the airplane just had a 2m antenna, I might be able
> to be heard.
>
> -----Original Message-----
> From: Stephanie Steele [mailto:kc7dba@...]
> Sent: Saturday, August 25, 2001 15:53
> To: tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] SAR
>
> I'd be happy to loan you my D7A & GPS so you can beacon your
> search pattern
> for the record if you are interested. One of you would have
> to come and get
> it as I am working tonight.
>
> Stephanie
>
> verhap@... wrote:
>
> > On Sunday, John and I will make a search for the lost
> capsule by
> > air. We'll have a GPS to lock in its position, if we see
> it. Then
> > next week we can drive out to the capsule.
> >
> > Paul
> >
> >
> > To unsubscribe from this group, send an email to:
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> >
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> --
> Stephanie
>
> ******************************
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655. Re: [tvnsp] SAR

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-26 00:03:44 UTC
From: Stephanie Steele
Topic: 650 Message: 655

I'll be surprised if you are not heard very well. With Cinnabar and Harrison I suspect you'll be heard well. I think transmitting your ground track will be valuable to analyize if any areas happen to be missed or if a second search is needed. Good luck!

Stephanie

K7JPS - John wrote:

> I'll have my D7A and GPS with me, so I probably will be able to
> beacon the search. Now it the airplane just had a 2m antenna, I might
> be able to be heard.
>
> -----Original Message-----
> From: Stephanie Steele [mailto:kc7dba@...]
> Sent: Saturday, August 25, 2001 15:53
> To: tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] SAR
>
> I'd be happy to loan you my D7A & GPS so you can beacon your
> search pattern
> for the record if you are interested. One of you would have
> to come and get
> it as I am working tonight.
>
> Stephanie
>
>
> verhap@... wrote:
>
> > On Sunday, John and I will make a search for the lost
> capsule by
> > air. We'll have a GPS to lock in its position, if we see
> it. Then
> > next week we can drive out to the capsule.
> >
> > Paul
> >
> >
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>
> --
> Stephanie
>
> ******************************
>
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> using the link below we both will receive a $5 sign up
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--
Stephanie

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656. Re: [tvnsp] SAR

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-26 03:52:18 UTC
From: Tim Rynearson
Topic: 650 Message: 656

tape an antenna to the inside of a back window...

Tim, N7UBO....

-------Original Message-------

From:Stephanie Steele
Date: Saturday, August 25, 2001 05:54:46 PM
To:tvnsp@yahoogroups.com
Subject: Re: [tvnsp] SAR

I'll be surprised if you are not heard very well. With Cinnabar and
Harrison I suspect you'll be heard well. I think transmitting your
ground track will be valuable to analyize if any areas happen to be
missed or if a second search is needed. Good luck!

Stephanie

K7JPS - John wrote:

> I'll have my D7A and GPS with me, so I probably will be able to
> beacon the search. Now it the airplane just had a 2m antenna, I might
> be able to be heard.
>
> -----Original Message-----
> From: Stephanie Steele [mailto:kc7dba@...]
> Sent: Saturday, August 25, 2001 15:53
> To: tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] SAR
>
> I'd be happy to loan you my D7A & GPS so you can beacon your
> search pattern
> for the record if you are interested. One of you would have
> to come and get
> it as I am working tonight.
>
> Stephanie
>
>
> verhap@... wrote:
>
> > On Sunday, John and I will make a search for the lost
> capsule by
> > air. We'll have a GPS to lock in its position, if we see
> it. Then
> > next week we can drive out to the capsule.
> >

> > Paul
> >
> >
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> --
> Stephanie
>
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Stephanie

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657. Fw: [KNSP] HamBONE-LD2 tonight?

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-26 16:49:16 UTC
From: Ralph Wallio, W0RPK
Topic: 657 Message: 657

```
----- Original Message -----
From: Pierre Thomson <pthomson@...>
To: <knsp@yahoogroups.com>
Cc: <balloon-sked@yahoogroups.com>
Sent: Sunday, August 26, 2001 11:25 AM
Subject: [KNSP] HamBONE-LD2 tonight?

> Hello,
>
> Depending on the surface winds and weather, we MAY launch our second
> long-duration flight this evening. The local forecast calls for 10-15 mph
> winds from the south, and 50% chance of showers. Any rain will scrub the
> mission, and too much wind will too.
>
> Watch this space for updates. Downlink will again be on 28.212 MHz CW.
>
> 73
> Pierre Thomson
> HamBONE balloon group
> Rifton, NY 12471
> http://frodo.bruderhof.com/hambone/
>
>
> To unsubscribe from this group, send an email to:
> KNSP-unsubscribe@yahoogroups.com
>
> List owner: KNSP-owner@yahoogroups.com
> Group URL: http://groups.yahoo.com/group/KNSP
>
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>
```

658. Recent web page additions that may be of interest

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-26 16:58:46 UTC
From: Ralph Wallio, W0RPK
Topic: 658 Message: 658

A few recent additions to http://users.crosspaths.net/~wallio/ that may be
of interest to Amateur High Altitude Balloonists:

AX.25 Packet Radio AFSK on FM
Bit, Packet and Data Set Error Rates
http://users.crosspaths.net/~wallio/ber.html

CALCULATING SYSTEM NOISE TEMPERATURE
IN WEAK SIGNAL RECEIVING SYSTEMS
http://users.crosspaths.net/~wallio/noise.html

COMMUNICATIONS RANGE vs.
PAYLOAD ALTITUDE and DISTANCE
http://users.crosspaths.net/~wallio/altvdist.html

HIGH ALTITUDE BALLOON LINE-OF-SIGHT
RADIO COMMUNICATION LINK BUDGET
http://users.crosspaths.net/~wallio/LINKbudg.html

TNX es 73 de Ralph Wallio, W0RPK
http://users.crosspaths.net/~wallio
Where entropy is AOK with nominal anomalies

659. New Controller and Camera

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-27 23:30:31 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 659 Message: 659

I've interfaced a MIM module to a Basic Stamp. Now the Basic Stamp can send telemetry over the MIM (the MIM is a one way TNC). That's the heart of my newly designed balloon controller. I need to test one more modification and then I'll be ready to send a blank board to Bob and Leonard. To the new board (CC/PS) you'll interface an Etrex GPS and radio. You need to add the following item to the board, itself,

Serial Servo Controller (SSCII, by seetron.com)
MIM Module (aprs.com?)
ULN2803
LM2940T-5
MAX-186 (maxim-ic.com)
BS-2P (parallaxinc.com)

The MIM is programmed once. The BS-2P is programmed before each flight. With the board you'll be able to digitize 8 different voltages, report on capsule status, operate 8 servos, operate 8 high power devices, report on 8 switch settings, and still have 8 expansion ports for operating cameras, etc.

Speaking of cameras, Bill, I'm getting ready to modify the Cannon ELPH. I opened up the camera and found the four solder points for the switch. After testing the front two appear to be for operating the shutter, but if I short them out, nothing happens. What do I have to do with the two back solder points?

Thanks,
Paul

660. Re: [tvnsp] New Controller and Camera

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-28 03:42:33 UTC
From: Jeff Melanson
Topic: 659 Message: 660

Hi Paul and John,

I have had the privilege of listening to Steve Strom's (pilot) description of your adventure. He told me about landing at the Bear trap airstrip to change two fouled plugs and about the difficult takeoff. A short rough dirt strip on a hot day with two passengers. He said he felt the air search was an effective way to look for the balloon even though you didn't find it and that he learned a lot about air searches. He also said that Paul was looking a little air sick. I guess it was a little turbulent. Do you think you would have seen the balloon if it was there?

Jeff Melanson
KD7INN

verhap@... wrote:
>
> I've interfaced a MIM module to a Basic Stamp. Now the Basic
> Stamp can send telemetry over the MIM (the MIM is a one way
> TNC). That's the heart of my newly designed balloon controller. I
> need to test one more modification and then I'll be ready to send a
> blank board to Bob and Leonard. To the new board (CC/PS) you'll
> interface an Etrex GPS and radio. You need to add the following
> item to the board, itself,
>
> Serial Servo Controller (SSCII, by seetron.com)
> MIM Module (aprs.com?)
> ULN2803
> LM2940T-5
> MAX-186 (maxim-ic.com)
> BS-2P (parallaxinc.com)
>
> The MIM is programmed once. The BS-2P is programmed before
> each flight. With the board you'll be able to digitize 8 different
> voltages, report on capsule status, operate 8 servos, operate 8 high
> power devices, report on 8 switch settings, and still have 8
> expansion ports for operating cameras, etc.
>
> Speaking of cameras, Bill, I'm getting ready to modify the Cannon
> ELPH. I opened up the camera and found the four solder points for
> the switch. After testing the front two appear to be for operating
> the shutter, but if I short them out, nothing happens. What do I
> have to do with the two back solder points?
>
> Thanks,
> Paul
>

>
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661. Re: [tvnsp] New Controller and Camera

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-28 03:51:00 UTC
From: John Knapp
Topic: 659 Message: 661

I was wondering what the result of the search.
Apparently there were some issues with the plane and
you were not able to find the ballon.

Is this correct? I really would like to know what
happened.

John Knapp

--- Jeff Melanson <kd7inn@...> wrote:
> Hi Paul and John,
>
> I have had the privilege of listening to Steve
> Strom's (pilot)
> description of your adventure. He told me about
> landing at the Bear trap
> airstrip to change two fouled plugs and about the
> difficult takeoff. A
> short rough dirt strip on a hot day with two
> passengers. He said he felt
> the air search was an effective way to look for the
> balloon even though
> you didn't find it and that he learned a lot about
> air searches. He also
> said that Paul was looking a little air sick. I
> guess it was a little
> turbulent. Do you think you would have seen the
> balloon if it was there?
>
> Jeff Melanson
> KD7INN
>
> verhap@... wrote:
> >
> > I've interfaced a MIM module to a Basic Stamp.
> Now the Basic
> > Stamp can send telemetry over the MIM (the MIM is
> a one way
> > TNC). That's the heart of my newly designed
> balloon controller. I
> > need to test one more modification and then I'll
> be ready to send a
> > blank board to Bob and Leonard. To the new board
> (CC/PS) you'll
> > interface an Etrex GPS and radio. You need to add
> the following

> > item to the board, itself,
> >
> > Serial Servo Controller (SSCII, by seetron.com)
> > MIM Module (aprs.com?)
> > ULN2803
> > LM2940T-5
> > MAX-186 (maxim-ic.com)
> > BS-2P (parallaxinc.com)
> >
> > The MIM is programmed once. The BS-2P is
> programmed before
> > each flight. With the board you'll be able to
> digitize 8 different
> > voltages, report on capsule status, operate 8
> servos, operate 8 high
> > power devices, report on 8 switch settings, and
> still have 8
> > expansion ports for operating cameras, etc.
> >
> > Speaking of cameras, Bill, I'm getting ready to
> modify the Cannon
> > ELPH. I opened up the camera and found the four
> solder points for
> > the switch. After testing the front two appear to
> be for operating
> > the shutter, but if I short them out, nothing
> happens. What do I
> > have to do with the two back solder points?
> >
> > Thanks,
> > Paul
> >
> >
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662. Re: [tvnsp] New Controller and Camera

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-28 06:55:24 UTC
From: Bill All, N3KKM
Topic: 659 Message: 662

>
>Speaking of cameras, Bill, I'm getting ready to modify the Cannon
>ELPH. I opened up the camera and found the four solder points for
>the switch. After testing the front two appear to be for operating
>the shutter, but if I short them out, nothing happens. What do I
>have to do with the two back solder points?
>
>Thanks,
>Paul
One of the back solder points is ground. I think it was the one closest to the end of the camera. One of the two front points operates the focusing mechanism and the other actually trips the shutter. I tied the two wires coming from the front of the switch together and took them to one contact of a relay. The ground wire went to the other contact of the relay. The relay operates and shorts the 2 front points to ground. The camera goes through the focusing procedure then trips the shutter with one operation of the relay.
Does that help?
Bill

663. Re: [tvnsp] New Controller and Camera

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-28 14:35:40 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 659 Message: 663

> One of the back solder points is ground. I think it was the one closest to
> the end of the camera. One of the two front points operates the focusing
> mechanism and the other actually trips the shutter. I tied the two wires
> coming from the front of the switch together and took them to one contact
> of a relay. The ground wire went to the other contact of the relay. The
> relay operates and shorts the 2 front points to ground. The camera goes
> through the focusing procedure then trips the shutter with one operation of
> the relay.
> Does that help?

That should do it. I'll try soldering it up and let you know.

Thanks,
Paul

664. Sunday's Flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-28 14:42:33 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 664 Message: 664

John, can you print out a map of our flight path? I'd like to see if we missed something.

The search seemed to go well, until after we left Bear Cave. At that point the turbulence picked up. I'm beginning to wonder if we have mispredicted the balloon's landing site.

Paul

665. TV01E

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-28 19:19:47 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 665 Message: 665
Attachments: 2 described; binary payloads are missing from this source WARC

John Stone, can you email to the group the winds aloft report for the morning of the flight? Also, can you include the predicted landing points and the flight we took?

I can't update the webpages yet because of the campus firewall. Tomorrow I'll meet with IT and try to striaghten that out.

I'm including with this message the flight log.

Paul

666. Re: [tvnsp] TV01E

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-28 20:57:31 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 665 Message: 666

> Your flight log (TV01E.TXT) comes through with several records per line.
> Can you send me a copy that has one record per line?

I'll edit the records and resend them.

> What balloon type? What was total payload weight? What was your predicted
> burst altitude?

The balloon was a 1200 gram Kaymont. weight was about 14
pounds with 'chute. I'm predicting an 80,000 foot flight.

Paul

667. Re: [tvnsp] TV01E

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-28 21:01:25 UTC
From: Ralph Wallio, W0RPK
Topic: 665 Message: 667

If you don't have a record/line file use your time for something constructive. I will edit the file at this end

r

668. Status, 29 Aug

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-29 19:42:23 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 668 Message: 668

My new balloon controller (CC/PS) is ready to be tested. John,
can I arrange a time to meet with you? I'd like to power it up near
your Kenwood and see how it intreprets the data. There's an * in
the APRS data that I won't be able to get rid of.

For the next flight, we'll use Jeff's tracker. I'll add my CC/PS so we
can operate a camera and the dropper. It will also send telemetry,
but not GPS data at this time.

I modified a Cannon ELPH as Bill All suggested for computer
control. I'll get it set up for the next flight. I still have to start on
the Teddy Bear.

Paul

669. Re: [tvnsp] Status, 29 Aug

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-29 21:19:46 UTC
From: Stephanie Steele
Topic: 668 Message: 669

Hi Paul,

Can you elaborate on where the "*" is in the APRS data. Also, are you going to bring your new controller for show and tell at the Summer gathering? Inquiring minds you know.....

Stephanie

verhap@... wrote:

> My new balloon controller (CC/PS) is ready to be tested. John,
> can I arrange a time to meet with you? I'd like to power it up near
> your Kenwood and see how it intreprets the data. There's an * in
> the APRS data that I won't be able to get rid of.
>
> For the next flight, we'll use Jeff's tracker. I'll add my CC/PS so we
> can operate a camera and the dropper. It will also send telemetry,
> but not GPS data at this time.
>
> I modified a Cannon ELPH as Bill All suggested for computer
> control. I'll get it set up for the next flight. I still have to start on
> the Teddy Bear.
>
> Paul
>
>
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Stephanie

****

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670. Re: [tvnsp] Status, 29 Aug

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-29 23:53:38 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 668 Message: 670

> Can you elaborate on where the "*" is in the APRS data. Also, are you going to
> bring your new controller for show and tell at the Summer gathering? Inquiring
> minds you know.....

The MIM module I'm using prefixes all data with an *. It assumes
what it is sending is a nmea sentence. The problem occurs
because I'm tricking the MIM into sending all data it recieves.

I can add spaces before my text, so what gets sent is,

* /123456z/4412.34N.....etc

If APRS will ignore a lone *, then this should be fine.

I plan to show the CC/PS at the summer conference. I have yet to
recieve confirmation that I'll be speaking, however. I asked in email
an hour ago.

Paul

671. Re: TV01E

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-30 03:54:54 UTC
From: Stone John
Topic: 665 Message: 671
Attachments: 1 described; binary payloads are missing from this source WARC

My apologies for the 223K jpeg file but I thought that it would be of interest. It is a close-up of the aerial search that Paul and I conducted on 8/26 with Pilot Steve Strom. The triangles are the predicted landing sites based on varying burst altitudes. The area is from Bear Trap landing strip to Mosby Butte.

For those that did not hear how the search went. We left Nampa at about 7:30 Sunday morning. It took about 1:30 for us to reach Bear Trap from there we began searching the area at 500' - 700' above the terrain. We were able to pick out antelope, 8 x 12 corrugated tin shelters, and individual sage brush bushes on the ground. I even saw one National Park service yellow and brown sign, though I could not read it. We are sure that if we had flown over the balloon we would have seen it. On our fourth pass over the area, the plane developed engine problems and it was determined that we should make a cautionary landing a Bear Trap. After allowing the engine to cool, Steve pulled a couple of spark plugs. The gap on the first one he pulled had been bridged so there was no spark. Fortunately he had some new spark plugs with him, so after changing them out and doing a run-up to make sure the engine was performing well again we took off. We made two more passes over the area before the turbulence got to be to much for Paul and the fuel was getting too low for Steve so we headed home.

I have uploaded 4 files to the files section of our group area. They are the Boise winds at launch time, and a modified file that uses the wind data collected from the balloon until we lost contact at 35,275'. The third file is a Lat/Long file of our predicted landing sites that can be imported to Street Atlas after the descriptions have been deleted. The last file is a Street Atlas file of the track we flew on our search.

John Stone
K7JPS

<<Search pattern Aug 26.jpg>>

--- In tvnsp@y..., verhap@o... wrote:
> John Stone, can you email to the group the winds aloft report for
> the morning of the flight? Also, can you include the predicted
> landing points and the flight we took?
>
> I can't update the webpages yet because of the campus firewall.
> Tomorrow I'll meet with IT and try to striaghten that out.
>
> I'm including with this message the flight log.
>
> Paul

>

672. Re: [tvnsp] Status, 29 Aug

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-30 05:56:07 UTC
From: Stephanie Steele
Topic: 668 Message: 672

During my last contact with Dave Dobbins, he advised that you were definitely on the menu. The entire summer gathering format will likely be a little different this year with less seminar time and more show & tell and tech table time. I understood that they are anxious to have you do a presentation.

Stephanie

verhap@... wrote:

> > Can you elaborate on where the "*" is in the APRS data. Also, are you going to
> > bring your new controller for show and tell at the Summer gathering? Inquiring
> > minds you know.....
>
> The MIM module I'm using prefixes all data with an *. It assumes
> what it is sending is a nmea sentence. The problem occurs
> because I'm tricking the MIM into sending all data it recieves.
>
> I can add spaces before my text, so what gets sent is,
>
> * /123456z/4412.34N.....etc
>
> If APRS will ignore a lone *, then this should be fine.
>
> I plan to show the CC/PS at the summer conference. I have yet to
> recieve confirmation that I'll be speaking, however. I asked in email
> an hour ago.
>
> Paul
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

--
Stephanie

****

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673. (Fwd) SAR, pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-30 17:14:04 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 673 Message: 673

Ralph Wallio performed an analysis on the TV01E flight and came up with a new prediction. It's about 13 miles ENE of Mosby Butte. Would anyone be interested in doing another search?

Jeff, I need to meet with you this weekend and give a check for Steve..

John Stone, can I meet with you and run an APRS test on my new board? It's programmed to indicate a location at the Expo Center.

Paul

674. Re: [tvnsp] (Fwd) SAR, pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-30 17:29:59 UTC
From: Stephanie Steele
Topic: 673 Message: 674

RU talking about ground or air search? I am game for either or helping with either.

Stephanie

verhap@... wrote:

> Ralph Wallio performed an analysis on the TV01E flight and came
> up with a new prediction. It's about 13 miles ENE of Mosby Butte.
> Would anyone be interested in doing another search?
>
> Jeff, I need to meet with you this weekend and give a check for
> Steve..
>
> John Stone, can I meet with you and run an APRS test on my new
> board? It's programmed to indicate a location at the Expo Center.
>
> Paul
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

--
Stephanie

****

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https://www.paypal.com/refer/pal=kc7dba%40arrl.net

675. Re: [tvnsp] (Fwd) SAR, pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-30 19:14:15 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 673 Message: 675

Either one, but I can't afford another air search.

> RU talking about ground or air search? I am game for either or helping with
> either.

Paul

676. Re: [tvnsp] Status, 29 Aug

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-30 19:08:15 UTC
From: Conner, Mark
Topic: 668 Message: 676

The APRS format spec is at
ftp://ftp.tapr.org/aprssig/aprsspec/spec/aprs101m/APRS101m.pdf

A separate e-mail from Paul corrected the * to a $. If the first
character is a $, APRS expects a GPS string. Even if the Kenwood
decodes it correctly, other APRS programs may not as it's not in the
spec. For post-analysis of experiment data having unusual formats is
OK, but I would encourage strict following of the spec for position
reports so that the locations are displayed correctly on all APRS
programs.

Also, if time is in hours/minutes/seconds, the character afterwards
should be 'h' (e.g., a time of 12 hrs 34 mins 56 secs UTC would be
123456h in the APRS output).

73 de Mark N9XTN

----- Original Message -----
From: verhap@...
Date: Thursday, August 30, 2001 1:19 pm
Subject: Re: [tvnsp] Status, 29 Aug

> > Can you elaborate on where the "*" is in the APRS data. Also,
> are you going to
> > bring your new controller for show and tell at the Summer
> gathering? Inquiring
> > minds you know.....
>
> The MIM module I'm using prefixes all data with an *. It assumes
> what it is sending is a nmea sentence. The problem occurs
> because I'm tricking the MIM into sending all data it recieves.
>
> I can add spaces before my text, so what gets sent is,
>
> * /123456z/4412.34N.....etc
>
> If APRS will ignore a lone *, then this should be fine.
>
> I plan to show the CC/PS at the summer conference. I have yet to
> recieve confirmation that I'll be speaking, however. I asked in
> email
> an hour ago.
>
> Paul

677. Re: [tvnsp] Status, 29 Aug

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-30 21:46:15 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 668 Message: 677

> The APRS format spec is at

I downloaded the copy and printed it into book format. That's been
my reference. Is anyone else interested in getting a copy of the
APRS standard? I can arrange to get more copies bound.

> A separate e-mail from Paul corrected the * to a $. If the first
> character is a $, APRS expects a GPS string. Even if the Kenwood
> decodes it correctly, other APRS programs may not as it's not in the
> spec. For post-analysis of experiment data having unusual formats is
> OK, but I would encourage strict following of the spec for position
> reports so that the locations are displayed correctly on all APRS
> programs.

The MIM assumes a NMEA sentence, hence it prefixes with a $. I
can add blanks spaces after the $ and then the data I want to
send, or recreate a NMEA sentence. However, the NMEA
sentence will take more memory. Also I need to send data, which
begins with a >. I've got to figure out a way to get away with a $.

The APRS standard shows lats and longs of the format,
12334.4523N, do you know if APRS will accept 1234.45N instead?
I'm hoping to get by with a byte for the after decimal lat and long,
rather than a word.

> Also, if time is in hours/minutes/seconds, the character afterwards
> should be 'h' (e.g., a time of 12 hrs 34 mins 56 secs UTC would be
> 123456h in the APRS output).

That was my mistake, I saw it both ways, but wrote the wrong one
down.

Paul

678. Re: [tvnsp] Status, 29 Aug

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-30 21:31:14 UTC
From: Conner, Mark
Topic: 668 Message: 678

> The MIM assumes a NMEA sentence, hence it prefixes with a $. I
> can add blanks spaces after the $ and then the data I want to
> send, or recreate a NMEA sentence. However, the NMEA
> sentence will take more memory. Also I need to send data, which
> begins with a >. I've got to figure out a way to get away with a $.

I think if you're stuck with $, you're also stuck with NMEA. APRSPlus will support the Simple Text Format (a Garmin proprietary string), which is shorter. But I don't think any of the other programs do. You might not have to include the useless elements of the GGA and RMC strings - just put spaces or commas to fill them out.

If you send data to the MIM with a $ in front, but have arbitrary stuff afterwards, the APRS programs should just throw it away rather than try to interpret it.

To my knowledge, none of the programs do any parity checking of incoming NMEA strings.

>
> The APRS standard shows lats and longs of the format,
> 12334.4523N, do you know if APRS will accept 1234.45N instead?
> I'm hoping to get by with a byte for the after decimal lat and
> long,
> rather than a word.

I believe the spec says programs should use comma delimiting for parsing GGA/RMC sentences instead of position. Some GPS units put out only 3 digits of precision, I think. So you should be OK with 2 digits in the fractional portion, but it's worth testing with the D7 and any APRS programs you use.

- Mark

679. Re: [tvnsp] (Fwd) SAR, pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-31 02:30:10 UTC
From: Jeff Melanson
Topic: 673 Message: 679

Why is Ralph's prediction different than the one's we have been looking at? Did we miss something?

Yes, we'll meet this weekend. The rip stop nylon came in and we need to start sewing. This is a 3 day weekend, are you able to put some time into capsule construction? Did the i-buttons come in yet?

Jeff Melanson
KD7INN

verhap@... wrote:
>
> Ralph Wallio performed an analysis on the TV01E flight and came
> up with a new prediction. It's about 13 miles ENE of Mosby Butte.
> Would anyone be interested in doing another search?
>
> Jeff, I need to meet with you this weekend and give a check for
> Steve..
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> John Stone, can I meet with you and run an APRS test on my new
> board? It's programmed to indicate a location at the Expo Center.
>
> Paul
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

680. Re: [tvnsp] (Fwd) SAR, pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-31 14:58:19 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 673 Message: 680

> Why is Ralph's prediction different than the one's we have been looking
> at? Did we miss something?

He used different ascent rates. I'll bring his notes with me.

> Yes, we'll meet this weekend. The rip stop nylon came in and we need to
> start sewing. This is a 3 day weekend, are you able to put some time
> into capsule construction? Did the i-buttons come in yet?

No ibuttons yet, but there was an attempted delivery yesterday.
They should leave the package with a neighbor today.

Paul

681. NWAPRS Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-31 19:31:53 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 681 Message: 681

Who is planning to atten the NWAPRS conference? I plan to drive down Friday after school. My presentation is on Saturday. I'd like to get several of us to talk during the presentation.

Paul

682. New Controller

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-08-31 19:34:23 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 682 Message: 682

I ran some tests with John Stone last night with my new CC/PS. It will transmit GPS sentences instead of forming posits. That requires just over half the memory of the the to do. I'll try sending telemetry as text data after a blank GPS sentence and see what happens. Other than that, I think the design is ready to go.

Paul

683. NSTAR Flight 01-E recap

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-01 21:33:39 UTC
From: Mark Conner
Topic: 683 Message: 683

It all seems so simple. Launch a balloon, follow the GPS data, pick it up between 90 and 180 minutes later. What could go wrong?

The launch team arrived at the high school between 7:20 and 7:45. We were running a little behind, but no big deal. We began filling the 350g balloon and stopped a little early to get a free lift check. However, the duct tape I used was not quite up to the job and the balloon pulled off the filler tube and floated away.

No real problem yet. We had a 2nd 350g balloon, and there seemed to be enough helium left to fill it. Maybe a little short, but if I had to I'd delete the camera/simplex repeater payload and save 5 lbs. We do a more thorough job of taping the neck to the tube and start again. When we emptied the helium, we tied off the neck and got a free lift estimate (wind wasn't too bad). The balloon had 14 lbs of lift and we needed to fly 11 lbs today, so we were in good shape.

Fired up the payloads, checked the data, and everything was running fine. We released about 0838 CDT (1338 UTC) and away we go. However, the camera didn't fire off the six low-altitude shots it was supposed to. Nuts. We waited until 10,000 ft and no pictures there either. Nuts again. We pack up and start the chase, heading east of Treynor.

We stop in Griswold to wait for the burst. Simplex repeater is working well, data is good, batteries are holding up. Still no indication of 35mm pix taken, but oh well. I didn't have time to debug that much anyway. We could see the balloon in amongst some wisps of cirrus. Burst occurs at 54,380 ft about as expected. Initial descent rates are good, simplex repeater isn't fluttering too badly, so looks like a fine descent.

Now the transmitter is firing off position packets every 5 seconds. It's stuck in the terminal-descent loop, which was to take pictures and positions that often until landing. Well, at least I'm getting pictures now. My concern for the batteries comes back, as now it is transmitting about 6 times more often than it should. A few minutes later I check the telemetry and the batteries are holding up - certainly well enough to sustain it until touchdown.

We head south on US71, then east across some gravel roads. Larry N0BKB is chasing from the east and north and appears to be in position for the landing. We estimated we'd be a mile or two away at the time.

The descent below 10,000 ft is about as expected - slow ground speeds, a loop back to the north. The payload exits the terminal-descent loop and goes back to 30-sec intervals - shoot, now we can use the extra posits. As it gets below 5000 ft, it appears the landing will be near a road which was convenient. We approach the landing site from the east.

As I crest the hill, I can see the parachute. It's almost hovering and appears to be off the ground a ways. At first I thought it was catching a gust of wind on the ground, but then I see it's hung up in power lines. I blurt out on our simplex frequency "oh, ****, it's in the wires". As we get closer I see a puff of smoke coming from one of the payloads. We're now up to about 1015 CDT.

We stop near the payloads and get out, taking some care not to park or stand too close. The smoking payload is now a burning payload and a few seconds later falls free into the grass at the side of the road, starting a grass fire. Two of the vehicles in the chase have fire extinguishers and the fire is put out. This was the telemetry payload.

Meanwhile, the second payload with the video camera and simplex repeater is still caught in the wires. There are five wires on this set, three 40-kV lines and two 6.5-kV lines (we learned all this later). The second payload is hanging on the topmost 40-kV line and the parachute is dangling from the load line coming from the balloon neck, which is hung up on another 40-kV line. It appears the J-pole antenna and coax was just long enough to touch two 40-kV lines with obvious effects. The second payload appears undamaged - the simplex repeater is working fine.

Of all the luck. Half a bazillion acres of open fields in Iowa and I snag a power line. Not only that, but it's of just the right size for me to short out. ****ing A, bubba. We are about 200 yards from a farm house - she came outside to see the commotion. Since we're out of cell phone range, we're unable to get a reliable call in to the power company, so I walk over to ask to use her phone. She says heard a bang and the power glitched for a few seconds. She thought it was a raccoon with good climbing skills but poor knowlege of power lines (again).

She graciously lets us use her phone. We call one utility company, but it doesn't service that area. The operator forwards the information to the proper one. We go back out and wait for the truck to arrive.

The truck arrives about 1145. Since it wasn't an emergency, they weren't in too big of a hurry on a Saturday, and later they said they didn't know we were waiting on them. The truck responding owns the 6.5kV lines but not the 40kV and he's not going to work their lines without their permission. So he radios the proper company and they have a truck not far away that's doing some tree trimming.

About 1230 or so the bigger truck arrives. They shut down the section of line and retrieve the package and cut loose the parachute for us. We exchange names and addresses and head our separate ways.

The telemetry package is a total write-off. Most everything is burned beyond recognition. The battery may still work, and the KPC-3 is not particularly melted. I may try powering it on just for giggles. The GPS-35 isn't identifiable as such - it's a lump of roughly the correct shape and volume. The 35mm is unusable, but the film inside might just be OK. Still haven't opened it.

The camcorder and simplex repeater, on the other hand and other payload, are fine. Since we had plenty of time to speculate, we figured the camcorder had enough tape to record it's interaction with the power lines. At a minimum, that would be really really unique - I bet Paul doesn't even have a tape like this. But, of course, as a final twist of the knife from Murphy, the batteries appear to have run down about 15 minutes beforehand. What I saw in the viewfinder looked decent, though, but I really wanted to see the power lines rushing up and the smoke coming from the other package. If I'm going to burn a $500 payload, I want some video.

The VX-1R running the simplex repeater is the same one that impacted with the previous video camera on Flight 01-B. It has now survived a 13-mile fall and tangling with high-voltage lines. I do not wish it any other unique incidents.

So, there you have it. Once again, NSTAR has managed to tick off a small number of Iowegians, first with gravity bombs and now by targeting the power grid. I hope they don't have any reactors in Iowa, as that's probably next.

Pictures later. Beer now.

73 de Mark N9XTN

Mark D. Conner
E-mail: n9xtn@...
Homepage: http://members.home.net/mconner1
"Arrogance and stupidity, all in the same package.....how efficient of you!" - Ambassador Londo Mollari, Babylon 5

684. Re: [tvnsp] NSTAR Flight 01-E recap

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-01 22:50:39 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 683 Message: 684

> The camcorder and simplex repeater, on the other hand and other payload, are
> fine. Since we had plenty of time to speculate, we figured the camcorder
> had enough tape to record it's interaction with the power lines. At a
> minimum, that would be really really unique - I bet Paul doesn't even have a
> tape like this.

Nope, ya got me beat again.

Sorry to heard about the landing and its result. I'll be interested in
seeing the video, however.

We did have one capsule land in a power line back in 1997. That
one managed to avoid shorting itself out and was retrieved safely.

How's your controller baord? Interested in testing one that uses a
MIM?

Paul

685. Re: [tvnsp] NSTAR Flight 01-E recap

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-01 22:15:51 UTC
From: Mark Conner
Topic: 683 Message: 685

I was going to ask about a controller board. I'm not sure I want a MIM however as the AX.25 device. Seems too limited to have to start with a $ all the time. I have a TinyTrak II and it may be suitable, but haven't built it yet.

The CC/PS (nee IHU) is toast, literally. I think I can identify the BS2SX remains. Not flight-worthy, certainly.

I'm playing the tape now - still on ascent. Looks much better and more stable so far. No fogging through about 30,000 ft. I had short two-point attachments between capsules and to the spreader ring - not near as much twisting. So I learned one useful thing from today's flight.

- Mark

----- Original Message -----
From: <verhap@...>
To: <tvnsp@yahoogroups.com>
Sent: Saturday, September 01, 2001 17:50
Subject: Re: [tvnsp] NSTAR Flight 01-E recap

> > The camcorder and simplex repeater, on the other hand and other payload, are
> > fine. Since we had plenty of time to speculate, we figured the camcorder
> > had enough tape to record it's interaction with the power lines. At a
> > minimum, that would be really really unique - I bet Paul doesn't even have a
> > tape like this.
>
> Nope, ya got me beat again.
>
> Sorry to heard about the landing and its result. I'll be interested in
> seeing the video, however.
>
> We did have one capsule land in a power line back in 1997. That
> one managed to avoid shorting itself out and was retrieved safely.
>
> How's your controller baord? Interested in testing one that uses a
> MIM?
>
> Paul
>

686. Videotape review

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-01 23:14:58 UTC
From: Mark Conner
Topic: 686 Message: 686

Just watched the entire tape. The payload was very stable both on ascent and on descent - none of the twisting and violent swinging observed previously. It seems coupling the payloads closely together and close to the spreader ring with multiple tie points is the solution. It was almost worth the loss of the telemetry capsule to see this work.

The batteries dropped out at 18,000 ft about 18 minutes before touchdown. Bummer.

The 35mm camera film appeared to be mostly used, if not completely. Unfortunately, it did not rewind into the container before tangling with the power lines. The interior of the camera had a lot of soot, but the film had not melted and the back of the camera should have remained light-proof. I'm hoping it's OK enough to get some pictures - according to the data, they'll all be between 54,000 and 46,000 ft.

73 de Mark N9XTN

Mark D. Conner
E-mail: n9xtn@...
Homepage: http://members.home.net/mconner1
"Arrogance and stupidity, all in the same package.....how efficient of you!" - Ambassador Londo Mollari, Babylon 5

687. September Flight Weekends

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-01 23:37:58 UTC
From: Mike Garske
Topic: 687 Message: 687

To the group,

I think it was Jeff that needed to try to have the next launch on the 28th/29th of September....well I now have the last two weekends in September off from work, so I am open to both weekends for a launch. Can't wait to have another launch under my belt!

Mike KC7DPD

688. Re: [tvnsp] September Flight Weekends

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-02 00:56:13 UTC
From: Jeff Melanson
Topic: 687 Message: 688

Hi Mike,

September 29th seems to be a good weekend for everyone including Stephanie. Capsule construction is in progress. Paul will be over this weekend so that we can make significant progress. Tonight I will set up the sewing machine so we can start on the capsule exterior.

Mark Conner,
What was the length between your capsules and the spreader ring? How many tie points did you use? I assume four points as we do on our box capsules.

Jeff Melanson
KD7INN

689. Re: [tvnsp] September Flight Weekends

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-02 01:24:40 UTC
From: Mark Conner
Topic: 687 Message: 689

>
> Mark Conner,
> What was the length between your capsules and the spreader ring? How
> many tie points did you use? I assume four points as we do on our box
> capsules.

I used two (the handles on the coolers) and there was about 6 inches between the ring and the top capsule, then about 3-4" between the top and bottom ones.

- Mark

690. Re: [tvnsp] September Flight Weekends

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-02 09:16:29 UTC
From: Jeff Melanson
Topic: 687 Message: 690

Mark,

You mentioned that you used one 350 gm balloon for your flight and another with no payload attached. Are these the one year old balloons from Ralph Wallio? We are planning to use one of those balloons on our next flight and I was wondering how they performed.

Jeff Melanson
KD7INN

691. Re: NSTAR Flight 01-E recap

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-02 13:50:56 UTC
From: zclobes@swbell.net
Topic: 683 Message: 691

If you're interested in rolling your own, the Project: Traveler board has been performing very well in its first two flights. Parts for the controller and the "TNC" run you about $50, and you can plug any kind of daughterboard into the motherboard to control servos, cameras, data aquisition, etc...

We've also got it a lot smaller from when you saw it... It's down to something like 4.5" x 3". We could supply you with PCB and the MX614 (which is hard to find). Everything else is available from Digikey. You'd need a C compilier (CSCC or whatever it is) and a programer for a 16F873 which I think I saw a homebrew one in Nuts and Volts last month.

--- In tvnsp@y..., "Mark Conner" <mconner1@h...> wrote:
> I was going to ask about a controller board. I'm not sure I want a MIM
> however as the AX.25 device. Seems too limited to have to start with a $
> all the time. I have a TinyTrak II and it may be suitable, but haven't
> built it yet.
>
> The CC/PS (nee IHU) is toast, literally. I think I can identify the BS2SX
> remains. Not flight-worthy, certainly.
>
> I'm playing the tape now - still on ascent. Looks much better and more
> stable so far. No fogging through about 30,000 ft. I had short two-point
> attachments between capsules and to the spreader ring - not near as much
> twisting. So I learned one useful thing from today's flight.
>
> - Mark
>
> ----- Original Message -----
> From: <verhap@o...>
> To: <tvnsp@y...>
> Sent: Saturday, September 01, 2001 17:50
> Subject: Re: [tvnsp] NSTAR Flight 01-E recap
>
>
> > > The camcorder and simplex repeater, on the other hand and other payload,

> are
> > > fine. Since we had plenty of time to speculate, we figured the
> camcorder
> > > had enough tape to record it's interaction with the power
lines. At a
> > > minimum, that would be really really unique - I bet Paul
doesn't even
> have a
> > > tape like this.
> >
> > Nope, ya got me beat again.
> >
> > Sorry to heard about the landing and its result. I'll be
interested in
> > seeing the video, however.
> >
> > We did have one capsule land in a power line back in 1997. That
> > one managed to avoid shorting itself out and was retrieved safely.
> >
> > How's your controller baord? Interested in testing one that uses
a
> > MIM?
> >
> > Paul
> >

692. Re: [tvnsp] September Flight Weekends

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-02 15:10:44 UTC
From: Mark Conner
Topic: 687 Message: 692

Yes, those were the ones I got from Ralph. They may be more than a year
old, though. It shredded cleanly, even better than the 600g ones.

- Mark

----- Original Message -----
From: "Jeff Melanson" <kd7inn@...>
To: <tvnsp@yahoogroups.com>
Sent: Sunday, September 02, 2001 04:16
Subject: Re: [tvnsp] September Flight Weekends

>
> Mark,
>
> You mentioned that you used one 350 gm balloon for your flight and
> another with no payload attached. Are these the one year old balloons
> from Ralph Wallio? We are planning to use one of those balloons on our
> next flight and I was wondering how they performed.
>
> Jeff Melanson
> KD7INN
>

693. Re: [tvnsp] Videotape review

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-03 01:32:35 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 686 Message: 693

> The batteries dropped out at 18,000 ft about 18 minutes before touchdown.
> Bummer.

Okay, so this means TVNSP has another shot at recording video
through the entire flight. We're planning a launch the last weekend
of September, using the 300 gram balloon you sent us. Were you
flying one of Ralph's balloons on this flight?

> The 35mm camera film appeared to be mostly used, if not completely.
> Unfortunately, it did not rewind into the container before tangling with the
> power lines. The interior of the camera had a lot of soot, but the film had
> not melted and the back of the camera should have remained light-proof. I'm
> hoping it's OK enough to get some pictures - according to the data, they'll
> all be between 54,000 and 46,000 ft.

If there's arcing inside the camera, the light could have exposed the
film. I'll be curious to see what you get. Keep us informed.

Paul

694. Re: [tvnsp] Re: NSTAR Flight 01-E recap

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-03 04:53:49 UTC
From: Mark Conner
Topic: 683 Message: 694

Hi Zack,

What I'm really looking for is a simplified TNC in a small package that can handle the AX.25 formatting and conversion to audio. I like the BS2 chips for controllers, esp. the new functionality of the BS-2P. But I don't really need to fly a whole TNC most of the time - I used the KPC-3 mostly because I had one already.

I've read a little bit about formatting data for KISS-compatible TNCs, and I think that's easily doable from a BS2. The KISS TNC in QST about a year or two ago is sort of what I'm looking for, but I heard some negative things about that design. Maybe now that I'm starting from ground zero I'll look at all of that again.

The MIMs are close, but they require a $ to start the data. That screws up the APRS posit format for me, because I like to have lat/lon/course/speed/alt all in one transmission. The TinyTrak II might also work, but I need to see how configurable it is.

If you have some ideas on a small lightweight TNC let me know.

- Mark

----- Original Message -----
From: <zclobes@...>
To: <tvnsp@yahoogroups.com>
Sent: Sunday, September 02, 2001 08:50
Subject: [tvnsp] Re: NSTAR Flight 01-E recap

> If you're interested in rolling your own, the Project: Traveler board
> has been performing very well in its first two flights. Parts for
> the controller and the "TNC" run you about $50, and you can plug any
> kind of daughterboard into the motherboard to control servos,
> cameras, data aquisition, etc...
>
> We've also got it a lot smaller from when you saw it... It's down to
> something like 4.5" x 3". We could supply you with PCB and the MX614
> (which is hard to find). Everything else is available from Digikey.
> You'd need a C compilier (CSCC or whatever it is) and a programer for
> a 16F873 which I think I saw a homebrew one in Nuts and Volts last
> month.

695. Re: [tvnsp] Videotape review

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-03 05:14:01 UTC
From: Mark Conner
Topic: 686 Message: 695
Attachments: 1 described; binary payloads are missing from this source WARC

> Okay, so this means TVNSP has another shot at recording video
> through the entire flight. We're planning a launch the last weekend
> of September, using the 300 gram balloon you sent us. Were you
> flying one of Ralph's balloons on this flight?

I used two of Ralph's 350's, one departing prematurely. Mike W5VSI from EOSS told me they use hose clamps to secure their balloon to the filler, which is a really good idea to me.

The duct tape I used Saturday was some 4 rolls for $8 stuff I got at Sam's Club. The best duct tape I've seen is some 3M tape I got that was $4/roll at Menards. But I think I left that roll in Manhattan back in June and saw the Sam's Club stuff while I was shopping and just picked it up. Now I have 3.75 rolls of tape I won't be using.

> > The 35mm camera film appeared to be mostly used, if not completely.
> > Unfortunately, it did not rewind into the container before tangling with
the
> > power lines. The interior of the camera had a lot of soot, but the film
had
> > not melted and the back of the camera should have remained light-proof.
I'm
> > hoping it's OK enough to get some pictures - according to the data,
they'll
> > all be between 54,000 and 46,000 ft.
>
> If there's arcing inside the camera, the light could have exposed the
> film. I'll be curious to see what you get. Keep us informed.

I got the photos back from Wal-Mart last night. The telemetry accurately reported that pictures were taken every few seconds starting shortly after descent. The film was mostly OK, but a portion of the last frame and the negative after that showed light contamination, probably from arcing (not a "lightning" or static discharge pattern, though). The rest had no problems other than the film advance caused about 5 pictures to be taken over 3 frames' worth of film. The take-up portion of the camera is mostly plastic, but the film cassette itself and that side of the camera had more metal which may have led to the arcing. There was a lot of soot on the cassette itself.

I attached a picture of the remnants. On the left is the KPC-3. The plastic front panel is burned off. The metalized DB25 shell did better than expected. The lump at the bottom center is the GPS-35. The mess on the right is the controller box. The white or light gray you're seeing is the chemical from the fire extinguisher. I'll have more photos up later on.

73 de Mark N9XTN

696. web page update

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-03 22:06:08 UTC
From: Mark Conner
Topic: 696 Message: 696

I've added some photos to the NSTAR web page:

http://members.home.net/mconner1/nstar.html#01E

- Mark

Mark D. Conner
E-mail: n9xtn@...
Homepage: http://members.home.net/mconner1
"Arrogance and stupidity, all in the same package.....how efficient
of you!" - Ambassador Londo Mollari, Babylon 5

697. New Balloon controller

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-04 14:46:28 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 683 Message: 697

> The MIMs are close, but they require a $ to start the data. That screws up
> the APRS posit format for me, because I like to have
> lat/lon/course/speed/alt all in one transmission. The TinyTrak II might
> also work, but I need to see how configurable it is.

I've worked out a way to send data with the MIMs. You need to
send an empty GPS sentence first (like $GPGLL,,,,,,,,), followed
by a CR, then your data. The result is this...

$GPGGL,,,,,,,
>text data

or

$GPGLL,,,,,,
/posit info

Next I'll experiment with a PIC-E. Can someone download the PIC-
E documentation from www.tapr.org? Everytime I do, I get a blank
document.

Thanks,
Paul

698. Re: [tvnsp] New Balloon controller

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-04 14:23:44 UTC
From: Conner, Mark
Topic: 683 Message: 698

> I've worked out a way to send data with the MIMs. You need to
> send an empty GPS sentence first (like $GPGLL,,,,,,,,), followed
> by a CR, then your data. The result is this...
>
> $GPGGL,,,,,,,
> >text data
>
> or
>
> $GPGLL,,,,,,
> /posit info
>

That's slick - it may just work for what I need. Have you hit a memory limit for the number of characters you can send to the MIM? My posit strings can get close to 80 characters if I have a bunch of stuff in them.

- Mark

699. NWAPRS

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-05 22:30:13 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 699 Message: 699

I'm leaving for the NWAPRS conference on Friday afternoon, 6:00 PM. I figure it will take 7 hours to drive there. My talk is scheduled for 11:00 AM on Saturday.

Paul

700. RE: [tvnsp] NWAPRS

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-06 04:12:52 UTC
From: K7JPS - John
Topic: 699 Message: 700

Good Luck! Whish I could be there.

John Stone
K7JPS
-----Original Message-----
From: verhap@... [mailto:verhap@...]
Sent: Wednesday, September 05, 2001 16:30
To: tvnsp@yahoogroups.com
Subject: [tvnsp] NWAPRS

I'm leaving for the NWAPRS conference on Friday afternoon, 6:00
PM. I figure it will take 7 hours to drive there. My talk is
scheduled for 11:00 AM on Saturday.

Paul

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701. Fw: [KNSP] HamBONE-LD3 is UP!!!

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-07 23:03:40 UTC
From: Ralph Wallio, W0RPK
Topic: 701 Message: 701

----- Original Message -----
From: Pierre Thomson <pthomson@...>
To: <ham-bone@yahoogroups.com>
Cc: <knsp@yahoogroups.com>
Sent: Friday, September 07, 2001 17:09 PM
Subject: [KNSP] HamBONE-LD3 is UP!!!

> Launch time 22:04Z, telemetry on 28.212 MHz.
>
> Third time lucky, I guess. After two failed starts this morning we had a
> beautiful lift-off this evening, despite surface winds that came and went
> between 0 and 10 mph. It is now heading NNE with a whopping 30g of free
> lift.
>
> Hoping for a long flight, as we go into sunset and then to the tropopause
> lapse reversal...
>
> 73 & tnx
> Pierre Thomson
> HamBONE balloon group
> http://frodo.bruderhof.com/hambone/
>
>

702. Cutdowns, Meeting, and SAR

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-10 17:42:17 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 702 Message: 702

I developed the circuit board for a cutdown device. Last night I tested it with the pager and it worked well. I have a few of the boards remaining. I'll bring a board to the VOI meeting this Wednesday for Doug. I'll drop off a second one to Jeff for his capsule. This winter, when we're working on capsules, I shoot some copies of the board.

We need to think about another meeting soon. We have a launch scheduled for the last weekend of September.

We have a new prediction for the July flight. John Knapp, did you generate a prediction? Is anyone interested in doing a SAR for the capsule?

Paul

703. Re: [tvnsp] TV01E

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-10 20:09:46 UTC
From: John Knapp
Topic: 665 Message: 703

Paul, on the attached file I can determine the
long/lat without any problems. But where is the
altitude of the balloon?

Thanks
JohnK
--- verhap@... wrote:
> John Stone, can you email to the group the winds
> aloft report for
> the morning of the flight? Also, can you include
> the predicted
> landing points and the flight we took?
>
> I can't update the webpages yet because of the
> campus firewall.
> Tomorrow I'll meet with IT and try to striaghten
> that out.
>
> I'm including with this message the flight log.
>
> Paul
>
>
> > The following section of this message contains a
> file attachment
> prepared for transmission using the Internet MIME
> message format.
> If you are using Pegasus Mail, or any another
> MIME-compliant system,
> you should be able to save it or view it from within
> your mailer.
> If you cannot, please ask your system administrator
> for assistance.
>
> ---- File information -----------
> File: tv01e.txt
> Date: 29 Jul 2001, 16:16
> Size: 16686 bytes.
> Type: Text
>

> ATTACHMENT part 3 application/octet-stream
name=tv01e.txt; type=Text

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704. Re: [tvnsp] TV01E

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-10 20:09:55 UTC
From: John Knapp
Topic: 665 Message: 704

Paul, on the attached file I can determine the
long/lat without any problems. But where is the
altitude of the balloon?

Thanks
JohnK
--- verhap@... wrote:
> John Stone, can you email to the group the winds
> aloft report for
> the morning of the flight? Also, can you include
> the predicted
> landing points and the flight we took?
>
> I can't update the webpages yet because of the
> campus firewall.
> Tomorrow I'll meet with IT and try to striaghten
> that out.
>
> I'm including with this message the flight log.
>
> Paul
>
>
> > The following section of this message contains a
> file attachment
> prepared for transmission using the Internet MIME
> message format.
> If you are using Pegasus Mail, or any another
> MIME-compliant system,
> you should be able to save it or view it from within
> your mailer.
> If you cannot, please ask your system administrator
> for assistance.
>
> ---- File information -----------
> File: tv01e.txt
> Date: 29 Jul 2001, 16:16
> Size: 16686 bytes.
> Type: Text
>

> ATTACHMENT part 3 application/octet-stream
name=tv01e.txt; type=Text

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705. Re: [tvnsp] (Fwd) SAR, pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-10 20:14:40 UTC
From: John Knapp
Topic: 673 Message: 705

Can you send me the ascent rates Ralph used in his
prediction. Also, what was the ascent/decent rates we
were using in our predictions.

Thanks
JohnK
--- verhap@... wrote:
> > Why is Ralph's prediction different than the
> one's we have been looking
> > at? Did we miss something?
>
> He used different ascent rates. I'll bring his
> notes with me.
>
> > Yes, we'll meet this weekend. The rip stop nylon
> came in and we need to
> > start sewing. This is a 3 day weekend, are you
> able to put some time
> > into capsule construction? Did the i-buttons come
> in yet?
>
> No ibuttons yet, but there was an attempted delivery
> yesterday.
> They should leave the package with a neighbor today.
>
>
> Paul
>

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706. Re: [tvnsp] TV01E

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-10 22:02:07 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 665 Message: 706

> Paul, on the attached file I can determine the
> long/lat without any problems. But where is the
> altitude of the balloon?

There was no attached file with this email, however.....

On the GGA sentence, after the lat and long is other stuff,
including the altitude. The number before the first M is the altitude
in meters. The following number is a correction for the non-
spherical shape of the Earth.

Paul

707. Re: [tvnsp] TV01E

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-10 21:36:01 UTC
From: John Knapp
Topic: 665 Message: 707

Thanks, I believe I understand it now.....

JohnK
--- verhap@... wrote:
> > Paul, on the attached file I can determine the
> > long/lat without any problems. But where is the
> > altitude of the balloon?
>
> There was no attached file with this email,
> however.....
>
> On the GGA sentence, after the lat and long is other
> stuff,
> including the altitude. The number before the first
> M is the altitude
> in meters. The following number is a correction for
> the non-
> spherical shape of the Earth.
>
> Paul
>
>

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708. Re: [tvnsp] (Fwd) SAR, pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-10 22:45:30 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 673 Message: 708

> Can you send me the ascent rates Ralph used in his
> prediction. Also, what was the ascent/decent rates we
> were using in our predictions.

John Stone, do you remember the ascent rate? I'll forward Ralph's prediction to the list. The desent rate is 1200 fpm.

Paul

709. (Fwd) My prediction and rationale

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-10 23:03:48 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 709 Message: 709

Here's Ralph's prediction again.

Paul
------- Forwarded Message Follows -------
From: "Ralph Wallio, W0RPK" <wallio@...>
To: "Paul Verhage, KD4STH" <verhap@...>
Subject: My prediction and rationale
Date sent: Thu, 30 Aug 2001 10:22:52 -0500

Here is a set of touchdown solutions for you to consider and the rationale behind them.

A data set of 51 $GPGGA records was extracted from the telemetry file (TV01Egga.txt attached). This data set was imported to EXCEL to calculate derivatives and produce charts (TV01Egga.xls attached).

The first EXCEL chart plots GPS TIME v GPS ALTITUDE and finds the ascent rate knee (TV01Eta.gif attached). Below and before this knee ascent rate was 939ft/min (launch coordinates v knee coordinates below). Above and after this knee ascent rate was 551ft/min (knee coordinates v last coordinates below). It is my experienced assumption that this slower post-knee ascent rate was stable up to burst.

Based on this analysis we have the following set of known coordinates:

Launch coordinates (GPS):
42d34.9748mN (42.5829dN)
114d28.0628mW (114.4677dW)
1,127.3m (3,700ft)
12:21:26z

Coordinates at ascent rate knee (GPS):
42d41.8325mN (42.6972dN)
114d12.1824mW (114.2030dW)
8,205.0m (26,921ft)
12:46:09z

Last set of $GPGGA coordinates:
42d46.6520mN (42.7775dN)
113d56.7422mW (113.9457dW)
10,840.1m (35,566ft)
13:01:50z

Next we consider the best set of predictive winds aloft observations available, the 12z 28Jul01 BOI RAOB (BOI28Jul.txt attached). EXCEL is used to derive WIND SPEED and WIND DIRECTION and these values are plotted v altitude in two EXCEL charts. Chart TV01Esa.gif (attached) shows actual

wind speed (calculated from TV01E lateral movement) and wind speeds reported by the RAOB mission. Chart TV01Eda.gif (attached) shows actual wind direction and wind directions reported by the RAOB mission. There appear to be significant variations in wind speed and direction reports at lower levels but rough agreement at higher levels. Based on these comparisons I have decided to substitute TV01E observations for RAOB observations as far up as possible and then use RAOB observations on up to burst.

When TV01E winds aloft and BOI RAOB observations are combined we have a new data set that can be used by WBALTRAK (BOI_01_07_28_1200Z.dat attached and http://www.eoss.org/wbaltrak/index.html). WBALTRAK can then be set up for initial ascent rate (939ft/min), characterized descent rate (1000ft/min) and launch coordinates and altitude (we don't yet care about burst altitude). We then compare actual coordinates at the knee (26,921ft), 42d41.8325mN (42.6972dN) 114d12.1824mW (114.2030dW) (from above) with WBALTRAK predictions, 42.6952N 114.21W, and find them to be very close so we are ok so far.

Now we need to change our ascent rate to 551ft/min up to burst but WBALTRAK does not allow for this (I will be talking to Rick and making my case for a program change). The fix is to change launch coordinates and altitude to the knee and use the slower ascent rate from there. We can now compare our last set of TV01E coordinates at 35,566ft (42.7775dN 113.9457dW) with WBALTRAK predictions (42.7704dN 113.9571dW). Again variance is very small so we continue to be ok.

>From now on we wander into the unknown. We have no choice but to use the BOI RAOB for all higher level winds. We will assume ascent rate will now be constant up to burst. We need to vary burst altitude between some minimum and maximum values so I ran BALLIFT9 with 14 pounds, a TA1200 and 940ft/min and get a predicted 91,000ft burst. My experience is that this is the maximum and will use 80,000ft for the minimum and 85,000ft as an intermediate value.

Based on this analysis method I get the following burst and touchdown coordinates:

BURST @ 80,000ft ASL
42.9772dN (42d58.632mN)
113.2738dN (113d16.428mW)
TOUCHDOWN @ 2831ft ASL
43.1188dN (43d07.128mN)
112.8652dW (112d51.912mW)

BURST @ 85,000ft ASL
42.9802dN (42d58.812mN)
113.3149dW (113d18.894mW)
TOUCHDOWN @ 2831ft ASL
43.1222dN (43d07.332mN)
112.9103dW (112d54.618mW)

BURST @ 91,000ft ASL
42.9817dN (42d58.902mN)
113.3817dW (113d22.902mW)
TOUCHDOWN @ 2831ft ASL
43.124dN (43d07.44mN)
112.9825dW (112d58.95mW)

>From a recent posting and attached map I note that you (collectively) have been predicting touchdown to be southwest of my offering (and searching accordingly). Two maps are attached differing only in zoom factor (TV01Emp1.gif and TC01Emp2.gif) that show my predictions. If Mosby Butte coordinates are used as an average of your current TD predictions, I suggest you move your search pattern roughly 13 miles ENE.

TNX es 73 de Ralph Wallio, W0RPK
wallio@...
http://users.crosspaths.net/~wallio
Where entropy is AOK with nominal anomalies

710. SWR Meter

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-10 23:21:24 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 710 Message: 710

I need to use a SWRmeter for 2m. Does anyone have one that
they can bring to the VOI meeting this Wednesday?

Paul

711. Re: [tvnsp] SWR Meter

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-11 00:06:14 UTC
From: Doug Rich
Topic: 710 Message: 711

I can bring one.

Doug
At 04:21 PM 9/10/01 -0700, you wrote:
>I need to use a SWRmeter for 2m. Does anyone have one that
>they can bring to the VOI meeting this Wednesday?
>
>Paul
>
>
>To unsubscribe from this group, send an email to:
>tvnsp-unsubscribe@egroups.com
>
>
>
>Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

712. Re: [tvnsp] SWR Meter

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-11 02:07:10 UTC
From: John Knapp
Topic: 710 Message: 712

I have one I can bring.

JohnK
--- verhap@... wrote:
> I need to use a SWRmeter for 2m. Does anyone have
> one that
> they can bring to the VOI meeting this Wednesday?
>
> Paul
>

_____
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713. Anyone using Motorola M12 Oncore?

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-11 20:40:27 UTC
From: Mark Conner
Topic: 713 Message: 713

I have been looking over lightweight low-power OEM GPS boards and have found that the Motorola Oncore M12 module seems to meet my needs. Anyone have positive or negative experiences with this unit?

For those who want a few more details, check http://www.synergy-gps.com/. The price sheet I got from them indicates about $90 for quantities from 1 to 99. The main Motorola site is down at the moment.

The same site also had mini GPS antennas for under $30.

73 de Mark N9XTN

Mark D. Conner
E-mail: n9xtn@...
Homepage: http://members.home.net/mconner1
"Arrogance and stupidity, all in the same package.....how efficient of you!" - Ambassador Londo Mollari, Babylon 5

714. Meeting and CC/PS

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-11 22:07:53 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 714 Message: 714

First off, I feel sick about what has happened today. My heart goes out to the dead and injuried. I hope Americans will stay level headed about this and investigate the cause and determine the guilty party without harming innocent people, unlike the terrorists who did this.

Thanks John for bringing your SWR meter to tomorrow's meeting. I know the meeting will not be as light as usual.

I now have my new CC/PS sending complete GPS sentences without creating posits. It was amazing last night, I was able to see raw GPS sentences from the MIM module. When sending telemetry, the CC/PS sends an empty GGL sentence first. It's awesome. Next is a blackbox using the iButton EEPROM. Now you won't have to clean up a telemetry log, you just pop out the iButton and connect it to your PC.

I'm designing a backup board for the CC/PS that is mounted to the CC/PS. The backup provides telemetry and CW in case the CC/PS fails. It uses a DTMF decoder so you can send commands to it. The backup monitors voltages on the CC/PS. I'm also working on a heart beat monitor for the CC/PS. When done, there will be redundant GPSs and HTs on the capsule. You'll be able to monitor CC/PS function independent of the CC/PS.

for the new CC/PS design, you'll need an Alinco DJ-S11 and an Etrex GPS. Together they cost $200. In addition you need a SSC, MIM, and BS-2P that are monuted to the CC/PS.

It's great!

Paul

715. Re: [KNSP] Anyone using Motorola M12 Oncore?

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-11 22:20:14 UTC
From: mgray@ess-us.com
Topic: 715 Message: 715

I've used the Motorola M12 Oncore on a flight to 86,000 feet
and it worked very well. If you purchase them through Synergy
Systems, you can get a 10% educational/ham discount. For more
information, you can visit my web site at:

http://www.ess-us.com/kd7lmo

From sentto-328371-1447-1000241692-mgray=ess-us.com@... Tue Sep 11 13:55:34 2001
X-eGroups-Return: sentto-328371-1447-1000241692-mgray=ess-us.com@...
X-Sender: mconner1@...
X-Apparently-To: KNSP@yahoogroups.com
To: <aprssig@...>
Cc: "KNSP" <KNSP@yahoogroups.com>, "TVNSP List" <tvnsp@yahoogroups.com>
X-Priority: 3
X-MSMail-Priority: Normal
X-Mailer: Microsoft Outlook Express 6.00.2600.0000
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
From: "Mark Conner" <mconner1@...>
MIME-Version: 1.0
Mailing-List: list KNSP@yahoogroups.com; contact KNSP-owner@yahoogroups.com
Delivered-To: mailing list KNSP@yahoogroups.com
Precedence: bulk
List-Unsubscribe: <mailto:KNSP-unsubscribe@yahoogroups.com>
Date: Tue, 11 Sep 2001 15:40:27 -0500
Subject: [KNSP] Anyone using Motorola M12 Oncore?
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

I have been looking over lightweight low-power OEM GPS boards and have found
that the Motorola Oncore M12 module seems to meet my needs. Anyone have
positive or negative experiences with this unit?

For those who want a few more details, check http://www.synergy-gps.com/.
The price sheet I got from them indicates about $90 for quantities from 1 to
99. The main Motorola site is down at the moment.

The same site also had mini GPS antennas for under $30.

73 de Mark N9XTN

Mark D. Conner
E-mail: n9xtn@...
Homepage: http://members.home.net/mconner1
"Arrogance and stupidity, all in the same package.....how efficient
of you!" - Ambassador Londo Mollari, Babylon 5

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716. Ham Meetings

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-12 16:13:11 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 716 Message: 716

I just wanted to confirm there are ham meetings tonight and tomorrow (in Ontario).

Paul

717. Re: [tvnsp] Ham Meetings

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-12 16:43:24 UTC
From: Stephanie Steele
Topic: 716 Message: 717

VOI has a meeting tonight and TVRA has one tomorrow.

--
Stephanie

****

Send and receive money safely over the Internet by using PayPal. I use it and highly recommend it as a safe and reliable means to conduct business. By using the link below we both will receive a $5 sign up bonus.

https://www.paypal.com/refer/pal=kc7dba%40arrl.net

718. Re: [tvnsp] Ham Meetings

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-12 15:48:59 UTC
From: James R. Johnson
Topic: 716 Message: 718

Confirm TVRA meeting at Sizzler in Ontario tomorrow (Thursday) @ 7:30 p.m.

----- Original Message -----
From: <verhap@...>
To: <tvnsp@yahoogroups.com>
Sent: Wednesday, September 12, 2001 10:13 AM
Subject: [tvnsp] Ham Meetings

> I just wanted to confirm there are ham meetings tonight and
> tomorrow (in Ontario).
>
> Paul
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
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719. Next Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-17 23:48:53 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 719 Message: 719

We need to think about a meeting for the next launch. Would next Saturdasy work? We need to determine how many people want to fox hunt the teddy bear. If we don't get enough, we'll still launch the para-bear, but I won't put a HT on it.

The next launch is planned for the last weekend in September. We'll fly a bear (to test cutdowns), a camera (to record the drop and test the modified ELPH), a camcorder to record an entire flight (but to only 50,000 ft), and a heat flow experiment (to test capsule construction).

We need to get more pictures of launch procedures.

Paul

720. Re: [tvnsp] Next Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-18 07:10:03 UTC
From: Mike Garske
Topic: 719 Message: 720

Saturday works for me Paul... I plan on helping on the launch and recovery,
but not the foxhunt. I still need to get some gear together to do that.

Mike KC7DPD

----- Original Message -----
From: <verhap@...>
To: <tvnsp@yahoogroups.com>
Sent: Monday, September 17, 2001 5:48 PM
Subject: [tvnsp] Next Launch

> We need to think about a meeting for the next launch. Would next
> Saturdasy work? We need to determine how many people want to
> fox hunt the teddy bear. If we don't get enough, we'll still launch
> the para-bear, but I won't put a HT on it.
>
> The next launch is planned for the last weekend in September.
> We'll fly a bear (to test cutdowns), a camera (to record the drop
> and test the modified ELPH), a camcorder to record an entire flight
> (but to only 50,000 ft), and a heat flow experiment (to test capsule
> construction).
>
> We need to get more pictures of launch procedures.
>
> Paul
>
>
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>
>
>

721. Re: [tvnsp] Next Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-18 13:08:10 UTC
From: Stephanie Steele
Topic: 719 Message: 721

Saturday works for me for the meeting. I plan on helping with the launch and fox hunting the bear too! I spoke with Leora Johnson and some of the TVRA members are going to foxhunt the bear also I believe.

Stephanie

verhap@... wrote:

> We need to think about a meeting for the next launch. Would next
> Saturdasy work? We need to determine how many people want to
> fox hunt the teddy bear. If we don't get enough, we'll still launch
> the para-bear, but I won't put a HT on it.
>
> The next launch is planned for the last weekend in September.
> We'll fly a bear (to test cutdowns), a camera (to record the drop
> and test the modified ELPH), a camcorder to record an entire flight
> (but to only 50,000 ft), and a heat flow experiment (to test capsule
> construction).
>
> We need to get more pictures of launch procedures.
>
> Paul
>
>
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>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

--
Stephanie

****

Send and receive money safely over the Internet by using PayPal. I use it and highly recommend it as a safe and reliable means to conduct business. By using the link below we both will receive a $5 sign up bonus.

https://www.paypal.com/refer/pal=kc7dba%40arrl.net

722. Re: [tvnsp] Next Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-18 13:36:32 UTC
From: Craig Brunson
Topic: 719 Message: 722

Morning all-

Be careful when getting close to launch date. All VFR flights, ballooning included, are still grounded at the present time. This includes hot air balloons & unmanned He balloons. Contact the FAA for further details.

My company is effectively out of business here in Oregon, until the ban lifts. We have at least three flights scheduled for the next two months.

Craig
N7TSZ
----- Original Message -----
From: <verhap@...>
To: <tvnsp@yahoogroups.com>
Sent: Monday, September 17, 2001 4:48 PM
Subject: [tvnsp] Next Launch

> We need to think about a meeting for the next launch. Would next
> Saturdasy work? We need to determine how many people want to
> fox hunt the teddy bear. If we don't get enough, we'll still launch
> the para-bear, but I won't put a HT on it.
>
> The next launch is planned for the last weekend in September.
> We'll fly a bear (to test cutdowns), a camera (to record the drop
> and test the modified ELPH), a camcorder to record an entire flight
> (but to only 50,000 ft), and a heat flow experiment (to test capsule
> construction).
>
> We need to get more pictures of launch procedures.
>
> Paul

723. Re: [tvnsp] Next Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-18 13:43:06 UTC
From: Mark Conner
Topic: 719 Message: 723

Last I heard, general aviation flights were allowed to resume last Friday or Saturday. The only exception is for within 25 NM around Washington and New York.

NWS has been flying balloons since last Tuesday, to my knowledge without restriction. I have heard no comments on loss of data around DC and NY.

- Mark

----- Original Message -----
From: "Craig Brunson" <brunson1@...>
To: <tvnsp@yahoogroups.com>
Sent: Tuesday, September 18, 2001 08:36
Subject: Re: [tvnsp] Next Launch

> Morning all-
>
> Be careful when getting close to launch date. All VFR flights, ballooning
> included, are still grounded at the present time. This includes hot air
> balloons & unmanned He balloons. Contact the FAA for further details.
>
> My company is effectively out of business here in Oregon, until the ban
> lifts. We have at least three flights scheduled for the next two months.
>
> Craig
> N7TSZ
> ----- Original Message -----
> From: <verhap@...>
> To: <tvnsp@yahoogroups.com>
> Sent: Monday, September 17, 2001 4:48 PM
> Subject: [tvnsp] Next Launch
>
>
> > We need to think about a meeting for the next launch. Would next
> > Saturdasy work? We need to determine how many people want to
> > fox hunt the teddy bear. If we don't get enough, we'll still launch
> > the para-bear, but I won't put a HT on it.
> >
> > The next launch is planned for the last weekend in September.
> > We'll fly a bear (to test cutdowns), a camera (to record the drop
> > and test the modified ELPH), a camcorder to record an entire flight
> > (but to only 50,000 ft), and a heat flow experiment (to test capsule
> > construction).
> >
> > We need to get more pictures of launch procedures.
> >

> > Paul
>
>
>
>
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>

724. IFR only

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-18 13:50:45 UTC
From: Mark Conner
Topic: 724 Message: 724

Ah, that's what I get for trusting the media. Here's the correct answer from the FAA - no VFR flying yet, IFR only.

http://www.faa.gov/apa/faq/pr_faq.htm
Frequently Asked Questions About Resumption of Air Service
Sept. 17, 2001

Are general aviation aircraft permitted to fly? For general aviation operators and pilots, the U.S. Department of Transportation has approved resumption of general aviation Instrument Flight Rules, or IFR, flights as of Sept. 14 at 4 p.m.
Eastern time. However, those flights may not fly within 25 nautical miles of New York City and Washington, DC. Those restrictions will be kept in place until further notice as officials continue to assess the recovery situation in those cities over the near term.

Pilots operating under Part 91 of the Federal Aviation Regulations, must be instrument-rated, must file IFR flight plans, and must receive a clearance before departure. Flights under visual flight rules have not been authorized.

General aviation IFR operations were approved Sept. 16 between U.S. airports to and from Japan, Canada, Mexico, the Bahamas, England, Scotland, Wales and Northern Ireland. These aircraft must be on an IFR flight plan and comply with all U.S. Customs Service notifications and requirements to land at U.S. airports designated as ports of entry.

On Sept. 16, the FAA ordered a temporary suspension of all agricultural aviation flights as part of an overall assessment of the gradual resumption of visual rule flights. Previously, these flights were cleared on Sept. 14 to resume services.

Mark D. Conner
E-mail: n9xtn@...
Homepage: http://members.home.net/mconner1
"Arrogance and stupidity, all in the same package.....how efficient of you!" - Ambassador Londo Mollari, Babylon 5

725. Re: [tvnsp] Next Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-18 14:01:16 UTC
From: Craig Brunson
Topic: 719 Message: 725

One of the engineers I work with couldn't go up Saturday because of the ban. They talked to the FAA & was denied permission. There is a hot air balloon company over in Newberg that is grounded also. They go up 7 days a week normally.

NWS is a government group & has different rules than the rest of us.

I will ask our director of flights to find out about unmanned balloons.

Craig
N7TSZ

----- Original Message -----
From: "Mark Conner" <mconner1@...>
To: <tvnsp@yahoogroups.com>
Sent: Tuesday, September 18, 2001 6:43 AM
Subject: Re: [tvnsp] Next Launch

> Last I heard, general aviation flights were allowed to resume last Friday
or
> Saturday. The only exception is for within 25 NM around Washington and
New
> York.
>
> NWS has been flying balloons since last Tuesday, to my knowledge without
> restriction. I have heard no comments on loss of data around DC and NY.
>
> - Mark

726. Re: [tvnsp] Next Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-18 16:10:19 UTC
From: Mike Murray
Topic: 719 Message: 726

At 06:36 AM 9/18/01 -0700, Craig wrote:

>Be careful when getting close to launch date. All VFR flights, ballooning
>included, are still grounded at the present time. This includes hot air
>balloons & unmanned He balloons. Contact the FAA for further details.
>
>My company is effectively out of business here in Oregon, until the ban
>lifts. We have at least three flights scheduled for the next two months.

Greetings from the Montana State University group. We were to attempt a
100,000-foot flight this last Saturday, and I was able to get a NOTAM
approved with very little trouble. Their biggest concern was whether it
was manned or not! They said that the restrictions were incredibly tight
until Saturday, then most everything opened up. Maybe they're just not
worrying much about the airspace over Montana <g>. As it turned out, we
had a low pressure system that stalled in our area and we had to scrub the
launch. But we're still hoping to fly within the next two weeks. If
you're interested in seeing what we're up to, check out our website:

http://www.physics.montana.edu/borealis/

Clear skies!
Mike.

****
Mike Murray - Assistant Director
Montana Space Grant Consortium
Dept. of Physics, Montana State University
Bozeman, MT 59717
(406) 994-7309 http://www.montana.edu/msgc
****

727. Re: [tvnsp] Next Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-18 19:03:43 UTC
From: John Knapp
Topic: 719 Message: 727

Saturday is okay with me. I plan to help launch and
recover on the 29th.

JohnK
KD7HGS
--- verhap@... wrote:
> We need to think about a meeting for the next
> launch. Would next
> Saturdasy work? We need to determine how many
> people want to
> fox hunt the teddy bear. If we don't get enough,
> we'll still launch
> the para-bear, but I won't put a HT on it.
>
> The next launch is planned for the last weekend in
> September.
> We'll fly a bear (to test cutdowns), a camera (to
> record the drop
> and test the modified ELPH), a camcorder to record
> an entire flight
> (but to only 50,000 ft), and a heat flow experiment
> (to test capsule
> construction).
>
> We need to get more pictures of launch procedures.
>
> Paul
>

Terrorist Attacks on U.S. - How can you help?
Donate cash, emergency relief information
http://dailynews.yahoo.com/fc/US/Emergency_Information/

728. Re: [tvnsp] Next Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-18 21:08:12 UTC
From: Randy Farley
Topic: 719 Message: 728

I can do Saturday Paul.

verhap@... wrote:
>
> We need to think about a meeting for the next launch. Would next
> Saturdasy work? We need to determine how many people want to
> fox hunt the teddy bear. If we don't get enough, we'll still launch
> the para-bear, but I won't put a HT on it.
>
> The next launch is planned for the last weekend in September.
> We'll fly a bear (to test cutdowns), a camera (to record the drop
> and test the modified ELPH), a camcorder to record an entire flight
> (but to only 50,000 ft), and a heat flow experiment (to test capsule
> construction).
>
> We need to get more pictures of launch procedures.
>
> Paul
>
>
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>
>
>
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--
Regards,
Randy Farley
N7GPS -Ham Call-
My Home at: http://map.findu.com/n7gps
Find my pickup at: http://map.findu.com/n7gps-9
Also see daily weather radar reports for my positions at:
(scroll to bottom of page)
http://www.findu.com/cgi-bin/find.cgi?call=n7gps&radar=CBX

729. Next Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-18 22:12:15 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 729 Message: 729

We'll hold our next meeting this Saturday, 22 Sept, at Idaho Pizza company in Caldwell. We'll discuss Jeff's capsule, the cutdowns, and out next flight.

Is there any help in searching for the lost capsule?

The new controller (CC/PS) design is going well. However, I've noticed that only every other telemetry is getting out. Can someone bring a portable APRS system so we can test the CC/PS? After the kinks are worked out, I'll arrange to make boards for anyone interested in making their own capsule.

Paul

730. Re: [tvnsp] Next Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-19 00:04:17 UTC
From: Jeff Melanson
Topic: 719 Message: 730

verhap@... wrote:
>
> We need to think about a meeting for the next launch. Would next
> Saturdasy work?

'Saturdasy' works for me!

Have you finished sewing the capsule cover?

Jeff Melanson
KD7INN

731. Re: [tvnsp] Next Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-19 03:25:55 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 719 Message: 731

I've done all the machine sewing, now it's time for hand sewing. I'm
also sewing one for me.

Paul

To: tvnsp@yahoogroups.com
From: Jeff Melanson <kd7inn@...>
Date sent: Tue, 18 Sep 2001 18:04:17 -0600
Send reply to: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] Next Launch

>
>
> verhap@... wrote:
> >
> > We need to think about a meeting for the next launch. Would next
> > Saturdasy work?
>
> 'Saturdasy' works for me!
>
> Have you finished sewing the capsule cover?
>
> Jeff Melanson
> KD7INN
>
>
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>
>
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>

732. Movies uploaded for NSTAR 01-E

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-19 04:32:33 UTC
From: Mark Conner
Topic: 732 Message: 732

I finally got around to digitizing some of the video shot for NSTAR 01-E
(the one that became a smoking hole - remember?). There are two scenes -
one of the first minute of flight, and one at burst and shortly afterwards.
There is both a low-quality RealVideo file and a high-quality (and large)
MPEG-3 movie for each one.
http://members.home.net/mconner1/nstar.html#01E

Still wish the batteries had lasted another 20 minutes.

73 de Mark N9XTN

Mark D. Conner
E-mail: n9xtn@...
Homepage: http://members.home.net/mconner1
"Arrogance and stupidity, all in the same package.....how efficient
of you!" - Ambassador Londo Mollari, Babylon 5

733. Re: [tvnsp] Next Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-19 05:18:06 UTC
From: Mike Garske
Topic: 729 Message: 733

Paul, I assume it will be 7pm on the 22nd?

Mike KC7DPD
----- Original Message -----
From: <verhap@...>
To: <tvnsp@yahoogroups.com>
Sent: Tuesday, September 18, 2001 4:12 PM
Subject: [tvnsp] Next Meeting

> We'll hold our next meeting this Saturday, 22 Sept, at Idaho Pizza
> company in Caldwell. We'll discuss Jeff's capsule, the cutdowns,
> and out next flight.
>
> Is there any help in searching for the lost capsule?
>
> The new controller (CC/PS) design is going well. However, I've
> noticed that only every other telemetry is getting out. Can
> someone bring a portable APRS system so we can test the
> CC/PS? After the kinks are worked out, I'll arrange to make boards
> for anyone interested in making their own capsule.
>
> Paul
>
>
> To unsubscribe from this group, send an email to:
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>

734. Re: [tvnsp] Next Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-19 15:02:51 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 729 Message: 734

> Paul, I assume it will be 7pm on the 22nd?

Good question. Is 7:00 PM good for everyone else?

Paul

735. RE: [tvnsp] Next Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-21 03:39:51 UTC
From: K7JPS - John
Topic: 729 Message: 735

7 PM on 9/22 @ the Idaho Pizza Company in Caldwell is good for me. Also
I'll bring my D7 to test the CC/PS.

John Stone
K7JPS
-----Original Message-----
From: verhap@... [mailto:verhap@...]
Sent: Wednesday, September 19, 2001 09:03
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] Next Meeting

> Paul, I assume it will be 7pm on the 22nd?

Good question. Is 7:00 PM good for everyone else?

Paul

736. RE: [tvnsp] IFR only

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-21 03:39:53 UTC
From: K7JPS - John
Topic: 724 Message: 736

Mark, Thanks for the FAA faq, Here is what it said Sept 20, 2001. I think the last paragraph is applicable to us.

Jeff, can you find what the Class B airspaces in our area are since they now extend to "infinity."

Are general aviation aircraft permitted to fly? For general aviation operators and pilots, the U.S. Department of Transportation approved resumption of general aviation Instrument Flight Rules, or IFR, flights as of Sept. 14 at 4 p.m. Eastern time. However, those flights may not fly within 25 nautical miles of New York City and Washington, DC. Those restrictions will be kept in place until further notice as officials continue to assess the recovery situation in those cities over the near term.
On Sept. 20, the FAA authorized limited return of general aviation Part 91 visual flight rules operations, or VFR, flights. VFR flights are now permitted for U.S. registered aircraft outside of "enhanced" Class B airspace; that is, Class B airspace within the lateral limits from the surface to infinity. No VFR flights are permitted over the top of Class B airspace, nor are VFR operations permitted from airports and airspace "under the shelf" of Class B airspace. In addition, several Temporary Flight Restrictions remain in effect. Civil aircraft VFR flight training operations are prohibited. Restrictions continue to apply to Part 91 VFR operations for banner towing, news reporting, traffic watch, airship/blimps, and Part 91 sightseeing.

Authorized operations outside of enhanced Class B airspace include aircraft maintenance repositioning, Civil Air Patrol, balloons, gliders, manufacturer production flight tests, mapping/photography missions, pipeline/powerline inspections, seaplanes, skydiving, wildlife management operations, and ultralights.

John Stone, K7JPS

-----Original Message-----
From: Mark Conner [mailto:mconner1@...]
Sent: Tuesday, September 18, 2001 07:51
To: TVNSP List
Subject: [tvnsp] IFR only

Ah, that's what I get for trusting the media. Here's the correct answer from the FAA - no VFR flying yet, IFR only.

http://www.faa.gov/apa/faq/pr_faq.htm
Frequently Asked Questions About Resumption of Air Service
Sept. 17, 2001

Are general aviation aircraft permitted to fly? For general aviation operators and pilots, the U.S. Department of Transportation has approved resumption of general aviation Instrument Flight Rules, or IFR, flights as of Sept. 14 at 4 p.m.
Eastern time. However, those flights may not fly within 25 nautical miles of New York City and Washington, DC. Those restrictions will be kept in place until further notice as officials continue to assess the recovery situation in those cities over the near term.

Pilots operating under Part 91 of the Federal Aviation Regulations, must be instrument-rated, must file IFR flight plans, and must receive a clearance before departure. Flights under visual flight rules have not been authorized.

General aviation IFR operations were approved Sept. 16 between U.S. airports to and from Japan, Canada, Mexico, the Bahamas, England, Scotland, Wales and Northern Ireland. These aircraft must be on an IFR flight plan and comply with all U.S. Customs Service notifications and requirements to land at U.S. airports designated as ports of entry.

On Sept. 16, the FAA ordered a temporary suspension of all agricultural aviation flights as part of an overall assessment of the gradual resumption of visual rule flights. Previously, these flights were cleared on Sept. 14 to resume services.

Mark D. Conner
E-mail: n9xtn@...
Homepage: http://members.home.net/mconner1
"Arrogance and stupidity, all in the same package.....how efficient of you!" - Ambassador Londo Mollari, Babylon 5

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737. Re: [tvnsp] IFR only

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-21 03:49:15 UTC
From: Mark Conner
Topic: 724 Message: 737

Class B airspace maps:
http://www.eaa.org/flightplanner/us_maps.html

The nearest for you guys is Seattle and Salt Lake City.

- Mark
----- Original Message -----
From: K7JPS - John
To: tvnsp@yahoogroups.com
Sent: Thursday, September 20, 2001 22:39
Subject: RE: [tvnsp] IFR only

Mark, Thanks for the FAA faq, Here is what it said Sept 20, 2001. I think the last paragraph is applicable to us.

Jeff, can you find what the Class B airspaces in our area are since they now extend to "infinity."

Are general aviation aircraft permitted to fly? For general aviation operators and pilots, the U.S. Department of Transportation approved resumption of general aviation Instrument Flight Rules, or IFR, flights as of Sept. 14 at 4 p.m. Eastern time. However, those flights may not fly within 25 nautical miles of New York City and Washington, DC. Those restrictions will be kept in place until further notice as officials continue to assess the recovery situation in those cities over the near term.
On Sept. 20, the FAA authorized limited return of general aviation Part 91 visual flight rules operations, or VFR, flights. VFR flights are now permitted for U.S. registered aircraft outside of "enhanced" Class B airspace; that is, Class B airspace within the lateral limits from the surface to infinity. No VFR flights are permitted over the top of Class B airspace, nor are VFR operations permitted from airports and airspace "under the shelf" of Class B airspace. In addition, several Temporary Flight Restrictions remain in effect. Civil aircraft VFR flight training operations are prohibited. Restrictions continue to apply to Part 91 VFR operations for banner towing, news reporting, traffic watch, airship/blimps, and Part 91 sightseeing.

Authorized operations outside of enhanced Class B airspace include aircraft maintenance repositioning, Civil Air Patrol, balloons, gliders, manufacturer production flight tests, mapping/photography missions, pipeline/powerline inspections, seaplanes, skydiving, wildlife management operations, and ultralights.

John Stone, K7JPS

738. Re: [tvnsp] IFR only boundary="----=_NextPart_000_02D1_01C14226.79722A00"

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-21 14:52:31 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 724 Message: 738

> The nearest for you guys is Seattle and Salt Lake City.

Okay, there's nothing by the FAA to stop a launch at this time.

I still have to make the teddy bear skydiver. I ran a test witht he cutdown device with a stop watch and it worked fine (it was odd, however). We now have sevral, independent cutdown devices.

I still need to run a 5 hour test on the CC/PS. My batteries gave out, so I'm going to try an RC car battery this week.

Paul

739. Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-21 14:53:21 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 724 Message: 739

TVNSP's next meeting is scheduled for Saturday, at 7:00 PM.

Paul

740. Re: [tvnsp] IFR only

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-22 02:36:40 UTC
From: Jeff Melanson
Topic: 724 Message: 740

Hi all,

Here is my take on all this. IFR and VFR are rules used to govern aircraft and are covered in part 91 of the FAA regulations. We are flying an unmanned balloon which is governed by part 101. Specifically part 101.1 defines whether or not part 101 is applicable to us. Since we do not meet the requirements it is not applicable. I have cut and pasted the part describing the applicability below. If we were to exceed the described weight limits then we would be restricted from operating in class B,C,D, and E airspace as described in part 101.33. We do not exceed these weight limits.

?101.1 Applicability.

(a) This part prescribes rules governing the operation in the United States, of the following:

(4) Except as provided for in ?101.7, any unmanned free balloon that --

(i) Carries a payload package that weighs more than four pounds and has a weight/size ratio of more than three ounces per square inch on any surface of the package, determined by dividing the total weight in ounces of the payload package by the area in square inches of its smallest surface;

(ii) Carries a payload package that weighs more than six pounds;

(iii) Carries a payload, of two or more packages, that weighs more than 12 pounds.

?101.33 Operating limitations.

No person may operate an unmanned free balloon --

(a) Unless otherwise authorized by ATC, below 2,000 feet above the surface within the lateral boundaries of the surface areas of Class B, Class C, Class D, or Class E airspace designated for an airport;

I have not heard of any official ruling restricting kites, model rocketry, or unmanned balloons. Does anyone know differently?

Regardless of whether or not we can fly the balloons I suppose there are some concerns due to current events. I would prefer that the balloon fly well clear of any airport or any place that might cause some unwanted attention. What are your thoughts?

The following link gives the definitions of the various classes of airspace.

http://www.flightinfo.com/html/airspace.shtm

Boise Airport is a terminal controlled airspace and requires two way radio communication and a mode C transponder. To know where the controlled airspace is we would need pilots charts. I don't have one.

A mode C transponder is a device that give the tower three pieces of information. 1) It transmits a four digit number that is assigned to the pilot by the tower when he enters the controlled airspace. This number is transmitted every time the transponder is interrogated by ground equipment. This number is displayed on the controllers radar and helps him track the aircraft. 2) Range to aircraft. This is calculated by the amount of time it takes for the interrogation signal to travel from the ground equipment to the aircraft and back plus signal processing time in the transponder which is standardized at .063 seconds. 3) Altitude. A pressure sensor (usually an altimeter) sends altitude information to the transponder which is also transmitted when the transponder is interrogated.

Jeff Melanson
KD7INN

741. Re: [tvnsp] IFR only

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-22 21:59:54 UTC
From: Jeff Melanson
Topic: 724 Message: 741

Boise Airport is a Class C airspace.

Jeff Melanson
KD7INN

742. Airspace

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-22 22:54:18 UTC
From: Mark Conner
Topic: 742 Message: 742

Most airports that have regular jet or large turboprop passenger service, or Air Force bases, have Class C airspace around it. For example, in our area Omaha/Offutt, Lincoln, and Des Moines have Class C airspace, typically extending 10 nautical miles around the airport and extending about 4000 ft above the surface (here, up to 5000 ft MSL).

I have only conducted one launch within Class C airspace, and had contact with the Lincoln tower prior to launch. We have enough suitable launch sites around Omaha that the flights will not go through the Class C airspace either on ascent or descent. I have the number for the local TRACON's radar room should a flight intending to pass over Class C airspace end up passing through it instead.

73 de Mark N9XTN

----- Original Message -----
From: "Jeff Melanson" <kd7inn@...>
To: <tvnsp@yahoogroups.com>
Sent: Saturday, September 22, 2001 16:59
Subject: Re: [tvnsp] IFR only

>
>
> Boise Airport is a Class C airspace.
>
> Jeff Melanson
> KD7INN
>

743. Audio Beacon

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-25 03:44:35 UTC
From: K7JPS - John
Topic: 743 Message: 743

Paul,

I picked up a 3-28VDC, 2.8KHz Piezo buzzer (part # 273-066) at Radio Shack that can be used for an audio beacon. It has a min level of 81 dB and only draws 6mA. If you tell me what parts I need to create a circuit for it, I should be able to make it work for TV01G.

While I was there I also picked up a window alarm (part # 49-406). It uses one piezo as a shock sensor, and has a 120 dB speaker. I've dismantled this alarm and am wondering about modifying it so that it only activates on landing. The specs for this device can be found at http://support.radioshack.com/support_security/doc39/39504.htm

John Stone
K7JPS

744. Re: [tvnsp] Audio Beacon

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-25 13:00:35 UTC
From: John Knapp
Topic: 743 Message: 744

John, could you send out the launch lat/long for the
Sucker Creek launch site (the one we used last launch
before Twin Falls), also the Rome Launch Site.

Thanks
JohnK
--- K7JPS - John <k7jps@...> wrote:
> Paul,
>
> I picked up a 3-28VDC, 2.8KHz Piezo buzzer (part #
> 273-066) at Radio Shack
> that can be used for an audio beacon. It has a min
> level of 81 dB and only
> draws 6mA. If you tell me what parts I need to
> create a circuit for it, I
> should be able to make it work for TV01G.
>
> While I was there I also picked up a window alarm
> (part # 49-406). It uses
> one piezo as a shock sensor, and has a 120 dB
> speaker. I've dismantled this
> alarm and am wondering about modifying it so that it
> only activates on
> landing. The specs for this device can be found at
>
http://support.radioshack.com/support_security/doc39/39504.htm
>
> John Stone
> K7JPS
>
>

_____
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745. Re: [tvnsp] Audio Beacon

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-25 15:12:03 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 743 Message: 745

> I picked up a 3-28VDC, 2.8KHz Piezo buzzer (part # 273-066) at Radio Shack
> that can be used for an audio beacon. It has a min level of 81 dB and only
> draws 6mA. If you tell me what parts I need to create a circuit for it, I
> should be able to make it work for TV01G.

Six mA? The one I picked up operates on 150 mA! It sounds like
we can connect a battery snap to it and fly it. can I stop after work
and see it?

Paul

746. Status, 26 Sept

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-25 19:10:45 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 746 Message: 746

The NWS is predicting the rain will move out by Saturday. Lows will be above freezing, but not by much. Today's winds puts the capsule down almost due north, at a range of 49 miles. Over the next few days a high pressure ridge will park itself to our east and stay there. This will move the landing site more towards the northeast. The range to landing may not change much.

Paul

747. Status, 26 Sept, Pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-25 19:35:56 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 746 Message: 747

Shennans closes at 5:30 PM. I should be able to get there before they close, but don't have the Jeep the carry the tanks. Who is going to get the tanks? I'll put some money in the TVNSP account after work.

The teddy rabbit cutdown is complete. I ran a test with the stop watch and was happy with the results. I'll add a little more plywood to the sides tonight. I'll look over John's audio beacon and set up a boom and battery for it. The rabbit's parachute is complete, but I'm concerned it may be a little too small. I may tey to sew a second 'chute tonight.

Paul

748. Re: [tvnsp] Status, 26 Sept

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-25 20:54:41 UTC
From: John Knapp
Topic: 746 Message: 748

The MRF looks for Saturday looks like the high level
winds will be blowing to the Northeast in the morning
changing to Southeast in the afternoon. The pressure
gradient doesn't look very large.

JohnK

--- verhap@... wrote:
> The NWS is predicting the rain will move out by
> Saturday. Lows
> will be above freezing, but not by much. Today's
> winds puts the
> capsule down almost due north, at a range of 49
> miles. Over the
> next few days a high pressure ridge will park itself
> to our east and
> stay there. This will move the landing site more
> towards the
> northeast. The range to landing may not change
> much.
>
> Paul
>

_____
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749. Re: [tvnsp] Status, 26 Sept, Pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-25 23:34:59 UTC
From: Mike Garske
Topic: 746 Message: 749

Paul, I can pick up the helium tomorrow (Wednesday) and store it until we use it on Saturday, I have plenty of room in the garage for it.

Mike KC7DPD
----- Original Message -----
From: <verhap@...>
To: <tvnsp@yahoogroups.com>
Sent: Tuesday, September 25, 2001 1:35 PM
Subject: [tvnsp] Status, 26 Sept, Pt 2

> Shennans closes at 5:30 PM. I should be able to get there before
> they close, but don't have the Jeep the carry the tanks. Who is
> going to get the tanks? I'll put some money in the TVNSP account
> after work.
>
> The teddy rabbit cutdown is complete. I ran a test with the stop
> watch and was happy with the results. I'll add a little more plywood
> to the sides tonight. I'll look over John's audio beacon and set up a
> boom and battery for it. The rabbit's parachute is complete, but I'm
> concerned it may be a little too small. I may tey to sew a second
> 'chute tonight.
>
> Paul
>
>
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>
>
>
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>
>
>

750. Lat/Longs

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-26 01:08:58 UTC
From: K7JPS - John
Topic: 743 Message: 750

Succor Creek Junction:
Lat: 43.23014 Long: -117.06160 Alt: 4167'

Rome Launch Site:
Lat: 42.83637 Long: -117.62135 Alt: 3400'

John Stone
K7JPS
-----Original Message-----
From: John Knapp [mailto:kd7hgs@...]
Sent: Tuesday, September 25, 2001 07:01
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] Audio Beacon

John, could you send out the launch lat/long for the
Sucker Creek launch site (the one we used last launch
before Twin Falls), also the Rome Launch Site.

Thanks
JohnK

751. TV01G Check List

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-26 04:41:11 UTC
From: k7jps@arrl.net
Topic: 751 Message: 751

Paul and Jeff,

I have uploaded my check list to the list server
http://groups.yahoo.com/group/tvnsp/files/TV01G%20CheckList.xls

Please review and let me know of any changes that need to be made to
it.

John Stone
K7JPS

752. Re: [tvnsp] Status, 26 Sept, Pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-26 17:11:37 UTC
From: Jeff Melanson
Topic: 746 Message: 752

Hi TVNSP Group,

My camcorder has come back from repair. I will test it and make sure the batteries are fully charged. I am almost done with the new wiring harness. I am in the process of adding a second antenna boom for the backup radio. It is almost complete. I will reprogram the TNC for wide 3-3 and increase the transmit rate from 1 minute to 15 or 20 seconds. Paul, I still need the battery pack for the beacon.

Jeff Melanson
KD7INN

753. Re: [tvnsp] Status, 26 Sept, Pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-26 19:24:47 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 746 Message: 753

> Paul, I can pick up the helium tomorrow (Wednesday) and store it until we
> use it on Saturday, I have plenty of room in the garage for it.
>
> Mike KC7DPD

I called Shenhans and put two more tanks on our account. They
won't charge your for them.

Paul

754. Re: [tvnsp] Status, 26 Sept, Pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-26 19:25:37 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 746 Message: 754

> Paul, I can pick up the helium tomorrow (Wednesday) and store it until we
> use it on Saturday, I have plenty of room in the garage for it.

Tell them you're picking them up for the Treasure Valley Near
Space. If you don't, they won't know who to charge the tanks to.

Paul

755. Re: [tvnsp] Status, 26 Sept, Pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-26 18:31:40 UTC
From: Mike Garske
Topic: 746 Message: 755

Thanks Paul, I take it there will be two tanks total, right?

Mike KC7DPD
----- Original Message -----
From: <verhap@...>
To: <tvnsp@yahoogroups.com>
Sent: Wednesday, September 26, 2001 1:25 PM
Subject: Re: [tvnsp] Status, 26 Sept, Pt 2

> > Paul, I can pick up the helium tomorrow (Wednesday) and store it until
we
> > use it on Saturday, I have plenty of room in the garage for it.
>
> Tell them you're picking them up for the Treasure Valley Near
> Space. If you don't, they won't know who to charge the tanks to.
>
> Paul
>
>
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>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
>

756. Re: [tvnsp] Status, 26 Sept, Pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-26 19:27:46 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 746 Message: 756

> My camcorder has come back from repair. I will test it and make sure
> the batteries are fully charged. I am almost done with the new wiring
> harness. I am in the process of adding a second antenna boom for the
> backup radio. It is almost complete. I will reprogram the TNC for wide
> 3-3 and increase the transmit rate from 1 minute to 15 or 20 seconds.
> Paul, I still need the battery pack for the beacon.

I made a note to myself. I'll get it together tonight.

Paul

757. Re: [tvnsp] Status, 26 Sept, Pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-26 19:32:11 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 746 Message: 757

> Thanks Paul, I take it there will be two tanks total, right?

Correct. you may want to bring a towel or sandbag to place
between the tanks. When you turn and they clank into each other,
it will drive you crazy.

Paul

758. Re: [tvnsp] Status, 26 Sept, Pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-26 18:38:35 UTC
From: Mike Garske
Topic: 746 Message: 758

No problem Paul, I will pick them up in a little bit....

Mike KC7DPD

----- Original Message -----
From: <verhap@...>
To: <tvnsp@yahoogroups.com>
Sent: Wednesday, September 26, 2001 1:32 PM
Subject: Re: [tvnsp] Status, 26 Sept, Pt 2

> > Thanks Paul, I take it there will be two tanks total, right?
>
> Correct. you may want to bring a towel or sandbag to place
> between the tanks. When you turn and they clank into each other,
> it will drive you crazy.
>
> Paul
>
>
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>
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>
>
>

759. Re: [tvnsp] TV01G Check List

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-26 19:03:05 UTC
From: Jeff Melanson
Topic: 751 Message: 759

Hi John,

The CW beacon will be on my capsule with the camcorder. Yes it will have Paul's call sign KD4STH. My tracker will be KD7INN-11. There are 5 items to power up on this capsule.

1) The GPS (Before closing the top)
2) The TNC (Before closing the top)
3) The APRS radio (On the control panel)
4) The CW beacon (On the control panel)
5) The camcorder (Access from the side panel)

Paul will have to look at the rest of the checklist for his capsule.

I have just completed and tested the new wiring harness. It is working good. I used a Pfranc connector for the GPS. This saves some weight because the store bought cable was too long and heavy. This also allowed me to eliminate two DB9 connectors. I also added the capablitiy to power the GPS externally should we ever think it's necessary.

Jeff Melanson
KD7INN

k7jps@... wrote:
>
> Paul and Jeff,
>
> I have uploaded my check list to the list server
> http://groups.yahoo.com/group/tvnsp/files/TV01G%20CheckList.xls
>
> Please review and let me know of any changes that need to be made to
> it.
>
> John Stone
> K7JPS
>
>
> To unsubscribe from this group, send an email to:
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>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

760. Re: [tvnsp] Lat/Longs

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-26 19:17:12 UTC
From: John Knapp
Topic: 743 Message: 760

Thanks.

JohnK
--- K7JPS - John <k7jps@...> wrote:
> Succor Creek Junction:
> Lat: 43.23014 Long: -117.06160 Alt: 4167'
>
> Rome Launch Site:
> Lat: 42.83637 Long: -117.62135 Alt: 3400'
>
> John Stone
> K7JPS
> -----Original Message-----
> From: John Knapp [mailto:kd7hgs@...]
> Sent: Tuesday, September 25, 2001 07:01
> To: tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] Audio Beacon
>
>
> John, could you send out the launch lat/long for
> the
> Sucker Creek launch site (the one we used last
> launch
> before Twin Falls), also the Rome Launch Site.
>
> Thanks
> JohnK
>
>

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761. Re: [tvnsp] Status, 26 Sept, Pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-26 19:18:45 UTC
From: John Knapp
Topic: 746 Message: 761

Thanks Mike. I have no way to do so will have to defer
to you. My son has the truck until his vehicle is
fixed.

JohnK
--- Mike Garske <kc7dpd@...> wrote:
> Paul, I can pick up the helium tomorrow (Wednesday)
> and store it until we
> use it on Saturday, I have plenty of room in the
> garage for it.
>
> Mike KC7DPD
> ----- Original Message -----
> From: <verhap@...>
> To: <tvnsp@yahoogroups.com>
> Sent: Tuesday, September 25, 2001 1:35 PM
> Subject: [tvnsp] Status, 26 Sept, Pt 2
>
>
> > Shennans closes at 5:30 PM. I should be able to
> get there before
> > they close, but don't have the Jeep the carry the
> tanks. Who is
> > going to get the tanks? I'll put some money in
> the TVNSP account
> > after work.
> >
> > The teddy rabbit cutdown is complete. I ran a
> test with the stop
> > watch and was happy with the results. I'll add a
> little more plywood
> > to the sides tonight. I'll look over John's audio
> beacon and set up a
> > boom and battery for it. The rabbit's parachute
> is complete, but I'm
> > concerned it may be a little too small. I may tey
> to sew a second
> > 'chute tonight.
> >
> > Paul
> >
> >
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762. Status 26 Sept

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-26 23:49:36 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 762 Message: 762

Weather is predicted to be good for Saturday. Today's prediction puts the capsule down at a heading of 68 deg, and a range of 58 miles.

We'll have to launch from Oregon. Any suggestions? Do we want to get together on Friday night?

Paul

763. Re: [tvnsp] Status 26 Sept

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-27 00:32:27 UTC
From: Mike Garske
Topic: 762 Message: 763

Paul,
I have the two tanks of helium in my garage now.
Friday would work for me to get together for the last minute planning.

Mike KC7DPD
----- Original Message -----
From: <verhap@...>
To: <tvnsp@yahoogroups.com>
Sent: Wednesday, September 26, 2001 5:49 PM
Subject: [tvnsp] Status 26 Sept

> Weather is predicted to be good for Saturday. Today's prediction
> puts the capsule down at a heading of 68 deg, and a range of 58
> miles.
>
> We'll have to launch from Oregon. Any suggestions? Do we want
> to get together on Friday night?
>
> Paul
>
>
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>
>
>
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>
>
>

764. Re: [tvnsp] TV01G Check List

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-26 05:58:05 UTC
From: Bill Herrmann
Topic: 751 Message: 764

Any particulars on the launch available? Both a buddy and I are interested
but neither of us were able to attend the meeting. (The web page doesn't
seem to have details on this flight.)

At first I figured I wouldn't be able to even monitor the APRS activity,
but it looks like soccer games are late enough that I might be able to do more.

Bill
KD7MJC

p.s. Tips on how to participate greatly appreciated. (No I don't own any
helium. <grin>)

765. Re: [tvnsp] TV01G Check List

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-27 14:55:26 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 751 Message: 765

I haven't been able to FTP to the website, so there have been no updates. We'll launch Saturday at about 8:00 AM. This means we'll begin filling around 7:00 AM. We have yet to determine the launch site, although the Jordan Valley area looks good. all you need to do is meet us at the launch site. We may get together tomorrow evening for a review. We're welcome to attend that.

Paul

> Any particulars on the launch available? Both a buddy and I are interested
> but neither of us were able to attend the meeting. (The web page doesn't
> seem to have details on this flight.)
>
> At first I figured I wouldn't be able to even monitor the APRS activity,
> but it looks like soccer games are late enough that I might be able to do more.
>
> Bill
> KD7MJC
>
> p.s. Tips on how to participate greatly appreciated. (No I don't own any
> helium. <grin>)
>
>
>
>
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>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>

766. Re: [tvnsp] TV01G Check List

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-27 14:00:36 UTC
From: Stephanie Steele
Topic: 751 Message: 766

Hi Bill,

Launch is scheduled to be in the Jordan Valley area (most likely Succor Creek Junction) at 8am on Saturday. We plan on being at the launch site at 7am to begin filling and preparing the capsules. Recovery should be in the Treasure Valley. This flight is carrying a camcorder, some experiments, and a stuffed animal with a parachute which will be dropped from the capsule to test the cut away device. Everyone is welcome to come along and the event should be finished up by noon.

In regards to your ps, TVNSP is always happy to accept dontations to help cover the costs of balloons and helium which averages about $200 per flight!

Hope to see you at the launch.

Stephanie

Bill Herrmann wrote:

> Any particulars on the launch available? Both a buddy and I are interested
> but neither of us were able to attend the meeting. (The web page doesn't
> seem to have details on this flight.)
>
> At first I figured I wouldn't be able to even monitor the APRS activity,
> but it looks like soccer games are late enough that I might be able to do more.
>
> Bill
> KD7MJC
>
> p.s. Tips on how to participate greatly appreciated. (No I don't own any
> helium. <grin>)
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

--
Stephanie

****

Send and receive money safely over the Internet by using PayPal. I use it and highly recommend it as a safe and reliable means to conduct business. By using the link below we both will receive a $5 sign up bonus.

https://www.paypal.com/refer/pal=kc7dba%40arrl.net

767. Status, 27 Sept

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-27 17:27:52 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 767 Message: 767

Winds aloft today are stronger than the predictions for Saturday morning. Today's winds put the capsule downrange 77 miles at a bearing of 40 degrees (NE). Saturday's flight will have close to the same heading, but land closer. Has anyone tried the prediction from Succor Creek?

We have the helium. I made the battery for Jeff and the radio beacon. Jeff, I'll drop it off tonight. The audio beacon that John picked up is completed. I mounted my controller to a plastic board, but still have to finish packing the capsule. I also have to load up a roll of film.

I'd like to meet on Friday evening. I assume 7:00 PM at Idaho Pizza in Caldwell is good for everyone. Let me know otherwise.

Paul

768. Re: [tvnsp] TV01G Check List

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-27 16:51:00 UTC
From: John Knapp
Topic: 751 Message: 768

I ran the calculations for this morning. The flight
data is Bearing 53 degrees, flight time of 92 minutes,
and a range of 81 miles. If launced from the Succor
Creek area the landing point would be lat 43.9333
degrees and long -115.7601 degrees. The MRF for
Saturday shows light NE Winds in the early hours
changing to basically east in the afternoon.

Anybody else come up with a prediction yet?

JohnK
--- verhap@... wrote:
> I haven't been able to FTP to the website, so there
> have been no
> updates. We'll launch Saturday at about 8:00 AM.
> This means
> we'll begin filling around 7:00 AM. We have yet to
> determine the
> launch site, although the Jordan Valley area looks
> good. all you
> need to do is meet us at the launch site. We may
> get together
> tomorrow evening for a review. We're welcome to
> attend that.
>
> Paul
>
> > Any particulars on the launch available? Both a
> buddy and I are interested
> > but neither of us were able to attend the meeting.
> (The web page doesn't
> > seem to have details on this flight.)
> >
> > At first I figured I wouldn't be able to even
> monitor the APRS activity,
> > but it looks like soccer games are late enough
> that I might be able to do more.
> >
> > Bill
> > KD7MJC
> >
> > p.s. Tips on how to participate greatly
> appreciated. (No I don't own any
> > helium. <grin>)
> >

> >
> >
> >
> > To unsubscribe from this group, send an email to:
> > tvnsp-unsubscribe@egroups.com
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> >
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769. Saturday's Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-27 18:03:14 UTC
From: Bill Herrmann
Topic: 769 Message: 769

Thanks for all the responses!

Is there a good way to localize the launch site for sure Saturday morning? A voice frequency or tracker to home in on?

I won't be able to make the Friday evening meeting, (It would be politically incorrect for me to do so.) but thanks for the invitation.

Any tips on gear to bring? Is the parachute bunny going to have a transmitter? (If so what frequency?) What time is the cut-down anticipated to occur?

Perhaps most importantly: Are there plans for other launches this fall? (schedule is looking tight on Saturday)

Bill
KD7MJC

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http://www.shopping.altavista.com

770. Re: [tvnsp] Saturday's Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-27 19:31:12 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 769 Message: 770

> Is there a good way to localize the launch site for sure Saturday morning? A voice frequency or tracker to home in on?

If we launch from Succor Creek, then drive south on 95 (from Marsing) into Oregon. There is a sign in BLM lands that will be on the right side (west). We just pulled about 1/2 mile off the road. We'll be communicating on the 24 repeater.

> Any tips on gear to bring? Is the parachute bunny going to have a transmitter? (If so what frequency?) What time is the cut-down anticipated to occur?

An HT definitely. Our last local flight landed outside of Middleton, so it was easy to recover. You'll want boot and long pants. Proably bring something to drink and snack on. We've had a few flights that required a little bit of walking.

> Perhaps most importantly: Are there plans for other launches this fall? (schedule is looking tight on Saturday)

We may try on Sunday. After that, it won't be until the end of October before we launch again.

Paul

771. RE: [tvnsp] TV01G Check List

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-27 23:12:18 UTC
From: K7JPS - John
Topic: 751 Message: 771

Thanks for the updates to the Checklist, I will include them in the final version.

I should be able to meet Friday evening, just say when and where.

John Stone
K7JPS

772. Status, 27 Sept

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-28 14:51:50 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 767 Message: 772

The winds and weather are predicted to be fine for the launch. Looking more carefully at the MRF reports, the winds are about to make a significant change in direction. Any prediction using current winds would be inaccurate. Mark ran a prediction for us, but I don't have it now. We need to run the prediction again with the predicted winds. At 12Z on Saturday, the winds will be from the NW. This will push the balloon to the southeast. If we launch from Jordan Valley, Succor Creek, or Rome, the winds will put the capsule down in the Owyhees. I think we should launch from Fruitland or Ontario.

Inputs?

We'll meet tonight at the Idaho Pizza in Caldwell. I have completed the capsule and have preped the teddy rabbit. I have the battery for Jeff and the radio beacon. I need to power up the capsule when someone is running APRS. There is also an audio beacon on the capsule. The camera has a new roll of film. That should be everything.

Mike picke dup the helium and Jeff has the balloon. Thanks to Mark and NSTAR for the balloon.

Paul

773. Re: [tvnsp] Status, 27 Sept

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-28 14:45:09 UTC
From: John Knapp
Topic: 767 Message: 773

I am concerned about launching from the
Ontario-Fruitland area. If the winds are toward the SE
then the balloon has a good chance of landing in the
Orchid Training area, most of which is off limits. If
for some reason the wind is more from the west then we
are in the mountains north of Idaho City. I still
believe we are best served to launch from North of
Rome or north of Succor Creek. Maybe the Wilder area
would be a good choice.

John Knapp
KD7HGS

--- verhap@... wrote:
> The winds and weather are predicted to be fine for
> the launch.
> Looking more carefully at the MRF reports, the winds
> are about to
> make a significant change in direction. Any
> prediction using
> current winds would be inaccurate. Mark ran a
> prediction for us,
> but I don't have it now. We need to run the
> prediction again with
> the predicted winds. At 12Z on Saturday, the winds
> will be from
> the NW. This will push the balloon to the
> southeast. If we launch
> from Jordan Valley, Succor Creek, or Rome, the winds
> will put the
> capsule down in the Owyhees. I think we should
> launch from
> Fruitland or Ontario.
>
> Inputs?
>
> We'll meet tonight at the Idaho Pizza in Caldwell.
> I have completed
> the capsule and have preped the teddy rabbit. I
> have the battery for
> Jeff and the radio beacon. I need to power up the
> capsule when
> someone is running APRS. There is also an audio
> beacon on the
> capsule. The camera has a new roll of film. That

> should be
> everything.
>
> Mike picke dup the helium and Jeff has the balloon.
> Thanks to
> Mark and NSTAR for the balloon.
>
> Paul
>

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774. Re: [tvnsp] Status, 28 Sept

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-28 15:50:15 UTC
From: Jeff Melanson
Topic: 774 Message: 774

Hi all,

I am doing final testing on the tracker today, then I will start the capsule assembly. I will get the beacon battery from Paul tonight. Paul did you make the link lines yet?

Jeff Melanson
KD7INN

775. Re: [tvnsp] Status, 28 Sept

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-28 16:52:58 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 774 Message: 775

> Paul
> did you make the link lines yet?

The link lines for this flight are doubled link lines. We'll use key rings to link them together.

Paul

776. Re: [tvnsp] Status, 28 Sept

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-28 22:03:45 UTC
From: Jeff Melanson
Topic: 774 Message: 776

Paul,

Can you bring your scale tonight?

Jeff Melanson
KD7INN

777. Re: [tvnsp] Status, 28 Sept

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-28 23:44:54 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 774 Message: 777

I'll bring it.

> Paul,
>
> Can you bring your scale tonight?
>
> Jeff Melanson
> KD7INN
>
>
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>

778. Status, 28 Sept

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-29 05:37:41 UTC
From: K7JPS - John
Topic: 774 Message: 778

At our meeting this evening we decided to move the launch site to the Swan Falls overlook South of Kuna on the Snake River. An estimate of the lat/long is N 43.25 W 116.37 Elev 3000. We will begin the balloon fill at 7:00am and launch at 8:00am MDT (1400 UTC). We will be using the .24 repeater for chase communications.

Between Friday morning's and Friday evening's NWS data, the winds have moved from a bearing of 35 to 62 and slowed significantly. We are hoping that the winds will continue to change direction during the night so that the heading is between 90 and 135, with a touchdown East of Mtn Home. If not, the current predictions would see a touchdown north of Pine.

Stephanie, If you read this, please remember to bring your directional antenna - Like I need to ask after the last launch :)

John Stone
K7JPS

779. TVO1G

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-29 16:20:32 UTC
From: Tim Rynearson
Topic: 779 Message: 779
Attachments: 1 described; binary payloads are missing from this source WARC

I was able to watch the last 40 minutes of the flight from home here in Emmett. Looks like it was a successful mission !! The positon reports were also gated to the internet at a very good rate of update. I've attached the flight positon reports in a text file that can be re-run on WinAprs.

Tim, N7UBO........

780. Re: [tvnsp] TVO1G

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-29 21:28:22 UTC
From: John Knapp
Topic: 779 Message: 780

I was hoping Paul would be the first to respond but
the launch, flight, and recovery was excellent. I will
let Paul do the details but basically it was a text
book flight.

Thanks to the gang for a fun day.

John Knapp
KD7HGS
--- Tim Rynearson <n7ubo@...> wrote:
> I was able to watch the last 40 minutes of the
> flight from home here in Emmett. Looks like it was a
> successful mission !! The positon reports were also
> gated to the internet at a very good rate of update.
> I've attached the flight positon reports in a text
> file that can be re-run on WinAprs.
>
> Tim, N7UBO........>
KD7INN-11>GPSPO,WIDE3-2:$GPRMC,145524,A,4305.1119,N,11558.1916,W,58.3,138.7,290901,15.0,E,
A*03
>
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,*73
>
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,*7B
>
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,*7B
>
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>
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A*02
>
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A*02
> KD7INN-11>BEACON,WIDE3-3:>Treasure Valley Near Space
> Project
>
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,*79
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A*0B
>
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>
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>
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*47
>
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A*0D
>
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>
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*46
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*46
>
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*46
>
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>
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*47
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*47
>
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*44
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*44
>
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A*07
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>
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*4F
>
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*4F
>
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>
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>
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A*06
>
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*4A
>
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>
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KD7INN-11>GPSPO,WIDE3-2:$GPRMC,150532,A,4259.4698,N,11553.1343,W,43.0,149.5,290901,14.9,E,
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KD7INN-11>GPSPO,WIDE3-2:$GPRMC,150550,A,4259.2753,N,11553.0166,W,46.2,164.8,290901,14.9,E,
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KD7INN-11>GPSPO,WIDE3-1:$GPRMC,150550,A,4259.2753,N,11553.0166,W,46.2,164.8,290901,14.9,E,
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> KD7INN-11>BEACON,WIDE3-3:>Treasure Valley Near Space
> Project
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> KD7INN-11>BEACON,WIDE3-2:>Treasure Valley Near Space
> Project
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KD7INN-11>GPSPO,WIDE3-2:$GPRMC,150648,A,4258.7499,N,11552.8154,W,26.4,172.2,290901,14.9,E,
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KD7INN-11>GPSPO,WIDE3-2:$GPRMC,150744,A,4258.2833,N,11552.5478,W,39.5,162.0,290901,14.9,E,
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KD7INN-11>GPSPO,WIDE3-1:$GPRMC,150744,A,4258.2833,N,11552.5478,W,39.5,162.0,290901,14.9,E,
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KD7INN-11>GPSPO,WIDE3-2:$GPRMC,150900,A,4257.6944,N,11552.2664,W,28.0,149.7,290901,14.9,E,
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KD7INN-11>GPSPO,WIDE3-2:$GPRMC,151036,A,4256.8886,N,11551.8526,W,40.5,145.9,290901,14.9,E,
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KD7INN-11>GPSPO,WIDE3-3:$GPGGA,151040,4256.8474,N,11551.8274,W,1,11,1.5,7081.5,M,-18.3,M,,

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KD7INN-11>GPSPO,WIDE3-2:$GPRMC,151132,A,4256.3605,N,11551.6056,W,29.3,169.3,290901,14.9,E,
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KD7INN-11>GPSPO,WIDE3-3:$GPRMC,151230,A,4255.8278,N,11551.3601,W,29.0,171.5,290901,14.9,E,
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KD7INN-11>GPSPO,WIDE3-2:$GPRMC,151230,A,4255.8278,N,11551.3601,W,29.0,171.5,290901,14.9,E,
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KD7INN-11>GPSPO,WIDE3-3:$GPGGA,151240,4255.7387,N,11551.3156,W,1,11,1.0,6581.7,M,-18.3,M,,
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KD7INN-11>GPSPO,WIDE3-3:$GPRMC,151248,A,4255.6709,N,11551.3014,W,27.3,165.3,290901,14.9,E,
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KD7INN-11>GPSPO,WIDE3-2:$GPRMC,151248,A,4255.6709,N,11551.3014,W,27.3,165.3,290901,14.9,E,
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KD7INN-11>GPSPO,WIDE3-3:$GPGGA,151324,4255.3660,N,11551.2106,W,1,11,0.9,6400.2,M,-18.3,M,,
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KD7INN-11>GPSPO,WIDE3-2:$GPGGA,151324,4255.3660,N,11551.2106,W,1,11,0.9,6400.2,M,-18.3,M,,
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KD7INN-11>GPSPO,WIDE3-3:$GPRMC,151326,A,4255.3506,N,11551.2072,W,27.0,170.3,290901,14.9,E,

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KD7INN-11>GPSPO,WIDE3-2:$GPRMC,151326,A,4255.3506,N,11551.2072,W,27.0,170.3,290901,14.9,E,
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A*08
>
KD7INN-11>GPSPO,WIDE3-2:$GPGGA,151354,4255.0703,N,11551.0829,W,1,11,1.0,6260.0,M,-18.3,M,,
*43
>
KD7INN-11>GPSPO,WIDE3-3:$GPRMC,151404,A,4254.9659,N,11551.0240,W,35.2,147.0,290901,14.9,E,
A*06
>
KD7INN-11>GPSPO,WIDE3-2:$GPRMC,151404,A,4254.9659,N,11551.0240,W,35.2,147.0,290901,14.9,E,
A*06
>
KD7INN-11>GPSPO,WIDE3-3:$GPGGA,151410,4254.9185,N,11551.0054,W,1,11,1.1,6183.4,M,-18.3,M,,
*4D
>
KD7INN-11>GPSPO,WIDE3-2:$GPGGA,151410,4254.9185,N,11551.0054,W,1,11,1.1,6183.4,M,-18.3,M,,
*4D
>
KD7INN-11>GPSPO,WIDE3-1:$GPGGA,151410,4254.9185,N,11551.0054,W,1,11,1.1,6183.4,M,-18.3,M,,
*4D
>
KD7INN-11>GPSPO,WIDE3-3:$GPRMC,151424,A,4254.7928,N,11550.9952,W,33.1,179.9,290901,14.9,E,
A*02
>
KD7INN-11>GPSPO,WIDE3-2:$GPRMC,151424,A,4254.7928,N,11550.9952,W,33.1,179.9,290901,14.9,E,
A*02
>
KD7INN-11>GPSPO,WIDE3-2:$GPRMC,151442,A,4254.6364,N,11550.9479,W,33.9,179.6,290901,14.9,E,
A*02
>
KD7INN-11>GPSPO,WIDE3-2:$GPGGA,151454,4254.5420,N,11550.9128,W,1,11,1.2,5977.7,M,-18.3,M,,
*49
>
KD7INN-11>GPSPO,WIDE3-1:$GPGGA,151454,4254.5420,N,11550.9128,W,1,11,1.2,5977.7,M,-18.3,M,,
*49
>
KD7INN-11>GPSPO,WIDE3-3:$GPRMC,151502,A,4254.4686,N,11550.8837,W,35.8,167.2,290901,14.9,E,
A*07
>
KD7INN-11>GPSPO,WIDE3-2:$GPRMC,151502,A,4254.4686,N,11550.8837,W,35.8,167.2,290901,14.9,E,

A*07
>
KD7INN-11>GPSPO,WIDE3-3:$GPGGA,151524,4254.2764,N,11550.8759,W,1,06,2.1,5856.2,M,-18.3,M,,
*4B
>
KD7INN-11>GPSPO,WIDE3-3:$GPRMC,151540,A,4254.1725,N,11550.8403,W,24.3,156.6,290901,14.9,E,
A*0A
>
KD7INN-11>GPSPO,WIDE3-2:$GPGGA,151540,4254.1725,N,11550.8403,W,1,11,1.0,5780.0,M,-18.3,M,,
*41
>
KD7INN-11>GPSPO,WIDE3-2:$GPRMC,151540,A,4254.1725,N,11550.8403,W,24.3,156.6,290901,14.9,E,
A*0A
> KD7INN-11>BEACON,WIDE3-3:>Treasure Valley Near Space
> Project
> KD7INN-11>BEACON,WIDE3-2:>Treasure Valley Near Space
> Project
>
KD7INN-11>GPSPO,WIDE3-2:$GPGGA,151554,4254.0934,N,11550.8251,W,1,11,1.1,5714.7,M,-18.3,M,,
*41
>
KD7INN-11>GPSPO,WIDE3-2:$GPRMC,151558,A,4254.0657,N,11550.8293,W,24.4,186.7,290901,14.9,E,
A*02
>
KD7INN-11>GPSPO,WIDE3-3:$GPGGA,151610,4253.9807,N,11550.8173,W,1,11,0.9,5641.4,M,-18.3,M,,
*45
>
KD7INN-11>GPSPO,WIDE3-2:$GPGGA,151610,4253.9807,N,11550.8173,W,1,11,0.9,5641.4,M,-18.3,M,,
*45
>
KD7INN-11>GPSPO,WIDE3-3:$GPRMC,151618,A,4253.9210,N,11550.8258,W,28.3,187.1,290901,14.9,E,
A*07
>
KD7INN-11>GPSPO,WIDE3-2:$GPRMC,151618,A,4253.9210,N,11550.8258,W,28.3,187.1,290901,14.9,E,
A*07
>
KD7INN-11>GPSPO,WIDE3-3:$GPGGA,151624,4253.8827,N,11550.8229,W,1,11,1.3,5575.6,M,-18.3,M,,
*40
>
KD7INN-11>GPSPO,WIDE3-2:$GPGGA,151624,4253.8827,N,11550.8229,W,1,11,1.3,5575.6,M,-18.3,M,,
*40
>
KD7INN-11>GPSPO,WIDE3-1:$GPGGA,151624,4253.8827,N,11550.8229,W,1,11,1.3,5575.6,M,-18.3,M,,
*40
>
KD7INN-11>GPSPO,WIDE3-3:$GPRMC,151636,A,4253.7866,N,11550.8174,W,23.0,194.5,290901,14.9,E,
A*0D
>
=== message truncated ===

Do You Yahoo!?
Listen to your Yahoo! Mail messages from any phone.
http://phone.yahoo.com

781. TV01G Landing Photos

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-30 06:27:19 UTC
From: Stephanie Steele
Topic: 781 Message: 781

Hi everyone,

We had a great time today. Thanks to everyone for being such a good group to work with. I checked my camera when I got home and have a couple of really poor quality 5 second mpgs of the capsules and parachute on decent. I also have one still that you can just make the package out. I appologize but the lighting was just not good with the desending capsules so near the sun. Had I thought of it, I could have changed modes on the camera and possibly had better results, but I was so enjoying seeing the desending package that I didn't think of it. A sunshade for the lens might also have been a great help, but maybe next time. I also have a number of photos taken on the ground. If anyone is interested, please drop me a note and I'll send them to you by email.

--
Stephanie

****

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https://www.paypal.com/refer/pal=kc7dba%40arrl.net

782. Re: [tvnsp] TV01G Landing Photos

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-30 16:08:18 UTC
From: Randy Farley
Topic: 781 Message: 782

I would like to see them Stephanie, so fire my way.
Ditto on the fun day.

Stephanie Steele wrote:
>
> Hi everyone,
>
> We had a great time today. Thanks to everyone for being such a good
> group to work with. I checked my camera when I got home and have a
> couple of really poor quality 5 second mpgs of the capsules and
> parachute on decent. I also have one still that you can just make the
> package out. I appologize but the lighting was just not good with the
> desending capsules so near the sun. Had I thought of it, I could have
> changed modes on the camera and possibly had better results, but I was
> so enjoying seeing the desending package that I didn't think of it. A
> sunshade for the lens might also have been a great help, but maybe next
> time. I also have a number of photos taken on the ground. If anyone is
> interested, please drop me a note and I'll send them to you by email.
>
> --
> Stephanie
>
> ******************************
>
> Send and receive money safely over the Internet by using PayPal. I use
> it and highly recommend it as a safe and reliable means to conduct
> business. By using the link below we both will receive a $5 sign up
> bonus.
>
> https://www.paypal.com/refer/pal=kc7dba%40arrl.net
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

--
Regards,
Randy Farley
N7GPS -Ham Call-
My Home at: http://map.findu.com/n7gps
Find my pickup at: http://map.findu.com/n7gps-9

Also see daily weather radar reports for my positions at:
(scroll to bottom of page)
http://www.findu.com/cgi-bin/find.cgi?call=n7gps&radar=CBX

783. TV01G - Video from liftoff to landing!

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-30 16:42:28 UTC
From: Jeff Melanson
Topic: 783 Message: 783

Hi all,

TV01G was a successful flight. Details will be posted later. We have watched the video tape. It is a pretty good video. There was one glitch. The focus was set to AUTO instead of manually setting it to infinity. During the flight the camera was having difficulty focusing. Even so the video looks pretty good. The landing looks excellent. You can even see the shadow of the parachute moments before touchdown. The max altitude was 44,111 ft. The video image is very stable during the entire flight. Even when the ballon burst it remained stable. The video capsule was the top one. We think the top capsule is more stable than the bottom capsule. We use four link lines between the capsule's. They were about 24 inches long. This flight was flown on the 350 gm balloon donated by Ralph Wallio. Mark, we did come close to but missed the power lines. We will send both of you a copy of the video. At one point the chase crew was almost directly under the balloon. We got out and watched it descending from about 11,000 ft. We didn't get to see it land. A farmer watched it land but stayed well clear of it because it made him a little nervous.
Next month we are going to fly the same package with some minor changes. We will be using a 1500 gm balloon. I will set the camera for a 4 hour recording time. The microphone for the camera is inside the capsule. I only made room for the lens to peek outside. As a result the microphone picks up a high pitch wine from the camera. I will modify the camera housing to expose the microphone to the outside. We want to replace the CW beacon with a repeater and get the Montana group to launch at the same time with there repeater. We did see Montana's balloon on APRS while they were near maximum altitude. It was 372 miles from us. I have 87,533 ft. for an altitude but I think that was after burst. I believe it was over 90,000 ft.

Jeff Melanson
KD7INN

784. Re: [tvnsp] TV01G Landing Photos

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-30 17:14:05 UTC
From: Stephanie Steele
Topic: 781 Message: 784
Attachments: 1 described; binary payloads are missing from this source WARC

--
Stephanie

****

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785. Re: [tvnsp] TV01G - Video from liftoff to landing!

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-30 18:20:57 UTC
From: Mark Conner
Topic: 783 Message: 785

Congratulations on the great flight! I'm looking forward to seeing the videotape. I had an appointment Saturday morning so I couldn't watch the data on the Internet.

What kind of video camera are you using? I've been using a VHS-C camera which has a maximum of 2 hours recording time.

I'll be sending Paul a copy of the NSTAR 01-E videotape soon.

I'm slowly getting parts together for the next NSTAR capsule. I have a BS2p on order, purchased a Canon Elph LT on eBay, and got another Yaesu VX-1R to use for a backup APRS beacon. The backup beacon will consist of the VX-1R, a Motorola Oncore M12 GPS unit, and either a MIM module or a TinyTrak II. This should give me a fully-redundant APRS beacon for about 8-10 ounces (depending on batteries).

73 de Mark N9XTN

Mark D. Conner
E-mail: n9xtn@...
Homepage: http://members.home.net/mconner1
"Arrogance and stupidity, all in the same package.....how efficient of you!" - Ambassador Londo Mollari, Babylon 5

786. Re: [tvnsp] TV01G - Video from liftoff to landing!

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-09-30 19:11:53 UTC
From: Jeff Melanson
Topic: 783 Message: 786

Hi Mark,

The camera is a Sony Hi8 TRV68. On it's first flight it went to about 85,000 ft. The little black and white viewfinder failed. This flight was 44,111 ft. Nothing failed. We will be sending back to 85,000ft on the next flight. I'll let you know if the viewfinder fails again. The failure could have been a coincidence. We'll find out soon.

Jeff Melanson
KD7INN

Mark Conner wrote:
> Congratulations on the great flight! I'm looking forward to seeing the
> videotape. I had an appointment Saturday morning so I couldn't watch the
> data on the Internet.
>
> What kind of video camera are you using? I've been using a VHS-C camera
> which has a maximum of 2 hours recording time.
>
> I'll be sending Paul a copy of the NSTAR 01-E videotape soon.
>
> I'm slowly getting parts together for the next NSTAR capsule. I have a BS2p
> on order, purchased a Canon Elph LT on eBay, and got another Yaesu VX-1R to
> use for a backup APRS beacon. The backup beacon will consist of the VX-1R,
> a Motorola Oncore M12 GPS unit, and either a MIM module or a TinyTrak II.
> This should give me a fully-redundant APRS beacon for about 8-10 ounces
> (depending on batteries).
>
> 73 de Mark N9XTN
>
> ------
> Mark D. Conner
> E-mail: n9xtn@...
> Homepage: http://members.home.net/mconner1
> "Arrogance and stupidity, all in the same package.....how efficient
> of you!" - Ambassador Londo Mollari, Babylon 5
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

787. Re: [tvnsp] TV01G Landing Photos

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-01 02:49:55 UTC
From: Chuck Smith
Topic: 781 Message: 787

I would like to see them Stephanie.... so send them my way also.

Chuck

788. Re: [tvnsp] TV01G Landing Photos

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-01 05:57:23 UTC
From: Stephanie Steele
Topic: 781 Message: 788

Sorry to the group. I just realized that I sent these to the list
.... twice! Oops. I'll send them direct next time.

--
Stephanie

****

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business. By using the link below we both will receive a $5 sign up
bonus.

https://www.paypal.com/refer/pal=kc7dba%40arrl.net

789. Re: [tvnsp] TV01G Landing Photos

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-01 15:33:55 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 781 Message: 789

Can you put your pictures out on the listserv webpage?

Paul

790. Flight TV01G

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-01 19:06:07 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 790 Message: 790

Nice flight!

This is more of what we get in the midwest. First the failures with my capsule. The CC/PS (flight computer) operated well, but not without a few problems. Most of the GPS sentences were sent to the MIM, but a few characters in the begging of each sentence didn't show up on the log. That's one software error I need to look at, it shouldn't be a problem with the hardware. The CC/PS took pictures up to 35,000 feet, when the teddy rabbit was released. However, it didn't take pictures above that altitude. The cause is another item to research. Unfortunately the timer released the rabbit a minute or so before the CC/PS. So we didn't get pictures of the rabbit making his plunge to the ground. We should have set the time for 15 minutes later.

Both cutdown devices worked as designed. However the CC/PS operated one melted a lot of styrofoam. I checked the flight code, the CC/PS should have operated the cutdown for only 1.5 seconds. I did set a bit on the teddy rabbit code, so it should have only operated once. More research.

I'm putting together a list of photographs. I'll make that available in the next day.

Paul

791. Re: [tvnsp] Flight TV01G

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-02 02:29:58 UTC
From: Mike Garske
Topic: 790 Message: 791

Paul and the group,

I am working on "Photo Analysis" of the stills taken on the flight, so far I have positively ID'ed the first 10 pictures locations. The rest are a little harder, with the altitude and lack of good roads to identify the location. I will send a list of the pictures and what they were taken of soon......

Great flight!!

Mike KC7DPD
----- Original Message -----
From: <verhap@...>
To: <tvnsp@yahoogroups.com>
Sent: Monday, October 01, 2001 1:06 PM
Subject: [tvnsp] Flight TV01G

> Nice flight!
>
> This is more of what we get in the midwest. First the failures with
> my capsule. The CC/PS (flight computer) operated well, but not
> without a few problems. Most of the GPS sentences were sent to
> the MIM, but a few characters in the begging of each sentence
> didn't show up on the log. That's one software error I need to look
> at, it shouldn't be a problem with the hardware. The CC/PS took
> pictures up to 35,000 feet, when the teddy rabbit was released.
> However, it didn't take pictures above that altitude. The cause is
> another item to research. Unfortunately the timer released the
> rabbit a minute or so before the CC/PS. So we didn't get pictures
> of the rabbit making his plunge to the ground. We should have set
> the time for 15 minutes later.
>
> Both cutdown devices worked as designed. However the CC/PS
> operated one melted a lot of styrofoam. I checked the flight code,
> the CC/PS should have operated the cutdown for only 1.5 seconds.
> I did set a bit on the teddy rabbit code, so it should have only
> operated once. More research.
>
> I'm putting together a list of photographs. I'll make that available in
> the next day.
>
> Paul
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>

>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
>

792. PCSat was launched!

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-02 02:51:35 UTC
From: Mike Garske
Topic: 792 Message: 792

Looks like they launched the PCSat on the 29th.....that should help us tracking the balloons in the future! Here's the link:

http://www.space.com/missionlaunches/athena_launch_010929.html

Mike KC7DPD

793. Re: [tvnsp] TV01G Landing Photos

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-01 05:55:38 UTC
From: Stephanie Steele
Topic: 781 Message: 793
Attachments: 1 described; binary payloads are missing from this source WARC

Here you go Chuck. You should come to one of the balloon launches. You'd have a blast.

--
Stephanie

****

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794. New file uploaded to tvnsp

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-02 05:27:15 UTC
From: tvnsp@yahoogroups.com
Topic: 794 Message: 794

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the tvnsp
group.

File : /TV01G.exe
Uploaded by : kc7dba@...
Description : TV01G Photo Collection

You can access this file at the URL

http://groups.yahoo.com/group/tvnsp/files/TV01G.exe

To learn more about file sharing for your group, please visit

http://help.yahoo.com/help/us/groups/files

Regards,

kc7dba@...

795. Re: [tvnsp] TV01G Landing Photos

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-02 05:28:22 UTC
From: Stephanie Steele
Topic: 781 Message: 795

Done!

verhap@... wrote:

> Can you put your pictures out on the listserv webpage?
>
> Paul
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

--
Stephanie

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

Send and receive money safely over the Internet by using PayPal. I use it and
highly recommend it as a safe and reliable means to conduct business. By
using the link below we both will receive a $5 sign up bonus.

https://www.paypal.com/refer/pal=kc7dba%40arrl.net

796. Re: [tvnsp] Flight TV01G

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-02 14:59:14 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 790 Message: 796
Attachments: 1 described; binary payloads are missing from this source WARC

> I am working on "Photo Analysis" of the stills taken on the flight, so far I
> have positively ID'ed the first 10 pictures locations. The rest are a little
> harder, with the altitude and lack of good roads to identify the location. I
> will send a list of the pictures and what they were taken of soon......
>
> Great flight!!

Here's the photo log I put together last night.

I'm also including the Excel spread sheet I put together from the
KD4STH-11 data.

Paul

797. Capsule Hunting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-03 17:09:42 UTC
From: Jeff Melanson
Topic: 797 Message: 797

Mike Garske and all,

I contacted Steve Strom and he is available to do another search for the capsule this Sunday or most other Sunday's. Just let me know what you want to do.

Jeff Melanson
KD7INN

798. Re: [tvnsp] Capsule Hunting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-03 20:19:50 UTC
From: Mike Garske
Topic: 797 Message: 798

Jeff,

Ok, I am game for this Sunday...just give me a time and place to meet him!
If he needs to get flying early in the morning, say around 7am, I should be
able to get out of work early on Sunday morning...if he needs to talk to me,
my home phone number is 846-9219.

Mike KC7DPD
----- Original Message -----
From: "Jeff Melanson" <kd7inn@...>
To: <tvnsp@yahoogroups.com>
Sent: Wednesday, October 03, 2001 11:09 AM
Subject: [tvnsp] Capsule Hunting

> Mike Garske and all,
>
> I contacted Steve Strom and he is available to do another search for
> the capsule this Sunday or most other Sunday's. Just let me know what
> you want to do.
>
> Jeff Melanson
> KD7INN
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
>

799. Re: [tvnsp] Capsule Hunting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-03 22:07:49 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 797 Message: 799

Don't forget, the new prediction puts the capsule down 13 miles
east-northeast of the butte.

Paul

> Ok, I am game for this Sunday...just give me a time and place to meet him!
> If he needs to get flying early in the morning, say around 7am, I should be
> able to get out of work early on Sunday morning...if he needs to talk to me,
> my home phone number is 846-9219.

800. Re: [tvnsp] Capsule Hunting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-03 22:23:00 UTC
From: Mike Garske
Topic: 797 Message: 800

No problem, I have the email that was sent with the new predictions, I will program my GPS with these coordinates.

Is anyone else going on Sunday?

Mike KC7DPD

801. Re: [tvnsp] Capsule Hunting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-04 16:19:00 UTC
From: Jeff Melanson
Topic: 797 Message: 801

Hi Mike,

Unless the other person is small I would suggest you went by yourself. The back seat of the plane is not very roomy. Just ask John Stone. It's also good to keep the weight down in the plane. Call Western Aircraft at 338-1800 and ask for Steve Strom in inspections deptartment. He may want to meet with you first and see your search plan. His airplane is hangared in Kuna but he may want to pick you up at the Nampa Airport. This is because the Kuna airport is short. The more weight you have the more runway you need. Does someone have a tracker that Mike can take with him? Can those of us who committed some gas money get that to Mike Garske ahead of time? I pledged $25 there were 3 others. We might need one more pledge because this flight will be longer than the last one.

Mike Garske wrote:
>
> No problem, I have the email that was sent with the new predictions, I will
> program my GPS with these coordinates.
>
> Is anyone else going on Sunday?
>
> Mike KC7DPD
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

802. Re: [tvnsp] Capsule Hunting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-04 19:58:43 UTC
From: Mike Garske
Topic: 797 Message: 802

Jeff,

I am at work this next couple nights until Sunday morning, so I probably can't meet with him before then. I will give him a call before work tonight around 4pm.
As for the gas money, I can cover it until we all meet for the next launch at the end of the month. I know I will pay $25, and I know Stephanie has chipped in already too. And if it goes over, I will not have a problem with that....I am really looking forward to flying!

Also, what was the model of your laptop again, Jeff? I think I looked up the right one on Crucial's website, www.crucial.com. For around $100 you can max out the memory to 80MB. Pretty cheap upgrade right now!

Mike KC7DPD

803. RE: [tvnsp] Capsule Hunting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-05 03:55:44 UTC
From: K7JPS - John
Topic: 797 Message: 803

I would love to go flying again, but am unable to this weekend, so godspeed Mike. May you be more successful then Paul and I.

John Stone
K7JPS
-----Original Message-----
From: Jeff Melanson [mailto:kd7inn@...]
Sent: Thursday, October 04, 2001 10:19
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] Capsule Hunting

Hi Mike,

Unless the other person is small I would suggest you went by yourself.
The back seat of the plane is not very roomy. Just ask John Stone. It's also good to keep the weight down in the plane. Call Western Aircraft at 338-1800 and ask for Steve Strom in inspections deptartment. He may want to meet with you first and see your search plan. His airplane is hangared in Kuna but he may want to pick you up at the Nampa Airport. This is because the Kuna airport is short. The more weight you have the more runway you need. Does someone have a tracker that Mike can take with him? Can those of us who committed some gas money get that to Mike Garske ahead of time? I pledged $25 there were 3 others. We might need one more pledge because this flight will be longer than the last one.

Mike Garske wrote:
>
> No problem, I have the email that was sent with the new predictions, I will
> program my GPS with these coordinates.
>
> Is anyone else going on Sunday?
>
> Mike KC7DPD
>
>
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804. RE: [tvnsp] Flight TV01G

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-05 03:55:48 UTC
From: K7JPS - John
Topic: 790 Message: 804

For those of you who have copies of the photos from the flight, this is the list of headings for each of the pictures. The bearing is the direction the camera was pointing so that you can orient them to north. I found matching marks to overlap all but the first photo.

1) 270? 8) 100? 15) 010?
2) 090? 9) 110? 16) 270?
3) 080? 10) 310? 17) 220?
4) 080? 11) 140? 18) 060?
5) 270? 12) 150? 19) 240?
6) 180? 13) 010? 20) 300?
7) 010? 14) 200? 21) 210?

John Stone
K7JPS
-----Original Message-----
From: verhap@... [mailto:verhap@...]
Sent: Tuesday, October 02, 2001 08:59
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] Flight TV01G

> I am working on "Photo Analysis" of the stills taken on the flight, so far I
> have positively ID'ed the first 10 pictures locations. The rest are a little
> harder, with the altitude and lack of good roads to identify the location. I
> will send a list of the pictures and what they were taken of soon......
>
> Great flight!!

Here's the photo log I put together last night.

I'm also including the Excel spread sheet I put together from the KD4STH-11 data.

Paul

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805. Re: [tvnsp] Capsule Hunting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-05 13:59:59 UTC
From: Mike Garske
Topic: 797 Message: 805

Paul,

What's the general description of the balloon, like the color of the parachute, etc.?

I talked to Steve Strom, the pilot, and have made arrangements for Sunday morning to meet him at Nampa airport. As long as the weather holds up, the flight is still a go!

Mike KC7DPD

806. Amateur High Altitude Ballooning Mission Records - 3Q01 update

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-05 17:48:29 UTC
From: Ralph Wallio, W0RPK
Topic: 806 Message: 806

(Additional ballooning topic links at bottom of page.)

TNX es 73 de Ralph Wallio, W0RPK
wallio@...
http://users.crosspaths.net/~wallio

Amateur High Altitude Ballooning Mission Records
Last update: 27Sep01
http://users.crosspaths.net/~wallio/records.html

Highest GPS Reported Altitude (ASL)
1. Norm Kjome (KB7ZJT) 20Mar99 120,522ft ASL (SA)
2. SSOK (WB?DRL) 08Jan00 117,460ft ASL (SA)
3. KNSP-99A (KD4STH) 06Feb99 114,399ft ASL (SA)

Lowest Reported Maximum Altitude (AGL)
1. HABET-H30 (ISGC/ISU) 02Mar00 4,903ft AGL
2. HABET-H36 (ISGC/ISU) 30Mar00 13,511ft AGL
3. HABET-H42 (ISGC/ISU) 08Sep00 16,301ft AGL

Highest Continuous Ascent Rate (averaged over >10,000ft)
1. HABET-L21 (ISGC/ISU) 10Oct98 1435.4ft/min
2. NSTAR-01A (N9XTN) 14Apr01 1384.5ft/min
3. MABEL-1 (W8IC, et al.) 05Nov00 1359.9ft/min

Lowest Continuous Ascent Rate (averaged over >10,000ft)
1. EOSS-50 21Apr01 246.8ft/min
2. TVNSP 01-D (KD4STH) 30Jun01 326.4ft/min
3. HABET-H43 (ISGC/ISU) 21Nov00 449.5ft/min

Longest Great Circle Distance, Release to Touchdown
1. SSOK (WB?DRL) 08Jan00 703.02 Miles (Floater)
2. NS0-1 (Near Space Balloon Group) 25Mar00 152.73 Miles
3. NSTAR-00A (N9XTN) 07Oct00 118.55 Miles

Shortest Great Circle Distance, Release to Touchdown
1. HABITAT SKYLAB (KA0JLF) 25Sep99 8.71 Miles
2. NSBG-NS1-1 (N3KKM) 28Apr01 9.80 Miles
3. KNSP-99E (KD4STH) 20Jun00 9.89 Miles

Longest Mission In Time, Release to Touchdown
1. SSOK (WB?DRL) 08Jan00 14:01:39>19:28:10 5h26m31s (Last GPS data right after burst)
2. HamBONE-LD1 27Jun01 10:12>14:50z 4h38m
3. BEAR-1 (Balloon Experiments with Amateur Radio) 27May00 15:13:33>19:46:36 4h33m03s

Heaviest Payload
1. Project HALO Rockoon (WB8ELK-KE4ROC-K4ZQM) 11May97 92.0 Pounds
2. HABET-H42 (ISGC/ISU) 08Sep00 49.0 Pounds
3. HABET-H43 (ISGC/ISU) 21Nov00 43.0 Pounds

Lightest payload
1. ITA-2 (Into Thin Air/KA2QPG) 19Mar00 0.21 Pounds - Voltage and Temperatures via 10M CW
2. SQ3 (SkyQuest/N1LTV) 21May00 0.41 Pounds - 2m CW/RTTY Voltage and Temperatures
3. ITA-3 (Into Thin Air/KA2QPG) 04Jun00 0.46 Pounds - Voltage/Pressure/Temperatures via 10M CW

Largest Envelope(s) (Fully Expanded Volume)
1(Tie). HABET-H42 (ISGC/ISU) 08Sep00 40,904ft^3 KCI-3000 and 2xKCI-100
1(Tie). HABET-H43 (ISGC/ISU) 21Nov00 40,904ft^3 KCI-3000 and 2xKCI-100
2(Tie). SSOK (WB?DRL) 08Jan00 40,626ft^3 KCI-3000
2(Tie). BOI-2 (Balloons Over Idaho) 27May00 40,626ft^3 KCI-3000
2(Tie). Norm Kjome (KB7ZJT) 20Mar99 40,626ft^3 KCI-3000

Smallest Envelope (Fully Expanded Volume)
1. SQ3 (SkyQuest/N1LTV) 21May00 500ft^3 KCI-200 2m CW/RTTY Voltage and Temperatures

Greatest Telemetry Downlink Reception Range (Two Categories)
VHF/UHF near line-of-sight
1. ANSR-2 (AA?P) 28Jul01 K5LPS & K5RIC<Telemetry 370.7 Miles 2m APRS Telemetry
2. NSTAR-01D (N9XTN) 30Jun01 KC5ECB<Telemetry 347.3Miles 2M APRS Telemetry
3. HABET-1 (CITS/W?RPK) 04Dec93 N9NCT<>Robot - 331 Miles - 2M Packet Radio Robot QSO
HF via any mode of propagation
1. ITA-5 (Into Thin Air/KA2QPG) 15Nov00 W6VIO (N5BF opr)<Telemetry 2437 Miles - 10m CW Telemetry
2. ITA-3 (Into Thin Air/KA2QPG) 04Jun2000 W?RPK<Telemetry 983 Miles - 10m CW Telemetry

Greatest Two-Way Repeating/Transponding Great Circle Distance (QSO required)
1. EOSS-46 14Jan01 N?KQX<>N7DMO - 526 Miles - 70cm/2m Voice
2. NSTAR-01B 19May01 KC?AXK<>KC?HFL - 344 Miles - 70cm Simplex Repeater
3. HABET-1 (CITS/W?RPK) 04Dec93 AA?W<>N9GQR - 320 Miles - 2M Digipeating

Ratio of Released v. Recovered Payloads
1. EOSS (Edge of Space Sciences) 51-for-51 18Nov90-25Aug01
2. KNSP (KD4STH) 19-for-19 02Nov96-10Jul99
3. SSOK (WB?DRL) 13-for-13 01Feb92-08Jan00

Longest Recovery Time (any method)
1. Bill Brown, WB8ELK 09May98-04Dec98 209 Days
2. TV-00A (KD4STH) 20May00-08Oct00 141 Days

Touchdown Prediction Closest to Actual Coordinates
1. Eric Hauber ISU/HABET-L53 26Sep01 10kCC 0.23 Miles

2. Bill All, N3KKM NSTAR-01B 19May01 95kNB 1.25 Miles
3. Mark Conner, N9XTN NSTAR-01B 19May01 95kNB 5.59 Miles

WB?DRL-SSOK 08Jan2000 Mission (An unexpected Floater)
http://users.crosspaths.net/~wallio/SSOK_DRL.HTML

10M FSK31 AMATEUR HIGH ALTITUDE BALLOON TELEMETRY EXPERIMENT
http://users.crosspaths.net/~wallio/FSK31.HTML

Daydreaming of Polyethylene
http://users.crosspaths.net/~wallio/polyethylene.html

GPS RECEIVERS VS. 60KFT
http://users.crosspaths.net/~wallio/gps60kft.html

NSTAR INCIDENT ANALYSIS
http://users.crosspaths.net/~wallio/nstar.html

Great Plains Super Launch 2001
http://users.crosspaths.net/~wallio/gpsl2001.html

COMMUNICATIONS RANGE vs. PAYLOAD ALTITUDE and DISTANCE
http://users.crosspaths.net/~wallio/altvdist.html

LINE-OF-SIGHT RADIO COMMUNICATION LINK BUDGET
http://users.crosspaths.net/~wallio/LINKbudg.html

AMATEUR HIGH ALTITUDE BALLOONING LINKS
http://users.crosspaths.net/~wallio/HABLinks.html

AX.25 Packet Radio AFSK on FM Bit, Packet and Data Set Error Rates
http://users.crosspaths.net/~wallio/ber.html

CALCULATING SYSTEM NOISE TEMPERATURE
http://users.crosspaths.net/~wallio/noise.html

807. Re: [tvnsp] TV01G Landing Photos

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-06 02:13:27 UTC
From: Russell Dunn
Topic: 781 Message: 807

Hi Steph

That was pretty interesting.

I'm just learning about digital photos. My understanding is that jpg formats are already compacted. So, is there an advantage to sending these in a zipped format? It didn't look like the file changed much.

I would like to know how to zip stuff like spreadsheets. There are times when I send work home. That should really be in some kind of secured file I guess. Don't know how to do that either. I could get real backwards and just use a floppy. But what fun would that be?

Glad you had fun on the outing. I'm a little behind, as I'm just now reading the mail. It's been very busy for me at work. Even working nights at work. Not good.

Russ
N7SMA

----- Original Message -----
From: Stephanie Steele
To: tvnsp@yahoogroups.com
Sent: Sunday, September 30, 2001 11:14 AM
Subject: Re: [tvnsp] TV01G Landing Photos

--
Stephanie

****

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it and highly recommend it as a safe and reliable means to conduct
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808. Re: [tvnsp] Capsule Hunting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-06 06:47:54 UTC
From: Jeff Melanson
Topic: 797 Message: 808

Mike,

Both of Paul's capsules are white with black tops. I think the parachute is blue and something like red.

Tomorrow (Saturday morning) I will program my balloon tracker so you can take it with you. I will change the symbol to an airplane and program your call sign into it. You won't be able to send or receive messages but we can track your progress. How can I get the tracker to you? Don't forget your binoculars and extra water!

Jeff Melanson
KD7INN

> Mike Garske wrote:
>
> Paul,
>
> What's the general description of the balloon, like the color of
> the parachute, etc.?
>
> I talked to Steve Strom, the pilot, and have made arrangements
> for Sunday morning to meet him at Nampa airport. As long as the
> weather holds up, the flight is still a go!
>
> Mike KC7DPD
>

809. Re: [tvnsp] Capsule Hunting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-06 08:04:21 UTC
From: Jeff Melanson
Topic: 797 Message: 809

Mike,

I have just finished reprogramming my tracker for your flight on Sunday. All you have to do is take it with you and turn it on. The rest of us can track your progress. The call sign will be KC7DPD-1.

Jeff Melanson
KD7INN

810. Re: [tvnsp] Capsule Hunting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-06 13:31:18 UTC
From: Mike Garske
Topic: 797 Message: 810

Jeff, give me a call today if you get this message before 9am this morning, if not, between 3pm - 4pm.....846-9219, we can arrange picking up the tracker possibly before I go to work tonight.

Mike
----- Original Message -----
From: "Jeff Melanson" <kd7inn@...>
To: <tvnsp@yahoogroups.com>
Sent: Saturday, October 06, 2001 2:04 AM
Subject: Re: [tvnsp] Capsule Hunting

> Mike,
>
> I have just finished reprogramming my tracker for your flight on
> Sunday. All you have to do is take it with you and turn it on. The rest
> of us can track your progress. The call sign will be KC7DPD-1.
>
> Jeff Melanson
> KD7INN
>
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>

811. Re: [tvnsp] Capsule Hunting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-06 15:37:18 UTC
From: Jeff Melanson
Topic: 797 Message: 811

Mike,

I missed the message before 9 am. I will call you this afternoon or you
can call me anytime. My cell number is 866-8032.

Jeff Melanson
KD7INN

Mike Garske wrote:
>
> Jeff, give me a call today if you get this message before 9am this morning,
> if not, between 3pm - 4pm.....846-9219, we can arrange picking up the
> tracker possibly before I go to work tonight.
>
> Mike
> ----- Original Message -----
> From: "Jeff Melanson" <kd7inn@...>
> To: <tvnsp@yahoogroups.com>
> Sent: Saturday, October 06, 2001 2:04 AM
> Subject: Re: [tvnsp] Capsule Hunting
>
> > Mike,
> >
> > I have just finished reprogramming my tracker for your flight on
> > Sunday. All you have to do is take it with you and turn it on. The rest
> > of us can track your progress. The call sign will be KC7DPD-1.
> >
> > Jeff Melanson
> > KD7INN
> >
> >
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812. Re: [tvnsp] Capsule Hunting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-06 21:52:28 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 797 Message: 812

It's a red and blue parachute, both colors are dull and not bright.
There will be two white boxes attached. The boxes have black
tops and bottoms. The boxes are one cubic foot in volume.

Paul

> What's the general description of the balloon, like the color of the parachute, etc.?
>
> I talked to Steve Strom, the pilot, and have made arrangements for Sunday morning to meet him at Nampa airport. As long as the weather holds up, the flight is still a go!

813. Future Plans

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-07 00:01:04 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 813 Message: 813

Good luck on the search.

I gave one talk at the ISTA conference yesterday. It was suggested I give a workshop to help others build capsules. This way people who were not local could get help constructing a near space program. So I'd like to plan two construction meetings every month. the first would be located here in the Treasure Valley. Two weeks later I'd like to travel to a second location in Idaho, proably the Magic Valley. What was covered two weeks ago would be covered at this meeting. Except this second meeting would also cover some of the basics on launching and tracking capsules. The second meeting would be several hours long to justify the travel time.

We're looking at a launch in late October. construction meetings would begin in November. I'll begin putting together a complete list of materials this week. Right now though for the airframe you'll need the following.

Half a sheet of 3/4" blue or pink styrofoam.
(Get this at a home improvement store. It's the type used for insulating homes)
A space blanket and two yards of wedding veil material.
(Both of these are available at Walmart)
A roll of wide mailing tape
(I use the transparent stuff, which is available at Walmart)
A yard of 1" and 1/4" foam rubber
(Available at a fabric store)
Hot glue and silicone rubber adhesive
(Hardware store)
Two yards of ripstop nylon, AKA spinaker nylon, the kind used to make kites. Decide on a color scheme for your capsule, first
(Available from Into The Wind, a kite store in Boulder Co, they're on the web)
One yard of 1" wide dacron tape
(also available from Into The Wind)
Eight 1" jump rings, the kind used on key rings
(At your local hardware store)
A sharp exacto knife, with extra blades
(At a hobby store or hardware store)

For the avionics, order the following
Etrex GPS
(I found one from GPS Now for $109)
PFrank Etrex cable
MIM Module

(www.aprs.com?), Bob Buringa is selling them now
Basic Stamp 2P
(www.parallaxinc.com)
Serial Sevo Controller
(order the SSC II from www.seetron.com)
A ULN2803
MAX186
(ask for a free sample from www.maxim-ic.com)

That should get you started.

Paul

814. Re: [tvnsp] Capsule Hunting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-07 02:31:14 UTC
From: Jeff Melanson
Topic: 797 Message: 814

Hi All,

Mike has picked up the tracker for his flight tomorrow. He should be departing Nampa airport at about 8:00 am. Monitor his progress on APRS 144.39. His callsign is KC7DPD-1. He will also be monitoring the 147.24 repeater. Give him a call. A couple of us should log his progress for future analysis. Does someone have the Twin Falls repeater frequency? Maybe you can pass that on to Mike in the morning.

Jeff Melanson
KD7INN

815. Re: [tvnsp] Future Plans

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-07 05:50:51 UTC
From: Bill Herrmann
Topic: 813 Message: 815

At 05:01 PM 10/6/01 -0700, you wrote:
>We're looking at a launch in late October. construction meetings

Sounds pretty interesting. I'd sure like to make that one since we didn't make the September one.

>For the avionics, order the following
>Etrex GPS

Just out of curiousity - have you tried the Tripmate units? Refurbished from DeLorme they're $50 and no additional cable is needed. I've used one with with both a TinyTrak2 and with a KPC3+. (You do need an adapter cable there, but it's basically a specialized null-modem and I can tell you how to build one.) With minor work you could power them from you main power source or they run a long time on 4 AA batteries. For tracker use where you don't need a display they are darn hard to beat.

Bill

816. Re: [tvnsp] Future Plans

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-07 14:54:54 UTC
From: Randy Farley
Topic: 813 Message: 816

Bill
I mentioned this GPS to Paul a couple of weeks ago. One minor problem,
it is only good for about 50,000 feet,according to Paul. I was hoping to
use one to keep the expense down on my future capsule. Not sure if it
powers back up after loosing lock on ascent. Other users can fill us in
on this.
It does make a nice inexpensive gps for land use however.

Bill Herrmann wrote:
>
> At 05:01 PM 10/6/01 -0700, you wrote:
> >We're looking at a launch in late October. construction meetings
>
> Sounds pretty interesting. I'd sure like to make that one since we didn't
> make the September one.
>
> >For the avionics, order the following
> >Etrex GPS
>
> Just out of curiousity - have you tried the Tripmate units? Refurbished
> from DeLorme they're $50 and no additional cable is needed. I've used one
> with with both a TinyTrak2 and with a KPC3+. (You do need an adapter cable
> there, but it's basically a specialized null-modem and I can tell you how
> to build one.) With minor work you could power them from you main power
> source or they run a long time on 4 AA batteries. For tracker use where you
> don't need a display they are darn hard to beat.
>
> Bill
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

--
Regards,
Randy Farley
N7GPS -Ham Call-
My Home at: http://map.findu.com/n7gps
Find my pickup at: http://map.findu.com/n7gps-9
Also see daily weather radar reports for my location at:
(scroll to bottom of page)

http://www.findu.com/cgi-bin/find.cgi?call=n7gps&radar=CBX

817. Re: [tvnsp] Future Plans

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-07 15:49:44 UTC
From: Mark Conner
Topic: 813 Message: 817

I flew a Tripmate on a couple of my early tandem flights with NSBG. I had some problems with spurious readings on speed, direction,and altitude above 60,000 ft, but I wasn't sure if that was a software limitation in the Tripmate or some other problem. It wasn't like the problems began and ended exactly at 60,000 ft. During descent the Tripmate did begin working properly again.

Aside from that, there are two other reasons I don't like Tripmates:

1) Battery consumption. A Tripmate uses 180 mA at 5V. Most other receivers are 30-50% of that.

2) Warm-up time. Tripmates use the last "stored" position to initialize, and don't have internal timekeeping. So it has to get time from the satellites and then uses its internal stored position to help orient itself. This can take quite a while to get a first valid fix. If power is interrupted during flight, you could go a while before you get good positions again. Storing the position in the Tripmate is done by sending a setup string to the unit.

So Tripmates will work, but I think it's worth the money to get an Etrex or GPS-35. The latter has 3-D velocity measurements, which may be useful for your controller software.

73 de Mark N9XTN

----- Original Message -----
From: "Randy Farley" <rdfarley@...>
To: <tvnsp@yahoogroups.com>
Sent: Sunday, October 07, 2001 09:54
Subject: Re: [tvnsp] Future Plans

> Bill
> I mentioned this GPS to Paul a couple of weeks ago. One minor problem,
> it is only good for about 50,000 feet,according to Paul. I was hoping to
> use one to keep the expense down on my future capsule. Not sure if it
> powers back up after loosing lock on ascent. Other users can fill us in
> on this.
> It does make a nice inexpensive gps for land use however.
>
> Bill Herrmann wrote:
> >
> > Just out of curiousity - have you tried the Tripmate units? Refurbished
> > from DeLorme they're $50 and no additional cable is needed. I've used
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> > with with both a TinyTrak2 and with a KPC3+. (You do need an adapter
cable

> > there, but it's basically a specialized null-modem and I can tell you
how
> > to build one.) With minor work you could power them from you main power
> > source or they run a long time on 4 AA batteries. For tracker use where
you
> > don't need a display they are darn hard to beat.
> >
> > Bill
> >

818. Re: [tvnsp] Future Plans

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-07 21:57:35 UTC
From: Doug Rich
Topic: 813 Message: 818

At 11:50 PM 10/6/01 -0600, Bill Herrmann wrote:
>At 05:01 PM 10/6/01 -0700, you wrote:
> >We're looking at a launch in late October. construction meetings
>
>Sounds pretty interesting. I'd sure like to make that one since we didn't
>make the September one.
>
> >For the avionics, order the following
> >Etrex GPS
>
>Just out of curiousity - have you tried the Tripmate units? Refurbished
>from DeLorme they're $50 and no additional cable is needed. I've used one
>with with both a TinyTrak2 and with a KPC3+. (You do need an adapter cable
>there, but it's basically a specialized null-modem and I can tell you how
>to build one.) With minor work you could power them from you main power
>source or they run a long time on 4 AA batteries. For tracker use where you
>don't need a display they are darn hard to beat.

I don't belive the tripmate will work over 60,000 feet.

Doug

>Bill
>
>
>
>
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>
>
>
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819. Re: [tvnsp] Capsule Hunting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-07 22:14:27 UTC
From: Jeff Melanson
Topic: 797 Message: 819

Hi All,
Mike is back from the aerial search. The capsules were not found. He said if the capsules were there they would have seen them. They had good visibility. The new search area was on the edge of the populated area. Someone may have picked it up. Mike does have some aerial photography to show us. Is anyone interested in a get together this Saturday or a weekday night? We can discuss the search flight, our next balloon flight, and the upcoming classes. Let's try to pick a night that everyone can participate.

Jeff Melanson
KD7INN

820. Re: [tvnsp] Capsule Hunting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-07 22:58:30 UTC
From: Stephanie Steele
Topic: 797 Message: 820

Hi Jeff,

As a final effort, I would telephone all the local agencies in the area, both Sheriff and PD's to see if anyone turned it in. It is very likely that if it was turned it that no one would call as lost and found takes a pretty low priority in most departments (mine excluded of course!). Most of the search area is going to be Sheriff's department country but we have had people bring 'found' items to us that they picked up many miles outside the city because we were the first agency they spotted.

Also, how about also trying to do a press release to radio and tv in the area and play up the 'educational material' aspect of the package. If a low life picked it up and has it squirrled away, it might make them cough it up. Also, if it's in some kid's room mom or dad might see or hear the spot and make them return it. Just some final thoughts.

Stephanie

Jeff Melanson wrote:

> Hi All,
> Mike is back from the aerial search. The capsules were not found. He
> said if the capsules were there they would have seen them. They had good
> visibility. The new search area was on the edge of the populated area.
> Someone may have picked it up. Mike does have some aerial photography to
> show us. Is anyone interested in a get together this Saturday or a
> weekday night? We can discuss the search flight, our next balloon
> flight, and the upcoming classes. Let's try to pick a night that
> everyone can participate.
>
> Jeff Melanson
> KD7INN
>
>
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>
>
>
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--
Stephanie

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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https://www.paypal.com/refer/pal=kc7dba%40arrl.net

821. Re: [tvnsp] Future Plans

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-08 14:35:31 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 813 Message: 821

> Just out of curiousity - have you tried the Tripmate units?

One balloon group discovered the tripmates don't work above
32,767 (number of bits in a word) meters. Few flights get this high,
but it takes away your chances of making a record altitude.

Paul

822. Etrex Deal

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-08 14:41:03 UTC
From: Stephanie Steele
Topic: 822 Message: 822

Here is the lowest price I have found for a Etrex basic. This outfit matched another for lowest price but offers free USPS shipping. Their price is $108.95.

http://www.advancedgps.com/

--
Stephanie

****

"They that can give up essential liberty to obtain a little temporary safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

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823. MIM Modules

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-08 17:02:38 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 823 Message: 823

I straighten out a telemetry problem on the new CC/PS last night.
in the process however, I discovered a limitation with the MIM. It
can only store 65 characters. That's not enough for a complete
GGA or RMC sentence. Does anyone know how APRS will
respond? APRS will see a GGA sentence without the * and
checksum.

Or, has anyone seen a MIM module display a position as a tracker
in APRS?

Thanks,
Paul

824. Re: [tvnsp] Capsule Hunting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-09 00:00:30 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 797 Message: 824

> Mike is back from the aerial search. The capsules were not found. He
> said if the capsules were there they would have seen them. They had good
> visibility. The new search area was on the edge of the populated area.
> Someone may have picked it up. Mike does have some aerial photography to
> show us. Is anyone interested in a get together this Saturday or a
> weekday night? We can discuss the search flight, our next balloon
> flight, and the upcoming classes. Let's try to pick a night that
> everyone can participate.

This saturday is good for me.
How are the video tapes going? I can make tapes at the campus
during the day.

I'll also bring a $50 check for the aircraft fuel to the meeting.

Paul

825. FW: Gas-Filled Balloons Cause Stir in Midwest

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-08 23:28:53 UTC
From: Mark Conner
Topic: 825 Message: 825

Got this from the Fox News web site. If you were following this on APRS, the balloon landing in southern Minnesota had KD5ONM-7 for a callsign.

There are two others still airborne - look here for their current positions:
http://www.findu.com/cgi-bin/find.cgi?dc2eh-5
http://www.findu.com/cgi-bin/find.cgi?KC5VWK-7

Something to think about for future amateur radio balloon launches - seeing one land might cause more of a stir amongst the public than it would have six weeks ago.

73 de Mark N9XTN

http://www.foxnews.com/story/0,2933,36033,00.html
DES MOINES, Iowa - A gas-filled balloon race that originated in New Mexico caused some excitement Monday when some Iowans and Minnesotans, with a heightened sense of alert from terrorist activities, called authorities saying the balloons seemed suspicious.

At least three high-flying gas balloons floated across the region, sparking several phone calls to sheriff's offices.

The balloons were spotted in Pocahontas and Kossuth counties in Iowa before touching down in southern Minnesota.

Kossuth County Sheriff Kevin Van Otterloo tracked one of the balloons, which he estimated was traveling at 40-50 mph.

"It's a white silver balloon. We looked at it with a spotting scope and binoculars and couldn't tell if it was occupied," he said.

Van Otterloo said other agencies were notified, including the Iowa National Guard and the Federal Aviation Administration.

"I think it's kind of bad timing by some balloonists," Van Otterloo said, speaking of the heightened security in the wake of the Sept. 11 terrorist attacks and the U.S.-led retaliation on Afghanistan on Sunday.

All three balloons landed in Minnesota, one near Gaylord in Sibley County and the other two in Faribault County near Blue Earth.

The balloons were part of the America's Challenge race that began over the weekend in Albuquerque, N.M., said Tim Boyer, a spokesman for the Minnesota State Patrol.

The distance race began Saturday night when 19 gas balloons lifted off. Pilots in the international race came from as far away as Canada, Britain, Germany and Austria.

"The goal is to fly as far as you can with the fuel you have to begin with," Boyer said. "One of the three indicated they had been flying for the better part of two days."

Boyer said he heard there were at least nine other balloons were still in the air Monday, and residents shouldn't be concerned.

Gas-filled balloons are round and typically rise higher than hot air balloons.

Mark D. Conner
E-mail: n9xtn@...
Homepage: http://members.home.net/mconner1
"Arrogance and stupidity, all in the same package.....how efficient of you!" - Ambassador Londo Mollari, Babylon 5

826. Re: [tvnsp] Capsule Hunting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-09 06:27:12 UTC
From: Jeff Melanson
Topic: 797 Message: 826

verhap@... wrote:
>
> This saturday is good for me.
> How are the video tapes going? I can make tapes at the campus
> during the day.
>
> I'll also bring a $50 check for the aircraft fuel to the meeting.
>
> Paul

OK, let's make it Saturday. I believe the usual time and place is 7 pm at the Nampa/Caldwell Idaho Pizza. Who will be attending?

I have made 8 video recordings. I have bought 4 more tapes and will finish them this week. Is 12 enough? We need enough for our group and to mail to Mark and Ralph and who else?

I believe four of us pledged $25 for the fuel. Mike, what was the actual cost?

Bill Herrmann, come to the meeting! We'll be more than happy to show you what it's all about! Hope to see you there!

Paul indicated he started material list for capsule construction. I had also started a material and tool list. I will bring this list to combine it with Paul's. We still need a place to do the work. Any ideas yet?

Jeff Melanson
KD7INN

827. Re: [tvnsp] FW: Gas-Filled Balloons Cause Stir in Midwest

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-09 06:41:42 UTC
From: Jeff Melanson
Topic: 825 Message: 827

Mark,

On our last flight we flew(floated) over the National Guard Maneuver Area, then very near the Air Force Base Gunnery range(maybe over it), then near the Mountain Home Air Force Base. The recovered capsules did not have any holes in them and we saw no fighters on the video. I have to admit that I was nervous about it but it turned out to be a great flight.

> "I think it's kind of bad timing by some balloonists," Van Otterloo said,
> speaking of the heightened security in the wake of the Sept. 11 terrorist
> attacks and the U.S.-led retaliation on Afghanistan on Sunday.

What would be good timing? If we are to get things back to normal then the show must go on! Will things ever be normal?

Mark Conner wrote:
>
> Got this from the Fox News web site. If you were following this on APRS,
> the balloon landing in southern Minnesota had KD5ONM-7 for a callsign.
>
> There are two others still airborne - look here for their current positions:
> http://www.findu.com/cgi-bin/find.cgi?dc2eh-5
> http://www.findu.com/cgi-bin/find.cgi?KC5VWK-7
>
> Something to think about for future amateur radio balloon launches - seeing
> one land might cause more of a stir amongst the public than it would have
> six weeks ago.
>
> 73 de Mark N9XTN
>
> http://www.foxnews.com/story/0,2933,36033,00.html
> DES MOINES, Iowa - A gas-filled balloon race that originated in New Mexico
> caused some excitement Monday when some Iowans and Minnesotans, with a
> heightened sense of alert from terrorist activities, called authorities
> saying the balloons seemed suspicious.
>
> At least three high-flying gas balloons floated across the region, sparking
> several phone calls to sheriff's offices.
>
> The balloons were spotted in Pocahontas and Kossuth counties in Iowa before
> touching down in southern Minnesota.
>
> Kossuth County Sheriff Kevin Van Otterloo tracked one of the balloons, which
> he estimated was traveling at 40-50 mph.
>

> "It's a white silver balloon. We looked at it with a spotting scope and
> binoculars and couldn't tell if it was occupied," he said.
>
> Van Otterloo said other agencies were notified, including the Iowa National
> Guard and the Federal Aviation Administration.
>
> "I think it's kind of bad timing by some balloonists," Van Otterloo said,
> speaking of the heightened security in the wake of the Sept. 11 terrorist
> attacks and the U.S.-led retaliation on Afghanistan on Sunday.
>
> All three balloons landed in Minnesota, one near Gaylord in Sibley County
> and the other two in Faribault County near Blue Earth.
>
> The balloons were part of the America's Challenge race that began over the
> weekend in Albuquerque, N.M., said Tim Boyer, a spokesman for the Minnesota
> State Patrol.
>
> The distance race began Saturday night when 19 gas balloons lifted off.
> Pilots in the international race came from as far away as Canada, Britain,
> Germany and Austria.
>
> "The goal is to fly as far as you can with the fuel you have to begin with,"
> Boyer said. "One of the three indicated they had been flying for the better
> part of two days."
>
> Boyer said he heard there were at least nine other balloons were still in
> the air Monday, and residents shouldn't be concerned.
>
> Gas-filled balloons are round and typically rise higher than hot air
> balloons.
>
> ------
> Mark D. Conner
> E-mail: n9xtn@...
> Homepage: http://members.home.net/mconner1
> "Arrogance and stupidity, all in the same package.....how efficient
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828. Re: [tvnsp] Capsule Hunting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-09 06:44:53 UTC
From: Mike Garske
Topic: 797 Message: 828

Group,

Well, Saturday does not work for me....its a work night, but don't change only on my behalf. I gave Steve the pilot, $100 for the fuel....at $2.00 a gallon, avgas is expensive!

About the search flight......I believe if the capsule was still laying out in the desert, we would have seen it. The 3 prediction points that Paul had we flew a pattern about 3 miles north and south of, and about 2 miles east and west of it, including directly over them. This area was on the edge of some farmland and civilization, along with dirt bike/4x4 trails out there, so the chances are very good someone found it before us. Also, if it had landed in the lava fields, it would definitely stood out like a sore thumb....the area is black as night from the air.

Anyway, I have gathered materials to construct a parachute so far. I found ripstop nylon at Jo-Ann Fabrics for 5.99 a yard, versus 8.99 from Into The Wind, on the internet. Breaking out the sewing machine soon!

Jeff, when do you want me to bring by the tracker I borrowed, anytime this week before Wednesday night will work for me. Give me a call!

Mike KC7DPD

829. Re: [tvnsp] Capsule Hunting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-09 07:03:28 UTC
From: Jeff Melanson
Topic: 797 Message: 829

> Jeff, when do you want me to bring by the tracker I borrowed, anytime this
> week before Wednesday night will work for me. Give me a call!

Hi Mike,

I work nights now. I leave at about 2:30 pm and return at midnight. How
about noon tomorrow if that works for you?

Jeff Melanson
KD7INN

830. Re: [tvnsp] Capsule Hunting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-09 07:06:37 UTC
From: Mike Garske
Topic: 797 Message: 830

Jeff,

That works for me!

Mike KC7DPD

831. Re: [tvnsp] Capsule Hunting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-09 07:13:51 UTC
From: Jeff Melanson
Topic: 797 Message: 831

ok, see you then!

Mike Garske wrote:
>
> Jeff,
>
> That works for me!
>
> Mike KC7DPD
>
>
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>
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832. Re: [tvnsp] Capsule Hunting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-09 14:57:14 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 797 Message: 832

> I have made 8 video recordings. I have bought 4 more tapes and will
> finish them this week. Is 12 enough? We need enough for our group and to
> mail to Mark and Ralph and who else?

We need to send a copy to the farmer whose field we landed in.
John should have that address.

Paul

833. Re: [tvnsp] Capsule Hunting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-09 14:59:43 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 797 Message: 833

> Anyway, I have gathered materials to construct a parachute so far. I found
> ripstop nylon at Jo-Ann Fabrics for 5.99 a yard, versus 8.99 from Into The
> Wind, on the internet. Breaking out the sewing machine soon!

Warning!!!!!
Mike is right, use the Jo ann ripstop for the parachute. It's not
coated and has a softer feel that opens properly. The Into The
Wind is coated and is not good for a 'chute. I use it for the
abrasion jacket.

Paul

834. Re: [tvnsp] Capsule Hunting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-09 15:00:09 UTC
From: Stephanie Steele
Topic: 797 Message: 834

I have found "rip-stop nylon" and "flag cloth" which is a rip-stop nylon also and to me feels like the parachutes that Paul has. Does anyone know if "flag cloth" is the right stuff or will work. It comes in a lot more colors than rip-stop.

Stephanie

verhap@... wrote:

> > Anyway, I have gathered materials to construct a parachute so far. I found
> > ripstop nylon at Jo-Ann Fabrics for 5.99 a yard, versus 8.99 from Into The
> > Wind, on the internet. Breaking out the sewing machine soon!
>
> Warning!!!!!
> Mike is right, use the Jo ann ripstop for the parachute. It's not
> coated and has a softer feel that opens properly. The Into The
> Wind is coated and is not good for a 'chute. I use it for the
> abrasion jacket.
>
> Paul
>
>
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--
Stephanie

****

"They that can give up essential liberty to obtain a little temporary safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

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835. Re: [tvnsp] Future Plans

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-09 15:12:33 UTC
From: Stephanie Steele
Topic: 813 Message: 835

How much material do you need for a parachute. I am interested in total yardage and how many yards per panel of the chute as I want to make one with multiple colors.

--
Stephanie

****

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Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

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836. Re: [tvnsp] Capsule Hunting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-09 16:51:04 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 797 Message: 836

> I have found "rip-stop nylon" and "flag cloth" which is a rip-stop nylon also
> and to me feels like the parachutes that Paul has. Does anyone know if "flag
> cloth" is the right stuff or will work. It comes in a lot more colors than
> rip-stop.

Flag cloth may work well for a parachute. The important thing is to
have material that does not let air seep through. I imagine flag
cloth is like that.

Paul

837. Re: [tvnsp] Capsule Hunting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-09 16:02:15 UTC
From: John Knapp
Topic: 797 Message: 837

I will be there, not sure about Deb. Also, Paul, don't
let me forget to pay for the T-shirts.

JohnK
KD7HGS
--- Jeff Melanson <kd7inn@...> wrote:
>
>
> verhap@... wrote:
> >
> > This saturday is good for me.
> > How are the video tapes going? I can make tapes
> at the campus
> > during the day.
> >
> > I'll also bring a $50 check for the aircraft fuel
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>
> OK, let's make it Saturday. I believe the usual time
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> mail to Mark and Ralph and who else?
>
> I believe four of us pledged $25 for the fuel. Mike,
> what was the actual
> cost?
>
> Bill Herrmann, come to the meeting! We'll be more
> than happy to show you
> what it's all about! Hope to see you there!
>
> Paul indicated he started material list for capsule
> construction. I had
> also started a material and tool list. I will bring
> this list to combine
> it with Paul's. We still need a place to do the
> work. Any ideas yet?

>
> Jeff Melanson
> KD7INN
>

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NEW from Yahoo! GeoCities - quick and easy web site hosting, just $8.95/month.
http://geocities.yahoo.com/ps/info1

838. Re: [tvnsp] Future Plans

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-09 17:04:34 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 813 Message: 838

> How much material do you need for a parachute. I am interested in total
> yardage and how many yards per panel of the chute as I want to make one
> with multiple colors.

Let's see.
There's eight gores on a 'chute. Each gore is just over 5 feet long
and about 2.5 feet wide. Each gore is shaped like a curved
triangle. I figure it will take 2 yards of fabric for each gore, or about
16 yards total. My fabric was about $6 per yard. I also alternated
colors between gores. My first 'chute even alternated colors within
the gores.

We need to get 200 pound test dacron for the shroud lines. I'll
arrange to order it from the kite store.

Paul

839. Re: [tvnsp] Future Plans

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-09 17:25:56 UTC
From: Mike Garske
Topic: 813 Message: 839

Paul,

What size is the parachute we used on the TV01G flight? I picked up 3
yards each of red and yellow ripstop, and according to your calculations, I
need to go get more!

Mike KC7DPD
----- Original Message -----
From: <verhap@...>
To: <tvnsp@yahoogroups.com>
Sent: Tuesday, October 09, 2001 11:04 AM
Subject: Re: [tvnsp] Future Plans

> > How much material do you need for a parachute. I am interested in total
> > yardage and how many yards per panel of the chute as I want to make one
> > with multiple colors.
>
> Let's see.
> There's eight gores on a 'chute. Each gore is just over 5 feet long
> and about 2.5 feet wide. Each gore is shaped like a curved
> triangle. I figure it will take 2 yards of fabric for each gore, or about
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> colors between gores. My first 'chute even alternated colors within
> the gores.
>
> We need to get 200 pound test dacron for the shroud lines. I'll
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>
> Paul
>
>
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840. Re: [tvnsp] Future Plans

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-09 19:04:20 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 813 Message: 840

> What size is the parachute we used on the TV01G flight? I picked up 3
> yards each of red and yellow ripstop, and according to your calculations, I
> need to go get more!

The parachute is 7 ft across when opened.

Paul

841. Re: [tvnsp] Future Plans

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-09 19:11:18 UTC
From: Stephanie Steele
Topic: 813 Message: 841

I'm confused. If the parachute is 7 feet across when open, why are the sections 2.5 x 5 feet each? Wouldn't that make it 10 feet across?

Stephanie

verhap@... wrote:

> > What size is the parachute we used on the TV01G flight? I picked up 3
> > yards each of red and yellow ripstop, and according to your calculations, I
> > need to go get more!
>
> The parachute is 7 ft across when opened.
>
> Paul
>
>
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Stephanie

****

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https://www.paypal.com/refer/pal=kc7dba%40arrl.net

842. Micro controller group

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-09 20:36:56 UTC
From: Doug Rich
Topic: 842 Message: 842

Some of you may be interested in a new group forming. Micro controllers are used in many fun projects, including balloons.
If you are interested in attending the first meeting of a group to learn and share information about programing small microprocessors, you are invited to attend our first meeting. We will meet at the Idaho Pizza Co. in Meridian this Wednesday (tomorrow) at 6PM. This is about an hour before the VOI club meeting. For some of use this will not add an extra night out. Programing and circuit building for BasicStamps and PICs will be the main interest. Please come or at least let me know of your interest.

Doug KD6GCL

kd6gcl@...
doug@...

843. Re: [tvnsp] Future Plans

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-09 21:37:53 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 813 Message: 843

> I'm confused. If the parachute is 7 feet across when open, why are the sections
> 2.5 x 5 feet each? Wouldn't that make it 10 feet across?

Remember the parachute is a hemispherical cap. The diameter at
the "opened" equator is 7 ft, but the semicircumfrence is 10 feet.

Paul

844. Re: [tvnsp] Micro controller group

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-09 21:44:28 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 842 Message: 844

> Some of you may be interested in a new group forming. Micro controllers are
> used in many fun projects, including balloons.
> If you are interested in attending the first meeting of a group to learn
> and share information about programing small microprocessors, you are
> invited to attend our first meeting. We will meet at the Idaho Pizza Co. in
> Meridian this Wednesday (tomorrow) at 6PM. This is about an hour before
> the VOI club meeting. For some of use this will not add an extra night out.
> Programing and circuit building for BasicStamps and PICs will be the main
> interest. Please come or at least let me know of your interest.

I had forgotten you were setting this up. Is there anything you'd
like me to bring?

Paul "forgetful" Verhage

845. Re: [tvnsp] Future Plans

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-09 20:52:09 UTC
From: Stephanie Steele
Topic: 813 Message: 845

Oh, boy do I wish I hadn't slept through math class! That was pretty simple once you drew me a picture. Thanks!

Stephanie

verhap@... wrote:

> > I'm confused. If the parachute is 7 feet across when open, why are the sections
> > 2.5 x 5 feet each? Wouldn't that make it 10 feet across?
>
> Remember the parachute is a hemispherical cap. The diameter at
> the "opened" equator is 7 ft, but the semicircumfrence is 10 feet.
>
> Paul
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

--
Stephanie

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

Send and receive money safely over the Internet by using PayPal. I use it and highly recommend it as a safe and reliable means to conduct business. By using the link below we both will receive a $5 sign up bonus.

https://www.paypal.com/refer/pal=kc7dba%40arrl.net

846. Re: [tvnsp] Future Plans

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-09 20:57:45 UTC
From: Stephanie Steele
Topic: 813 Message: 846

Ok, while I'm here sounding stupid, would 16 yards of fabric equal 14.63 meters of fabric? I have found some sold by the meter.

--
Stephanie

****

"They that can give up essential liberty to obtain a little temporary safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

Send and receive money safely over the Internet by using PayPal. I use it and highly recommend it as a safe and reliable means to conduct business. By using the link below we both will receive a $5 sign up bonus.

https://www.paypal.com/refer/pal=kc7dba%40arrl.net

847. Re: [tvnsp] Micro controller group

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-09 20:57:55 UTC
From: Doug Rich
Topic: 842 Message: 847

Maybe some working robot.

Doug

At 02:44 PM 10/9/01 -0700, you wrote:
> > Some of you may be interested in a new group forming. Micro controllers
> are
> > used in many fun projects, including balloons.
> > If you are interested in attending the first meeting of a group to learn
> > and share information about programing small microprocessors, you are
> > invited to attend our first meeting. We will meet at the Idaho Pizza
> Co. in
> > Meridian this Wednesday (tomorrow) at 6PM. This is about an hour before
> > the VOI club meeting. For some of use this will not add an extra night out.
> > Programing and circuit building for BasicStamps and PICs will be the main
> > interest. Please come or at least let me know of your interest.
>
>I had forgotten you were setting this up. Is there anything you'd
>like me to bring?
>
>Paul "forgetful" Verhage
>
>
>To unsubscribe from this group, send an email to:
>tvnsp-unsubscribe@egroups.com
>
>
>
>Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

848. Re: [tvnsp] Future Plans

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-09 22:09:49 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 813 Message: 848

> Ok, while I'm here sounding stupid, would 16 yards of fabric equal 14.63
> meters of fabric? I have found some sold by the meter.

Metric?!
Are you sure you're in the US?

That sounds about right. There are just over 40 inches in a meter.

Paul

849. Re: [tvnsp] Future Plans

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-09 22:39:54 UTC
From: ab7xm@aol.com
Topic: 813 Message: 849

39 and 3/8 inches in a meter
ab7xm paul

850. Re: [tvnsp] Future Plans

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-10 05:12:00 UTC
From: Bill Herrmann
Topic: 813 Message: 850

At 07:35 AM 10/8/01 -0700, you wrote:
>32,767 (number of bits in a word) meters.

Being picky here - that is the largest number expressed with 15 bits and there are 16 bits in a 2 byte word. It's the largest signed integer in most implementations so I suppose the tripmate must support negative altitudes. <grin>

Yes, I are a computer programmer. <grin>

Bill

p.s. 65535 is the largest unsigned integer expressable in 16 bits.

851. Re: [tvnsp] Capsule Hunting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-10 05:21:29 UTC
From: Bill Herrmann
Topic: 797 Message: 851

At 12:27 AM 10/9/01 -0600, you wrote:
>OK, let's make it Saturday. I believe the usual time and place is 7 pm
>at the Nampa/Caldwell Idaho Pizza. Who will be attending?

I'm assuming that's the (dating myself here) former Grizzly Bear Pizza,
later Roundtable about halfway down the boulevard. Correct?

I'm going to try to be there and I think I'll have at least one other ham
with me. (I've got approval from my social activities director (aka spouse)
and he's seeking it.)

>I have made 8 video recordings. I have bought 4 more tapes and will
>finish them this week. Is 12 enough? We need enough for our group and to

Wouldn't mind checking it out. I'm sure my friend and I could share one.

>Bill Herrmann, come to the meeting! We'll be more than happy to show you
>what it's all about! Hope to see you there!

As you can see I'm planning on it. <grin> I'm not sure how much I'll
contribute to pizza destruction as we have a pizza party for one of the
kids soccer teams I'm coaching earlier in the afternoon, but I'll do my best.

Bill
KD7MJC

852. Saturday Meeting.

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-10 06:18:20 UTC
From: Jeff Melanson
Topic: 852 Message: 852

Hi Bill,

Bill Herrmann wrote:
>
> I'm assuming that's the (dating myself here) former Grizzly Bear Pizza,
> later Roundtable about halfway down the boulevard. Correct?

I don't know local history, I'm to new here. It's next door to the new
Walmart.

> I'm going to try to be there and I think I'll have at least one other ham
> with me. (I've got approval from my social activities director (aka spouse)
> and he's seeking it.)

Take charge!

> >I have made 8 video recordings. I have bought 4 more tapes and will
> >finish them this week. Is 12 enough? We need enough for our group and to
>
> Wouldn't mind checking it out. I'm sure my friend and I could share one.

I'll have a tape for you.

> >Bill Herrmann, come to the meeting! We'll be more than happy to show you
> >what it's all about! Hope to see you there!
>
> As you can see I'm planning on it. <grin> I'm not sure how much I'll
> contribute to pizza destruction as we have a pizza party for one of the
> kids soccer teams I'm coaching earlier in the afternoon, but I'll do my best.

They also have an all you can eat salad bar!!! Yummy!

Jeff Melanson
KD7INN

853. Re: [tvnsp] Capsule Hunting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-10 22:50:46 UTC
From: John Knapp
Topic: 797 Message: 853

Bring the activities director with you. Mine comes
along most of the time.

John Knapp
KD7HGS
--- Bill Herrmann <bherrman@...> wrote:
> At 12:27 AM 10/9/01 -0600, you wrote:
> >OK, let's make it Saturday. I believe the usual
> time and place is 7 pm
> >at the Nampa/Caldwell Idaho Pizza. Who will be
> attending?
>
> I'm assuming that's the (dating myself here) former
> Grizzly Bear Pizza,
> later Roundtable about halfway down the boulevard.
> Correct?
>
> I'm going to try to be there and I think I'll have
> at least one other ham
> with me. (I've got approval from my social
> activities director (aka spouse)
> and he's seeking it.)
>
> >I have made 8 video recordings. I have bought 4
> more tapes and will
> >finish them this week. Is 12 enough? We need enough
> for our group and to
>
> Wouldn't mind checking it out. I'm sure my friend
> and I could share one.
>
> >Bill Herrmann, come to the meeting! We'll be more
> than happy to show you
> >what it's all about! Hope to see you there!
>
> As you can see I'm planning on it. <grin> I'm not
> sure how much I'll
> contribute to pizza destruction as we have a pizza
> party for one of the
> kids soccer teams I'm coaching earlier in the
> afternoon, but I'll do my best.
>
> Bill
> KD7MJC
>

>
>

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http://personals.yahoo.com

854. Saturday's Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-11 00:01:23 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 854 Message: 854

Someone bring a tracker. I'd like to test my CC/PS again.

Paul

855. Next Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-14 04:59:54 UTC
From: Jeff Melanson
Topic: 719 Message: 855

Hi all,

The next Near Space Capsule flight date is not yet finalized. The choices are Oct 27th,
Nov 3rd, or Nov 10th. The date will depend on two things. 1) The arrival of the thermochrons and 2) the groups personal schedules. The thermochrons are expected at the end of the month. Since this is the last flight of the season let's pick the weekend that allows maximum participation. Everyone please reply and indicate the weekend or weekends that are best for you.
Randy and Stephanie, Paul has your video tapes. Mark Conner and Ralph Wallio, Paul will be mailing your copy's out shortly.
Paul purchased a 1500 gram balloon for an expected 85,000 ft flight. The balloon he purchased is thicker walled than previous ones and may go higher.
This flight will include a cut down device to separate the balloon from the parachute. It will be operated by a timer which will be set at 2-1/2 hours. If the balloon becomes buoyant the cut down device should bring it down. If we have a normal burst the cut down device will still separate the load line and what's left of the balloon from the parachute. Future flights (next season) will include computer control of the cut down device.
This flight will also include a simplex repeater. The frequency is not yet determined. We will want to spread the word.
Next Saturday we will be testing parachutes. Plan on meeting in the "Paul's Grocery Store" parking lot at 1 pm. We need several people to assist with this test.

Jeff Melanson
KD7INN

856. Re: [tvnsp] Next Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-15 07:16:58 UTC
From: Mike Garske
Topic: 719 Message: 856

Group,

I have only the 27th-29th for the next launch, the other weekends are out due to elk season...I have to fill in for my supervisor those two weekends. Hope the weather holds in our favor.....

Mike KC7DPD

857. Re: [tvnsp] Next Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-15 14:26:55 UTC
From: John Knapp
Topic: 719 Message: 857

The only weekend I am available is Nov. 10th.

John Knapp
KD7HGS

_____
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http://personals.yahoo.com

858. Status, 15 Oct

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-15 17:03:12 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 858 Message: 858

The pager is ready for Jeff. His capsule will carry it as a test of the paging cutdown system. Jeff, let me know where you'd like me to drop it off. It inclused the 152 MHz dipole antenna.

I have some white plastic beads that turn colors when exposed to UV. I'd like to mount a couple in front of the camcorder. They can be placed off to one side so they don't interfere witht he rest of the view. The beads have a hole in them, so they can be strung together on a dowel.

I'll start the new updates on the webpage.

This next flight should make 90,000 feet. We need to put 3 PPL into the balloon. so plan on an ascent rate closer to 1000 fpm. As far as I know, thios will be the first time a thick-skined 1500 gram balloon has been flown by amateurs.

Paul

859. Re: [tvnsp] Next Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-15 19:34:34 UTC
From: Jeff Melanson
Topic: 719 Message: 859

But it's still Balloon season!!

Jeff
KD7INN

Mike Garske wrote:
>
> Group,
>
> I have only the 27th-29th for the next launch, the other weekends are
> out due to elk season...I have to fill in for my supervisor those two
> weekends. Hope the weather holds in our favor.....
>
> Mike KC7DPD
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

860. Video Tape

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-15 23:37:50 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 860 Message: 860

Gene Harlan of ATVQ would like a copy of the video tape. So we need to make one more. I will mail it to him.

Paul

861. Web page suggestion

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-16 15:56:09 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 861 Message: 861

I just got back from visiting the web site, and would like to link up with the webmaster. There was nothing on the site or in the source I looked at to indicate who in particular to send this to, so I'm trying the list.

I would very much like to recommend that at least on the TVNSP home page, a title be added to the page. Otherwise, when you bookmark the page, there's nothing in the listing to indicate what that bookmark is for. A simple tag is all that's needed, and can be added to the very top of the page, before the existing page code:

<title>Treasure Valley Near Space Program</title>

Adding that one line will also add that title to the browser window, which is more friendly IMHO.

Bill B.
KC7JSD

862. Re: [tvnsp] Web page suggestion

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-16 16:54:32 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 861 Message: 862

I'll do that, thanks.

By the way, my copy at home covers up to the August flight. So
the changes didn't take effect. Let's meet with Doug and see if we
can update them that way.

Paul
> I would very much like to recommend that at least on the TVNSP home page, a
> title be added to the page. Otherwise, when you bookmark the page, there's
> nothing in the listing to indicate what that bookmark is for. A simple tag
> is all that's needed, and can be added to the very top of the page, before
> the existing page code:
>
> <title>Treasure Valley Near Space Program</title>

863. Re: [tvnsp] Web page suggestion

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-16 17:06:19 UTC
From: Doug Rich
Topic: 861 Message: 863

I have fixed the title problem but I do not know what the other problems is.("By the way, my copy at home covers up to the August flight. So the changes didn't take effect. ").

At 09:54 AM 10/16/01 -0700, verhap@... wrote:
>I'll do that, thanks.
>
>By the way, my copy at home covers up to the August flight. So
>the changes didn't take effect. Let's meet with Doug and see if we
>can update them that way.
>
>Paul
> > I would very much like to recommend that at least on the TVNSP home page, a
> > title be added to the page. Otherwise, when you bookmark the page, there's
> > nothing in the listing to indicate what that bookmark is for. A simple tag
> > is all that's needed, and can be added to the very top of the page, before
> > the existing page code:
> >
> > <title>Treasure Valley Near Space Program</title>
>
>
>
>To unsubscribe from this group, send an email to:
>tvnsp-unsubscribe@egroups.com
>
>
>
>Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

864. Re: [tvnsp] Web page suggestion

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-16 18:07:14 UTC
From: Doug Rich
Topic: 861 Message: 864

I have fixed all 54 web pages with titles and added some other items need on the pages.

Doug

865. Re: [tvnsp] Web page suggestion

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-16 18:09:04 UTC
From: Doug Rich
Topic: 861 Message: 865

I forgot to tell you not to upload your copies of the web pages. You should download all .HTM files so you have the current versions.

Doug

866. Re: [tvnsp] Web page suggestion boundary="==========_106107462==_.ALT"

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-16 19:08:48 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 861 Message: 866

Doug, I have some changes to FTP to TVNSP. I can't get through
my firewall. Is there a time I can meet with you and update them?

We're planning to test parachutes this weekend. Do you still want
to test yours?

Paul
> I have fixed all 54 web pages with titles and added some other items need
> on the pages.
>
> Doug

867. RE: [tvnsp] Web page suggestion

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-16 18:10:09 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 861 Message: 867

Seeing the titles, but haven't found the August data mentioned in another post yet.

Bill B.

-----Original Message-----
From: Doug Rich [mailto:doug@...]
Sent: Tuesday, October 16, 2001 12:07 PM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] Web page suggestion

I have fixed all 54 web pages with titles and added some other items need on the pages.

Doug

To unsubscribe from this group, send an email to:
tvnsp-unsubscribe@egroups.com

868. Re: [tvnsp] Status, 15 Oct

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-16 19:54:35 UTC
From: Jeff Melanson
Topic: 858 Message: 868

verhap@... wrote:
>
> The pager is ready for Jeff. His capsule will carry it as a test of the
> paging cutdown system. Jeff, let me know where you'd like me to
> drop it off. It inclused the 152 MHz dipole antenna.

Paul,

If no one is home open the gate on the side of the garage where the
guard rabbits are and place the items under the patio table in the
shade.

Jeff Melanson
KD7INN

869. Near Space Pager and Repeater

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-16 21:54:51 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 858 Message: 869

I'll drop the pager off this evening. I started the paging service back up. To call the pager, call 467-9820. It's on the back of the pager.

Doug, will you be monitoring our next launch (or do you want to help with launch)?

I'd like to arrange for a net control and pager tester. i'll need someone who is planning to monitor, but not chase.

Paul

870. Re: [tvnsp] Web page suggestion boundary="==========_106107462==_.ALT"

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-16 22:33:47 UTC
From: Doug Rich
Topic: 861 Message: 870

yes

At 12:08 PM 10/16/01 -0700, you wrote:
>Doug, I have some changes to FTP to TVNSP. I can't get through
>my firewall. Is there a time I can meet with you and update them?
>
>We're planning to test parachutes this weekend. Do you still want
>to test yours?
>
>Paul
> > I have fixed all 54 web pages with titles and added some other items need
> > on the pages.
> >
> > Doug
>
>
>
>
>To unsubscribe from this group, send an email to:
>tvnsp-unsubscribe@egroups.com
>
>
>
>Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

871. Re: [tvnsp] Web page suggestion boundary="==========_106107462==_.ALT" boundary="==========_122102403==_

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-16 23:34:03 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 861 Message: 871

What time or date works for you? I get off work at 5:00.

Paul

872. Re: [tvnsp] Web page suggestion boundary="====================_106107462==_.ALT" boundary="====================_122102403==_

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-17 00:39:55 UTC
From: Doug Rich
Topic: 861 Message: 872

Let's talk on the phone first. I'll call you. I have your cell if the last
2 digits are 62.

Doug

At 04:34 PM 10/16/01 -0700, you wrote:
>What time or date works for you? I get off work at 5:00.
>
>Paul
>
>To unsubscribe from this group, send an email to:
>tvnsp-unsubscribe@egroups.com
>
>
>
>Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

873. Re: [tvnsp] Web page suggestion boundary="====================_106107462==_.ALT" boundary="====================_122102403=

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-17 14:52:29 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 861 Message: 873

> Let's talk on the phone first. I'll call you. I have your cell if the last
> 2 digits are 62.

That's it.

Paul

874. Parchute test

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-17 20:18:00 UTC
From: John Knapp
Topic: 874 Message: 874

Unless it is windy and raining, we are still planing on doing the parachute test on Saturday. Lets meet at Paul's Market in Kuna at 1:00pm. We can go from there south towards Swan Falls. The highway is straight and there shouldn't be a lot of traffic on the road. I will need two brave individuals to help me in the Jeep, dress warm. There is no heater. Unless I hear otherwise, I will monitor the 24 repeater.

Seen you then

John Knapp
KD7HGS

_____
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Make a great connection at Yahoo! Personals.
http://personals.yahoo.com

875. Re: [tvnsp] Parchute test

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-17 21:44:24 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 874 Message: 875

I'll be there with two parachutes, a GPS, scale, and note paper.
Doug, wil you be testing parachutes? We need someone to
photograph this momentous occasion.

Paul

> Unless it is windy and raining, we are still planing
> on doing the parachute test on Saturday. Lets meet at
> Paul's Market in Kuna at 1:00pm. We can go from there
> south towards Swan Falls. The highway is straight and
> there shouldn't be a lot of traffic on the road. I
> will need two brave individuals to help me in the
> Jeep, dress warm. There is no heater. Unless I hear
> otherwise, I will monitor the 24 repeater.

876. RE: [tvnsp] Parchute test

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-17 20:50:37 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 874 Message: 876

Nice to know I guessed correctly! I figured that the reason for meeting at Kuna was to make use of Swan Falls Road!

Can't promise to provide two bodies since I don't know how this parachute testing is organized, but I'm going to be there to help, and hope to have my son with me. If that's where we get assigned, count me in. I'll have my parachute along as well.

Question: What length line should I attach to the parachute for this testing? Or are you going to provide a standard line we attach the parachutes to?

Bill B.

> -----Original Message-----
> From: John Knapp [mailto:kd7hgs@...]
> Sent: Wednesday, October 17, 2001 2:18 PM
> To: tvnsp@yahoogroups.com
> Subject: [tvnsp] Parchute test
>
>
> Unless it is windy and raining, we are still planing
> on doing the parachute test on Saturday. Lets meet at
> Paul's Market in Kuna at 1:00pm. We can go from there
> south towards Swan Falls. The highway is straight and
> there shouldn't be a lot of traffic on the road. I
> will need two brave individuals to help me in the
> Jeep, dress warm. There is no heater. Unless I hear
> otherwise, I will monitor the 24 repeater.
>
> Seen you then
>
> John Knapp
> KD7HGS
>
> _____
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> ----------~-->
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> CLICK HERE to search
> 600,000 scholarships!
> http://us.click.yahoo.com/Pv4pGD/4m7CAA/ySSFAA/RGYolB/TM

> --
> -------~->
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to
> http://docs.yahoo.com/info/terms/
>
>

877. RE: [tvnsp] Parchute test

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-17 20:51:55 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 874 Message: 877

I'll try to remember to bring my digital camera. We can use that if you want
me to send the pictures someplace afterwards.

Bill B.

> -----Original Message-----
> From: verhap@... [mailto:verhap@...]
> Sent: Wednesday, October 17, 2001 8:44 AM
> To: tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] Parchute test
>
>
> I'll be there with two parachutes, a GPS, scale, and note paper.
> Doug, wil you be testing parachutes? We need someone to
> photograph this momentous occasion.
>
> Paul
>
>
> > Unless it is windy and raining, we are still planing
> > on doing the parachute test on Saturday. Lets meet at
> > Paul's Market in Kuna at 1:00pm. We can go from there
> > south towards Swan Falls. The highway is straight and
> > there shouldn't be a lot of traffic on the road. I
> > will need two brave individuals to help me in the
> > Jeep, dress warm. There is no heater. Unless I hear
> > otherwise, I will monitor the 24 repeater.
>
>
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> FREE COLLEGE MONEY
> CLICK HERE to search
> 600,000 scholarships!
> http://us.click.yahoo.com/Pv4pGD/4m7CAA/ySSFAA/RGYolB/TM
> ---
> --------~->
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to
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>
>

878. RE: [tvnsp] Parchute test

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-17 22:03:23 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 874 Message: 878

> Can't promise to provide two bodies since I don't know how this parachute
> testing is organized, but I'm going to be there to help, and hope to have my
> son with me. If that's where we get assigned, count me in. I'll have my
> parachute along as well.
>
> Question: What length line should I attach to the parachute for this
> testing? Or are you going to provide a standard line we attach the
> parachutes to?

Well, John disagreed with me, but I think the 'chute should be 10
car lengths behind the car. John's car is low, so should create
less trubulence. I'll let John jump here and explain his
reasoning. We want to be clear of it when testing the 'chutes. By
the way, I'll be bringing the standard line to drag the 'chutes with.

879. (Fwd) Pager Cutdown

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-17 22:13:05 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 879 Message: 879

I'll drop the pager cut down at Jeff's this afternoon. I'll also bring a chair and whip, in case the rabbits are lose.

Tonight is the Sanke River meeting. I'll bring a copy of the latest video to show.

Paul

880. Weekends

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-17 23:34:58 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 880 Message: 880

This weekend is the parachute testing. I need someone to bring a full tracker. I still haven't tested my new CC/PS under APRS. I need to do this before we start classes. No sense in having people build flight controllers that won't work properly.

The first weekend in November is a workshop for me. So I can't launch that wekend. I'd rather the workshop came out to see the launch, as I think they'd learn more.

Paul

881. RE: [tvnsp] Weekends

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-17 22:56:29 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 880 Message: 881

If by tracker you mean a mobile tracker, mine will be there. It's tied to my Geo Tracker in that it's mobile radio-based as opposed to a HT. Will this do? I can also bring the laptop and thus make it a full APRS+SA station, but not a tracker at the same time. Is this what you're after?

Bill B.

> -----Original Message-----
> From: verhap@... [mailto:verhap@...]
> Sent: Wednesday, October 17, 2001 10:35 AM
> To: tvnsp@yahoogroups.com
> Subject: [tvnsp] Weekends
>
>
> This weekend is the parachute testing. I need someone to bring a
> full tracker. I still haven't tested my new CC/PS under APRS. I
> need to do this before we start classes. No sense in having people
> build flight controllers that won't work properly.
>
> The first weekend in November is a workshop for me. So I can't
> launch that wekend. I'd rather the workshop came out to see the
> launch, as I think they'd learn more.
>
> Paul
>
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882. Re: [tvnsp] Next Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-18 00:18:07 UTC
From: Stephanie Steele
Topic: 719 Message: 882

Norma and I will be available the 17th and the 24th. We work all the rest.

--
Stephanie

****

"They that can give up essential liberty to obtain a little temporary safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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883. Re: [tvnsp] Next Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-18 01:03:04 UTC
From: Randy Farley
Topic: 719 Message: 883

Just got back from moose hunting so i am behind on a lot of happenings with the balloon group. My only guaranteed opening for ballooning right now is the 27th. After that more hunting and steehead fishing is in the works for the month of Nov. I know my priorities are screwed up, but ballooning comes after these favorite fall events of mine. If a weekend is open,i will let everyone know on a week by week basis for now.

Helium is a hard habit to kick sometimes <:)

Jeff Melanson wrote:
>
> Hi all,
>
> The next Near Space Capsule flight date is not yet finalized. The
> choices are Oct 27th,
> Nov 3rd, or Nov 10th. The date will depend on two things. 1) The arrival
> of the thermochrons and 2) the groups personal schedules. The
> thermochrons are expected at the end of the month. Since this is the
> last flight of the season let's pick the weekend that allows maximum
> participation. Everyone please reply and indicate the weekend or
> weekends that are best for you.
> Randy and Stephanie, Paul has your video tapes. Mark Conner and Ralph
> Wallio, Paul will be mailing your copy's out shortly.
> Paul purchased a 1500 gram balloon for an expected 85,000 ft flight.
> The balloon he purchased is thicker walled than previous ones and may go
> higher.
> This flight will include a cut down device to separate the balloon from
> the parachute. It will be operated by a timer which will be set at 2-1/2
> hours. If the balloon becomes buoyant the cut down device should bring
> it down. If we have a normal burst the cut down device will still
> separate the load line and what's left of the balloon from the
> parachute. Future flights (next season) will include computer control of
> the cut down device.
> This flight will also include a simplex repeater. The frequency is not
> yet determined. We will want to spread the word.
> Next Saturday we will be testing parachutes. Plan on meeting in the
> "Paul's Grocery Store" parking lot at 1 pm. We need several people to
> assist with this test.
>
> Jeff Melanson
> KD7INN
>
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> tvnsp-unsubscribe@egroups.com
>

>
>
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--
Regards,
Randy Farley
N7GPS -Ham Call-
My Home at: http://map.findu.com/n7gps
Find my pickup at: http://map.findu.com/n7gps-9
Also see daily weather radar reports for my location at:
(scroll to bottom of page)
http://www.findu.com/cgi-bin/find.cgi?call=n7gps&radar=CBX

884. Re: [tvnsp] Weekends

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-18 05:17:34 UTC
From: Bill Herrmann
Topic: 880 Message: 884

Since we're throwing out weekend information...

I'm unavailable this Saturday, but I think available on any of the mentioned possible balloon launch dates.

Bill H.
KD7MJC

885. RE: [tvnsp] Weekends

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-18 14:35:08 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 880 Message: 885

> If by tracker you mean a mobile tracker, mine will be there. It's tied to my
> Geo Tracker in that it's mobile radio-based as opposed to a HT. Will this
> do? I can also bring the laptop and thus make it a full APRS+SA station, but
> not a tracker at the same time. Is this what you're after?

I want to run my flight controller again and see if it shows up under
APRS. So I'll need someone with a laptop and Street Atlas.

Paul

886. RE: [tvnsp] Weekends

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-18 15:38:33 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 880 Message: 886

I'll bring mine, JIC, then.

Bill B.

> -----Original Message-----
> From: verhap@... [mailto:verhap@...]
> Sent: Thursday, October 18, 2001 1:35 AM
> To: tvnsp@yahoogroups.com
> Subject: RE: [tvnsp] Weekends
>
>
> > If by tracker you mean a mobile tracker, mine will be
> there. It's tied to my
> > Geo Tracker in that it's mobile radio-based as opposed to a
> HT. Will this
> > do? I can also bring the laptop and thus make it a full
> APRS+SA station, but
> > not a tracker at the same time. Is this what you're after?
>
> I want to run my flight controller again and see if it shows up under
> APRS. So I'll need someone with a laptop and Street Atlas.
>
> Paul
>
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887. RE: [tvnsp] Next Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-19 05:23:35 UTC
From: K7JPS - John
Topic: 719 Message: 887

With closing on a house the end of this month and moving in the first weekend of Nov, it will be 11/10 before I am available for a launch. I would prefer to see the group get one last launch in before the weather turns, so go without me and I might be able to do some mission control if the laptop isn't packed away. I will not be able to make the parachute testing this weekend.

John "I need one more helium dose before winter" Stone
K7JPS
-----Original Message-----
From: Jeff Melanson [mailto:kd7inn@...]
Sent: Saturday, October 13, 2001 23:00
To: tvnsp@yahoogroups.com
Subject: [tvnsp] Next Launch

Hi all,

The next Near Space Capsule flight date is not yet finalized. The choices are Oct 27th,
Nov 3rd, or Nov 10th. The date will depend on two things. 1) The arrival of the thermochrons and 2) the groups personal schedules. The thermochrons are expected at the end of the month. Since this is the last flight of the season let's pick the weekend that allows maximum participation. Everyone please reply and indicate the weekend or weekends that are best for you.
Randy and Stephanie, Paul has your video tapes. Mark Conner and Ralph
Wallio, Paul will be mailing your copy's out shortly.
Paul purchased a 1500 gram balloon for an expected 85,000 ft flight. The balloon he purchased is thicker walled than previous ones and may go higher.
This flight will include a cut down device to separate the balloon from
the parachute. It will be operated by a timer which will be set at 2-1/2 hours. If the balloon becomes buoyant the cut down device should bring it down. If we have a normal burst the cut down device will still separate the load line and what's left of the balloon from the parachute. Future flights (next season) will include computer control of the cut down device.
This flight will also include a simplex repeater. The frequency is not
yet determined. We will want to spread the word.
Next Saturday we will be testing parachutes. Plan on meeting in the "Paul's Grocery Store" parking lot at 1 pm. We need several people to assist with this test.

Jeff Melanson
KD7INN

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888. oops....

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-20 05:27:43 UTC
From: Tim Rynearson
Topic: 888 Message: 888
Attachments: 1 described; binary payloads are missing from this source WARC

I forgot to include a picture with the previous message. Here it is....

889. CC/PS and Parachute Test

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-21 20:33:22 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 889 Message: 889

Jeff and I just fdinished running a test on the newest CC/PS. Even though the MIM module can only send the first 65 characters in a GPS sentence, APRS displayed the position properly. So I'm going to announce the new flight computer ready.

I need to get a count. How many copies of the board do I need to shoot?

Mark, you asked about the old design. I think I still have the mask, but I'll recommend you get two copies of the new one. In the new design you can leave out the MIM and connect a KPC3 to the board.

I sent out everyone's videos yesterday. The Pony Express leaves Idaho sometime next week.

I need to get Mr Kelly's email address. I'd like to make a copy of the video for him.

We ran a few tests on parachutes yesterday. Dragging a parachute behind a car doesn't work. I managed to get a couple of chest compressions in the process. At about 50 pounds, the scale's hook bent. I think the scale is still alright. I should know later this week. The moral of the story? Don't stand behind a roll bar when dragging a parachute.

Paul

890. Re: [tvnsp] Next Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-21 20:17:50 UTC
From: Jeff Melanson
Topic: 719 Message: 890

Hi TVNSP group,

Paul and I were discussing the next launch schedule. The 27th is out. The thermochrons aren't here yet. Also we will be doing some more parachute testing on the 27th with an entirely different method. The 3rd is out. Paul will be working that day. The 10th might work but the 17th may be better. I'm trying to adjust the schedule for maximum participation. If we delay one more week to the 17th then Stephanie and Norma can participate. I need to know if that date will work for everyone else. Please let me know right away.

This is what I have so far:

10th 17th
Paul Y Y
Jeff Y Y
John K Y ?
John S Y ?
Mike G N ?
Randy N ?
Stephanie N Y
Norma N Y
Bill Herrmann Y ?
Bill Blohm ? ?
Doug Rich ? ?

Jeff Melanson
KD7INN

891. Re: [tvnsp] CC/PS and Parachute Test

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-21 20:23:11 UTC
From: Jeff Melanson
Topic: 889 Message: 891

verhap@... wrote:
>
> I sent out everyone's videos yesterday. The Pony Express leaves
> Idaho sometime next week.
>
> I need to get Mr Kelly's email address. I'd like to make a copy of
> the video for him.

Paul,

How many video copy's do we need?

Jeff

892. Re: [tvnsp] Next Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-21 20:42:48 UTC
From: Jeff Melanson
Topic: 719 Message: 892

Paul,

Is this list of payloads for the next flight correct? Any changes?

Upper Capsule:

Camcorder - Set to 4 hr. recording time.
Cut down device controlled with pager.
(This will drop a small item on a parachute.
The purpose is to test the pager reception at altitude)
Beads that change color in ultraviolet light.
(Mounted in field of view of camera)

Lower Capsule:

Pauls new controller.
Geiger Counter
Simplex Repeater

Above Capsules:

Thermochrons in four boxes.
(To test insulation properties of construction materials)

Above Parachute:

Cut down device on a timer
(To prevent long flights in case of a buoyant condition)

Jeff Melanson
KD7INN

893. Re: [tvnsp] Next Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-22 01:01:12 UTC
From: Randy Farley
Topic: 719 Message: 893

As of now Jeff, the 17th looks ok for me. The 10th is NO.

Jeff Melanson wrote:
>
> Hi TVNSP group,
>
> Paul and I were discussing the next launch schedule. The 27th is out.
> The thermochrons aren't here yet. Also we will be doing some more
> parachute testing on the 27th with an entirely different method. The 3rd
> is out. Paul will be working that day. The 10th might work but the 17th
> may be better. I'm trying to adjust the schedule for maximum
> participation. If we delay one more week to the 17th then Stephanie and
> Norma can participate. I need to know if that date will work for
> everyone else. Please let me know right away.
>
> This is what I have so far:
>
> 10th 17th
> Paul Y Y
> Jeff Y Y
> John K Y ?
> John S Y ?
> Mike G N ?
> Randy N ?
> Stephanie N Y
> Norma N Y
> Bill Herrmann Y ?
> Bill Blohm ? ?
> Doug Rich ? ?
>
> Jeff Melanson
> KD7INN
>
>
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>
>
>
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--
Regards,
Randy Farley
N7GPS -Ham Call-

My Home at: http://map.findu.com/n7gps
Find my pickup at: http://map.findu.com/n7gps-9
Also see daily weather radar reports for my location at:
(scroll to bottom of page)
http://www.findu.com/cgi-bin/find.cgi?call=n7gps&radar=CBX

894. Re: [tvnsp] Next Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-22 01:07:39 UTC
From: John Knapp
Topic: 719 Message: 894

At present we are available for the 17th.

John Knapp
KD7HGS

--- Jeff Melanson <kd7inn@...> wrote:
> Hi TVNSP group,
>
> Paul and I were discussing the next launch
> schedule. The 27th is out.
> The thermochrons aren't here yet. Also we will be
> doing some more
> parachute testing on the 27th with an entirely
> different method. The 3rd
> is out. Paul will be working that day. The 10th
> might work but the 17th
> may be better. I'm trying to adjust the schedule for
> maximum
> participation. If we delay one more week to the 17th
> then Stephanie and
> Norma can participate. I need to know if that date
> will work for
> everyone else. Please let me know right away.
>
> This is what I have so far:
>
> 10th 17th
> Paul Y Y
> Jeff Y Y
> John K Y ?
> John S Y ?
> Mike G N ?
> Randy N ?
> Stephanie N Y
> Norma N Y
> Bill Herrmann Y ?
> Bill Blohm ? ?
> Doug Rich ? ?
>
> Jeff Melanson
> KD7INN
>

_____
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895. Re: [tvnsp] CC/PS and Parachute Test

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-22 14:42:29 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 889 Message: 895

> > I sent out everyone's videos yesterday. The Pony Express leaves
> > Idaho sometime next week.
> >
> > I need to get Mr Kelly's email address. I'd like to make a copy of
> > the video for him.

> How many video copy's do we need?

Let's plan on at least two more.

Anyone else need a copy?

Paul

896. Re: [tvnsp] Next Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-22 14:44:52 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 719 Message: 896

> Is this list of payloads for the next flight correct? Any changes?

> Lower Capsule:
>
> Pauls new controller.
> Geiger Counter
> Simplex Repeater

I should have a dropzond, environmental sounder, and camera on
this capsule, also.

> Above Capsules:
>
> Thermochrons in four boxes.
> (To test insulation properties of construction materials)

I'd like to place this package between the capsules.

Paul

897. Status, 21 Oct

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-22 15:03:29 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 897 Message: 897

EOSS just completed a very sucessful flight. I noticed they carried an American flag on their capsule. I think we should do the same.

We need to select a frequency for the simplex repeater and get the word out. I'll notify the balloon scheduling email list on egroups about our upcoming flight as soon as we do the following....

Select a date (it sounds like 17 Nov will be the one)
Select a repeater frequency (how does the 2m call freq sound, 146.52 - I think)?

We have a manifest for the flight.

We'll need to shoot a bunch of CC/PS boards. Does someone have a basement where we could do this?

Paul

898. Re: [tvnsp] Status, 21 Oct, Pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-22 15:07:08 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 897 Message: 898

Oh, and here's the EOSS website on their last flight.

http://www.eoss.org/ansrecap/recap52.htm
and
http://www.eoss.org/ansrecap/recap52b.htm

Patches, did I mention patches?

I'd like to look into ordering TVNSP patches, since we have a logo.
someone mentioned a couple of weeks ago that they knew
someone who did this. Can anyone make a suggestion? If not, I'll
try making some phone calls.

Paul

899. Re: [tvnsp] CC/PS and Parachute Test

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-22 15:14:19 UTC
From: Doug Rich
Topic: 889 Message: 899

I would like a board.

Doug
At 01:33 PM 10/21/01 -0700, you wrote:
>Jeff and I just fdinished running a test on the newest CC/PS. Even
>though the MIM module can only send the first 65 characters in a
>GPS sentence, APRS displayed the position properly. So I'm
>going to announce the new flight computer ready.
>
>I need to get a count. How many copies of the board do I need to
>shoot?
>
>Mark, you asked about the old design. I think I still have the mask,
>but I'll recommend you get two copies of the new one. In the new
>design you can leave out the MIM and connect a KPC3 to the
>board.
>
>I sent out everyone's videos yesterday. The Pony Express leaves
>Idaho sometime next week.
>
>I need to get Mr Kelly's email address. I'd like to make a copy of
>the video for him.
>
>We ran a few tests on parachutes yesterday. Dragging a
>parachute behind a car doesn't work. I managed to get a couple of
>chest compressions in the process. At about 50 pounds, the
>scale's hook bent. I think the scale is still alright. I should know
>later this week. The moral of the story? Don't stand behind a roll
>bar when dragging a parachute.
>
>Paul
>
>
>
>
>
>
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>
>
>
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900. Re: [tvnsp] CC/PS and Parachute Test boundary="======================_7656295==_.ALT"

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-22 16:49:56 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 889 Message: 900

> I would like a board.

Alright, you're number three.

I dropped off diskettes to your wife yesterday. Sorry about my email messing up the files.

Paul

901. GPS deal

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-22 16:59:37 UTC
From: Tim Rynearson
Topic: 901 Message: 901
Attachments: 1 described; 1 payload recovered; 1 useful image is shown below

Greetings all....

I have come upon a great deal on GPS receivers and would like to know how many would be interested in obtaining one. These are Magellan GPS 2000 XL handheld models and come with a swivel-base mounting bracket and power-data module for running on external power and includes the pin-outs for power and NMEA 0183 data. These are new units, but don't come with any warranty since I'm not the original purchaser.
Need a great source of GPS data for your APRS tracker ? I can get them for $100 and will pass them along at the same price with free shipping. There are 50 units available, so they may go quite fast (first come, first served !). If the interest isn't generated here, I will list them on E-Bay with a $100 minimum bid.

Contact me direct if interested..... n7ubo@...

Tim, N7UBO

Recovered attachment: embedded_attachment_01.jpg (115x101)

902. Saturday past's pictures and data request

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-22 17:47:59 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 902 Message: 902

I've got two requests here. I'm in a class all week, so won't be seeing my e-mails except during lunch and after class sometime, but wanted to get these out.

First, where should I send/put the pictures of the parachute practice from this past Saturday (10/20/01)? I've got them on the laptop here, so can send them today once I know where to do so.

Second, going through the web site, I noticed that one of the things balloon chasers are supposed to do is log the data they're receiving. Merely for my own amusement, may I request the data from the last balloon, the one that was lost? I realize that if this data was being logged through APRS+SA or a similar program, only that data that has the checksums will be received, handled, and logged. Raw logging, however, might have caught some data that wasn't accepted by an APRS program. I've got two reasons for this request, one of which is to examine the data with a viewpoint towards seeing what a flight path might typically be like. The other is to see if perhaps I might be able to offer any aid in recovering the missing balloon. Besides, I like playing with navigational data, anyway.

73 de Bill B.

903. Re: [tvnsp] Saturday past's pictures and data request

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-22 19:20:25 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 902 Message: 903

Bill, once the webpages are updated, you can copy the logs. I'm placing them under "Other Products".

Paul

904. RE: [tvnsp] Next Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-22 23:59:08 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 719 Message: 904

Sorry, meant to reply earlier. I'm available for either date.

Bill B.

> -----Original Message-----
>
>
> At present we are available for the 17th.
>
> John Knapp
> KD7HGS
>
> --- Jeff Melanson <kd7inn@...> wrote:
> > Hi TVNSP group,
> >
> > Paul and I were discussing the next launch
> > schedule. The 27th is out.
> > The thermochrons aren't here yet. Also we will be
> > doing some more
> > parachute testing on the 27th with an entirely
> > different method. The 3rd
> > is out. Paul will be working that day. The 10th
> > might work but the 17th
> > may be better. I'm trying to adjust the schedule for
> > maximum
> > participation. If we delay one more week to the 17th
> > then Stephanie and
> > Norma can participate. I need to know if that date
> > will work for
> > everyone else. Please let me know right away.
> >
> > This is what I have so far:
> >
> > 10th 17th
> > Paul Y Y
> > Jeff Y Y
> > John K Y ?
> > John S Y ?
> > Mike G N ?
> > Randy N ?
> > Stephanie N Y
> > Norma N Y
> > Bill Herrmann Y ?
> > Bill Blohm ? ?
> > Doug Rich ? ?

> >
> > Jeff Melanson
> > KD7INN
> >
>
>
> _____
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> http://personals.yahoo.com
>
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>

905. Re: [tvnsp] Next Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-23 18:20:28 UTC
From: kc7dpd@velocitus.net
Topic: 719 Message: 905

Paul & the group,

I will be back in town for the parachute test this Saturday, but I am doubtful on any launch date in November. I am off the week from work, so I won't be able to get a definite answer until next Wednesday. Just give me a time for the parachute test and I can be there to take pictures or take the ride in the jeep, whatever needs to be done....!

Mike KC7DPD

> Hi TVNSP group,
>
> Paul and I were discussing the next launch schedule. The 27th is out.
> The thermochrons aren't here yet. Also we will be doing some more
> parachute testing on the 27th with an entirely different method. The
> 3rd is out. Paul will be working that day. The 10th might work but the
> 17th may be better. I'm trying to adjust the schedule for maximum
> participation. If we delay one more week to the 17th then Stephanie and
> Norma can participate. I need to know if that date will work for
> everyone else. Please let me know right away.
>
> This is what I have so far:
>
> 10th 17th
> Paul Y Y
> Jeff Y Y
> John K Y ?
> John S Y ?
> Mike G N ?
> Randy N ?
> Stephanie N Y
> Norma N Y
> Bill Herrmann Y ?
> Bill Blohm ? ?
> Doug Rich ? ?
>
> Jeff Melanson
> KD7INN
>
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906. Re: [tvnsp] Next Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-24 00:48:11 UTC
From: Bill Herrmann
Topic: 719 Message: 906

>Also we will be doing some more parachute testing on the 27th with an
>entirely different method.

I think I'm available then, but may have the kids in tow.

>The 10th might work but the 17th may be better.

The 17th currently looks better for me. Either is doable as far as I know.
(Kids are starting Y Basketball but I don't yet know when the games are.)

Bill

907. RE: [tvnsp] Next Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-24 14:31:08 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 719 Message: 907

Time and location for the parachute testing figured out yet? I, too, may have my son in tow.

Bill B.

> -----Original Message-----
> From: Bill Herrmann [mailto:bherrman@...]
> Sent: Tuesday, October 23, 2001 6:48 PM
> To: tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] Next Launch
>
>
>
> >Also we will be doing some more parachute testing on the
> 27th with an
> >entirely different method.
>
> I think I'm available then, but may have the kids in tow.
>
> >The 10th might work but the 17th may be better.
>
> The 17th currently looks better for me. Either is doable as
> far as I know.
> (Kids are starting Y Basketball but I don't yet know when the
> games are.)
>
> Bill
>
>
>
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>
>

908. RE: [tvnsp] Next Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-24 16:00:11 UTC
From: Doug Rich
Topic: 719 Message: 908

At 07:31 AM 10/24/01 -0700, BLOHM,BILL (HP-Boise,ex1) wrote:
>Time and location for the parachute testing figured out yet? I, too, may
>have my son in tow.
>
>Bill B.

This Saturday at Fairmont Park (Northview and Milwaukee) about 7:30am. Time
could be changed if needed.
Doug KD6GCL

> > -----Original Message-----
> > From: Bill Herrmann [mailto:bherrman@...]
> > Sent: Tuesday, October 23, 2001 6:48 PM
> > To: tvnsp@yahoogroups.com
> > Subject: Re: [tvnsp] Next Launch
> >
> >
> >
> > >Also we will be doing some more parachute testing on the
> > 27th with an
> > >entirely different method.
> >
> > I think I'm available then, but may have the kids in tow.
> >
> > >The 10th might work but the 17th may be better.
> >
> > The 17th currently looks better for me. Either is doable as
> > far as I know.
> > (Kids are starting Y Basketball but I don't yet know when the
> > games are.)
> >
> > Bill
> >
> >
> >
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> > ---
> > --------~->
> >
> > To unsubscribe from this group, send an email to:
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> >
> >
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909. RE: [tvnsp] Next Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-24 16:58:54 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 719 Message: 909

> >Time and location for the parachute testing figured out yet? I, too, may
> >have my son in tow.

> This Saturday at Fairmont Park (Northview and Milwaukee) about 7:30am. Time
> could be changed if needed.

Who is bringing what?

I'll bring a 'chute for testing. I'll also bring a metal ring and one of
my lanyards. I'll cut a couple of dowels to pin the 'chutes to the
ring. I'll also bring gloves. Am I missing anything?

We need a stop watch and cord.

910. RE: [tvnsp] Next Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-24 16:34:04 UTC
From: Doug Rich
Topic: 719 Message: 910

At 09:58 AM 10/24/01 -0700, verhap@... wrote:
> > >Time and location for the parachute testing figured out yet? I, too, may
> > >have my son in tow.
>
> > This Saturday at Fairmont Park (Northview and Milwaukee) about 7:30am.
> Time
> > could be changed if needed.
>
>Who is bringing what?
>
>I'll bring a 'chute for testing. I'll also bring a metal ring and one of
>my lanyards. I'll cut a couple of dowels to pin the 'chutes to the
>ring. I'll also bring gloves. Am I missing anything?
We are going to use a milk jug with water for weight. A good scale will be
needed. Paul - did your scale survive?
Doug

>We need a stop watch and cord.
>
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>
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911. RE: [tvnsp] Next Launch boundary="==========_15534199==_.ALT"

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-24 21:39:26 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 719 Message: 911

> We are going to use a milk jug with water for weight. A good scale will be
> needed. Paul - did your scale survive?

I think it did. i'll check it tonight.

Paul

912. RE: [tvnsp] Next Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-24 23:00:40 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 719 Message: 912

Have stopwatch, will bring. I'm not too sure about that early in the day, tho! ;-)

Bill B.

-----Original Message-----
From: Doug Rich [mailto:doug@...]
Sent: Wednesday, October 24, 2001 10:34 AM
To: tvnsp@yahoogroups.com; tvnsp@yahoogroups.com
Subject: RE: [tvnsp] Next Launch

At 09:58 AM 10/24/01 -0700, verhap@... wrote:

> >Time and location for the parachute testing figured out yet? I, too, may
> >have my son in tow.

> This Saturday at Fairmont Park (Northview and Milwaukee) about 7:30am. Time
> could be changed if needed.

Who is bringing what?

I'll bring a 'chute for testing. I'll also bring a metal ring and one of my lanyards. I'll cut a couple of dowels to pin the 'chutes to the ring. I'll also bring gloves. Am I missing anything?

We are going to use a milk jug with water for weight. A good scale will be needed. Paul - did your scale survive?
Doug

We need a stop watch and cord.

To unsubscribe from this group, send an email to:
tvnsp-unsubscribe@egroups.com

913. Re: [tvnsp] CC/PS and Parachute Test

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-25 03:58:39 UTC
From: Stephanie Steele
Topic: 889 Message: 913

Hi Paul & Group,

As long as the MIM will transmit a string that APRS+SA and WinAPRS can display then count me in for a controller board. I like the option of being able to interface a KPC-3 also, nice backup. Remind me please how much they were so I can begin counting pennies.

Stephanie

verhap@... wrote:

> Jeff and I just fdinished running a test on the newest CC/PS. Even
> though the MIM module can only send the first 65 characters in a
> GPS sentence, APRS displayed the position properly. So I'm
> going to announce the new flight computer ready.
>
> I need to get a count. How many copies of the board do I need to
> shoot?
>
> Mark, you asked about the old design. I think I still have the mask,
> but I'll recommend you get two copies of the new one. In the new
> design you can leave out the MIM and connect a KPC3 to the
> board.
>
> I sent out everyone's videos yesterday. The Pony Express leaves
> Idaho sometime next week.
>
> I need to get Mr Kelly's email address. I'd like to make a copy of
> the video for him.
>
> We ran a few tests on parachutes yesterday. Dragging a
> parachute behind a car doesn't work. I managed to get a couple of
> chest compressions in the process. At about 50 pounds, the
> scale's hook bent. I think the scale is still alright. I should know
> later this week. The moral of the story? Don't stand behind a roll
> bar when dragging a parachute.
>
> Paul
>
>
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--
Stephanie

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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highly recommend it as a safe and reliable means to conduct business. By
using the link below we both will receive a $5 sign up bonus.

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914. Re: [tvnsp] CC/PS and Parachute Test

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-25 14:47:36 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 889 Message: 914

> As long as the MIM will transmit a string that APRS+SA and WinAPRS can
> display then count me in for a controller board. I like the option of being
> able to interface a KPC-3 also, nice backup. Remind me please how much they
> were so I can begin counting pennies.

My cost is $6 for the board. That's all I'm asking.

Paul

915. (Fwd) [EOSS] Al Qaeda dooms Windsor launch site

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-25 14:50:25 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 915 Message: 915

Copies to: EOSS@yahoogroups.com, aerospike@...
From: Mike Manes <manes@...>
Date sent: Wed, 24 Oct 2001 23:43:48 -0600
Send reply to: EOSS@yahoogroups.com
Subject: [EOSS] Al Qaeda dooms Windsor launch site

From EOSS
++++++++++++++++++++++++++
I spoke with Tim at FAA Denver Center yesterday (Jeff Nicklos is out
a few days).

The word is that unmanned balloons are prohibited from flying thru
the new Enhanced Class B airspace surrounding some 29 CONUS airports;
DIA is one of them, but the only one in Colorado. This airspace extends
to a radius of 30 NM around the DEN VOR (about 1 mi S of the approach
end of Rwy 35L) and from the surface to, effectively, the orbit of
Pluto.
++++++++++++++++++++++++++
Does anyone have an aeronautical chart? We need to see how
this effects us.

Paul

916. Re: [tvnsp] CC/PS and Parachute Test

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-25 14:25:37 UTC
From: Stephanie Steele
Topic: 889 Message: 916

Thanks Paul. Put me down for 2 boards. Thanks!

Stephanie

verhap@... wrote:

> > As long as the MIM will transmit a string that APRS+SA and WinAPRS can
> > display then count me in for a controller board. I like the option of being
> > able to interface a KPC-3 also, nice backup. Remind me please how much they
> > were so I can begin counting pennies.
>
> My cost is $6 for the board. That's all I'm asking.
>
> Paul
>
>
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>
>
>
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--
Stephanie

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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the link below we both will receive a $5 sign up bonus.

https://www.paypal.com/refer/pal=kc7dba%40arrl.net

917. Class B airspace restrictions

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-25 16:53:33 UTC
From: Mark Conner
Topic: 917 Message: 917

Here is a link with all Class B airspace indicated:
http://www.eaa.org/flightplanner/us_maps.html

Closest ones to Boise are Seattle and SLC. Kansas City also has a
Class B area. NSBG's normal launch site is OK unless the flights go to
the NNW-NNE.

73 de Mark N9XTN

======================

From EOSS
++++++++++++++++++++++++++
I spoke with Tim at FAA Denver Center yesterday (Jeff Nicklos is out
a few days).

The word is that unmanned balloons are prohibited from flying thru
the new Enhanced Class B airspace surrounding some 29 CONUS airports;
DIA is one of them, but the only one in Colorado. This airspace extends
to a radius of 30 NM around the DEN VOR (about 1 mi S of the approach
end of Rwy 35L) and from the surface to, effectively, the orbit of
Pluto.
++++++++++++++++++++++++++
Does anyone have an aeronautical chart? We need to see how
this effects us.

Paul

918. Re: [tvnsp] CC/PS and Parachute Test

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-25 17:48:17 UTC
From: Harold Riley
Topic: 889 Message: 918

> My cost is $6 for the board. That's all I'm asking.
>
> Paul

Paul,

I usually try to post to the entire list,
but until I get up to speed on what's going
on at TVNSP, and/or if the post would not
be of great enough general interest, I'll do
these direct.

[from earlier] Is a "thermochron" a temperature
data logger? Is it by any chance one of the "Hobo"
brand models?

[from today] Who does your small quantity boards
for $6? Special contact or friend?

I'd like to find a way to make a small bunch of
SkyQuest expendable boards. Speaking of that,
would like to send you a SkyQuest expendable and
maybe have you fly it sometime just for fun!

Hank

Hank

Do You Yahoo!?
Make a great connection at Yahoo! Personals.
http://personals.yahoo.com

919. So much for sending direct to Paul :)

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-25 18:03:53 UTC
From: Harold Riley
Topic: 889 Message: 919

Just realized a second too late that it didn't
quite work as intended. :)

As long as I'm posting, might as well mention that
I also contacted Weatherwise last week and spoke
to the editor about the upcoming Super Launch
article.

Weatherwise has agreed to fax the article direct
to QST magazine which is interested in seeing the
article. I let QST managing editor Steve Ford
know about the Wxwise article, and he says QST
would like to see pictures of the launch for
consideration for "Upfront" section of QST or
elsewhere (QST web page is one alternative).

I mentioned that some of the pics I've already
seen are noteworthy and eyecatching (Mark Connor
website), and I sent
the digitized version of the "3 balloon rising"
image to Steve and Joel Kleinman, also an editor
at QST. This was just as a sample submission,
and was not intended to be used by QST in that
digitized form anyway.

I'll post back here with the QST snail mailing
address and Joel's name and title in case there
are any TVNSP listers with photos they'd like
to send. QST wants prints, slides, or *high*
quality (many pixels; sharp) digital files.

This message will go to KNSP list when I get
subscribed.

Hank

SkyQuest
HABLIC (a little down, but not out)

Do You Yahoo!?
Make a great connection at Yahoo! Personals.
http://personals.yahoo.com

920. Re: [tvnsp] CC/PS and Parachute Test

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-25 19:08:47 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 889 Message: 920

> [from earlier] Is a "thermochron" a temperature
> data logger? Is it by any chance one of the "Hobo"
> brand models?

Thermochrons are made by Dallas Semi. They're a small can
containing a temperature sensor, real time clock, memory, and a
battery. They're about the size of 5 stacked dimes. You connect
htem to a PC and give them a mission. After the mission, you
connect them to a PC and download their data. Check
www.ibutton.com

> [from today] Who does your small quantity boards
> for $6? Special contact or friend?

It's me. I make them in my bathroom, when I don't need it for other
things.

> I'd like to find a way to make a small bunch of
> SkyQuest expendable boards. Speaking of that,
> would like to send you a SkyQuest expendable and
> maybe have you fly it sometime just for fun!

Send me a schematic and I'll try designing the board. Send
TVNSP an expendable and we'll tether it to a flight. Can you email
us the frequency and format of its data?

Paul

921. RE: [tvnsp] (Fwd) [EOSS] Al Qaeda dooms Windsor launch site

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-25 18:34:54 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 915 Message: 921

I can get my hands on one, no idea how recent it will be, though. Let me
know if I need to follow up on this, if no-one else has one.

Bill B.

> -----Original Message-----
> From: verhap@... [mailto:verhap@...]
> Sent: Thursday, October 25, 2001 1:50 AM
> To: tvnsp@yahoogroups.com
> Subject: [tvnsp] (Fwd) [EOSS] Al Qaeda dooms Windsor launch site
>
>
> Copies to: EOSS@yahoogroups.com, aerospike@...
> From: Mike Manes <manes@...>
> Date sent: Wed, 24 Oct 2001 23:43:48 -0600
> Send reply to: EOSS@yahoogroups.com
> Subject: [EOSS] Al Qaeda dooms Windsor launch site
>
> From EOSS
> ++++++++++++++++++++++++++
> I spoke with Tim at FAA Denver Center yesterday (Jeff Nicklos is out
> a few days).
>
> The word is that unmanned balloons are prohibited from flying thru
> the new Enhanced Class B airspace surrounding some 29 CONUS airports;
> DIA is one of them, but the only one in Colorado. This
> airspace extends
> to a radius of 30 NM around the DEN VOR (about 1 mi S of the approach
> end of Rwy 35L) and from the surface to, effectively, the orbit of
> Pluto.
> ++++++++++++++++++++++++++
> Does anyone have an aeronautical chart? We need to see how
> this effects us.
>
> Paul
>
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>
> To unsubscribe from this group, send an email to:

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922. RE: [tvnsp] (Fwd) [EOSS] Al Qaeda dooms Windsor launch site

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-25 19:43:57 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 915 Message: 922

> I can get my hands on one, no idea how recent it will be, though. Let me
> know if I need to follow up on this, if no-one else has one.

I think we got our initial question answered. however, we probably
should have one or more for our records.

Paul

923. Thermochrons

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-25 19:44:48 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 915 Message: 923

Jeff, I got your thermochron kit in the mail. I still have not recieved the extras we ordered (back in later August).

Paul

924. RE: [tvnsp] (Fwd) [EOSS] Al Qaeda dooms Windsor launch site

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-25 23:40:00 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 915 Message: 924

I'll see if I can get one, then.

Bill B.

> -----Original Message-----
> From: verhap@... [mailto:verhap@...]
> Sent: Thursday, October 25, 2001 6:44 AM
> To: tvnsp@yahoogroups.com
> Subject: RE: [tvnsp] (Fwd) [EOSS] Al Qaeda dooms Windsor launch site
>
>
> > I can get my hands on one, no idea how recent it will be,
> though. Let me
> > know if I need to follow up on this, if no-one else has one.
>
> I think we got our initial question answered. however, we probably
> should have one or more for our records.
>
> Paul
>

925. Great Plains 2002

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-26 00:38:45 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 925 Message: 925

K-State has requested information from me regarding the mini-symposium this summer. I notified them that we would not charge for the program (which I think helps our case). They do need to know the date involved.

what dates did we settle on. We want to launch around the 4th of July. People would arrive on Thuesday as i recall, with the mini on Friday. This leaves Sat and Sun as possible launch dates.

Is this as everyone remembers?

Paul

926. New member?

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-26 02:35:49 UTC
From: paulson58@juno.com
Topic: 926 Message: 926

Paul-
I heard about you and TVNSP from Don Ingram. I'm a new local ham, and RC'er, fly by video (ATV), etch my own circuit boards, some Robotics and a little PBasic. I am a master micro woodworker. Literally! Anyway, I think what your doing locally would be great fun to get in on. Do you have an upcoming launch?, Parachute testing? Something I can help with and learn from? I'm volunteering to learn and build and chase and..... well you get the idea. I have an RC plane that uses a 3.2 cid gas engine. It has a 12 foot wingspan and was built just to haul stuff up in the air. I can probably get 35 to 40 pounds off the ground with it and drop it for test's. I know it won't go very high compared to what your doing, but if someone needs a flight platform for pre-launch test flights, I'm in. Just let me know where and when.
Dan Paulson

927. Re: [tvnsp] New member?

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-26 14:50:02 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 926 Message: 927

> I heard about you and TVNSP from Don Ingram. I'm a new local ham, and
> RC'er, fly by video (ATV), etch my own circuit boards, some Robotics
> and a little PBasic. I am a master micro woodworker. Literally!
> Anyway, I think what your doing locally would be great fun to get in
> on. Do you have an upcoming launch?, Parachute testing? Something I
> can help with and learn from? I'm volunteering to learn and build and
> chase and..... well you get the idea. I have an RC plane that uses a
> 3.2 cid gas engine. It has a 12 foot wingspan and was built just to
> haul stuff up in the air. I can probably get 35 to 40 pounds off the
> ground with it and drop it for test's. I know it won't go very high
> compared to what your doing, but if someone needs a flight platform
> for pre-launch test flights, I'm in. Just let me know where and when.

We're doing drop tests of parachutes from balloons this Saturday
at Northview Park, at the intersection of Milwauke and Northview.
Testing starts at 7:30 AM and runs until ????

We're planning a launch on the 17th of November. Now that you're
a member, you can keep up to date with our activities. Starting
next month we'll build a fleet of capsules. You're welcome to build
them also.

Paul

928. thermochrons

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-26 16:47:29 UTC
From: Harold Riley
Topic: 889 Message: 928

Paul V. wrote:

> Thermochrons are made by Dallas Semi. They're a small can
> containing a temperature sensor, real time clock, memory, and a
> battery. They're about the size of 5 stacked dimes. You connect
> htem to a PC and give them a mission. After the mission, you
> connect them to a PC and download their data. Check
> www.ibutton.com

I knew about ibuttons, but the thermochrons are new to me.
Should have done a web search first too.

I'll have to get at least one of these quick. Paul,
have there been delays in delivery lately from the Dallas
online store?

Hank

Do You Yahoo!?
Make a great connection at Yahoo! Personals.
http://personals.yahoo.com

929. Re: SkyQuest expendable wx instrument system

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-26 17:04:45 UTC
From: Harold Riley
Topic: 889 Message: 929

Hank R.> > I'd like to find a way to make a small bunch of
HR> > SkyQuest expendable boards. Speaking of that,
HR> > would like to send you a SkyQuest expendable and
HR> > maybe have you fly it sometime just for fun!
>
Paul V.> Send me a schematic and I'll try designing the board. Send
PV> TVNSP an expendable and we'll tether it to a flight. Can you email

PV> us the frequency and format of its data?

Hitching a ride with TVNSP would be great fun and an honor.

I can modify the format and channels as needed by a particular
mission, but the format we've used has been flight tested and
is already published on the SkyQuest website:

http://www.geocities.com/n1ltv/sqpage.htm

Please note that additional SkyQuest material is linked
from the above page. Take the link to HABLIC and then
link again to SkyQuest NWS Open House 2000. This could be
organized a little better, but that's the way it's set up
now.

The telemetry is emitted on a precision clock schedule
in both CW and RTTY (ASCII). The receiver should be
an SSB capable unit. The modem hooked to the SSB receiver
audio output is a little out of the ordinary (for the last
decade), but doesn't have to be homemade.

CW and RTTY can and is decoded by computer, unattended
(almost). The "almost" qualifier is because the tuning
is way less forgiving then FM, but then the range per
milliwatt is superior (with CW and probably also with
OOK RTTY).

Hank

Do You Yahoo!?
Make a great connection at Yahoo! Personals.
http://personals.yahoo.com

930. Re: SkyQuest expendable wx instrument system

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-26 17:37:59 UTC
From: Harold Riley
Topic: 889 Message: 930

The following is directly from the web page linked as
"controller capabilities." SQ3 is SkyQuest 3 from May 2000.

Beside F, I, and O, there is a B reading (only in RTTY)
that is battery voltage. We don't use 144.00 MHz
anymore. The entire format is reprogrammable, and the
data cycle is synchronized to whole minutes. This means that
everything you might hear as far as IDs, temperatures,
etc. will be repeated exactly every 60 seconds throughout
the course of the flight. That makes it easier to discern
what's happening under marginal signal conditions, as
well as establishing an unmistakable signal signature.

Hank

SQ3 telemetry data format

Transmitter: ~144.00 Mhz

1 frame per minute

F = frame number 0 to 99 and then rollover to 0; leading zero
retained
I = inside temperature 0 to 255; leading zeroes retained
O = outside temperature 0 to 255; leading zeroes retained

CW data: F07 I234 O186 1 data set per frame
RTTY data: I=234 O=186 B=076 2 data sets per frame

CW at approximately 18 WPM rate.

RTTY on-off keying (see ARRL Handbook) at 110 baud ASCII, 7 bits, no
parity, 2 stop bits.

Decoding tables for temperature and battery voltage available.

_____
Do You Yahoo!?
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http://personals.yahoo.com

931. 'Chute testing

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-26 17:54:09 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 931 Message: 931

I'm not going to be attending the parachute testing tomorrow after all.
Here's wishing you fair weather for the testing!

I'm still looking to see where to send the pictures for the testing last
weekend.

Bill B.

932. Re: [tvnsp] thermochrons

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-26 19:10:55 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 889 Message: 932

> I'll have to get at least one of these quick. Paul,
> have there been delays in delivery lately from the Dallas
> online store?

Yep!
We order four of them in August and have recieved only one so far.

Paul

933. Re: [tvnsp] Re: SkyQuest expendable wx instrument system

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-26 19:13:56 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 889 Message: 933

> I can modify the format and channels as needed by a particular
> mission, but the format we've used has been flight tested and
> is already published on the SkyQuest website:
>
> http://www.geocities.com/n1ltv/sqpage.htm
>
> Please note that additional SkyQuest material is linked
> from the above page. Take the link to HABLIC and then
> link again to SkyQuest NWS Open House 2000. This could be
> organized a little better, but that's the way it's set up
> now.
>
> The telemetry is emitted on a precision clock schedule
> in both CW and RTTY (ASCII). The receiver should be
> an SSB capable unit. The modem hooked to the SSB receiver
> audio output is a little out of the ordinary (for the last
> decade), but doesn't have to be homemade.

Okay kids, we need to be set upwith SSB. I assume we'll want a
stationary site to handle the telemetry. I'll throw in a camera
pointed down to get pictures of Hank's capsule.

We'll need to weigh capsules. If we don't have the weight this time,
we'll put it on the next flight.

Paul

934. Re: [tvnsp] 'Chute testing

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-26 19:37:15 UTC
From: Doug Rich
Topic: 931 Message: 934

At 10:54 AM 10/26/01 -0700, BLOHM,BILL (HP-Boise,ex1) wrote:
>I'm not going to be attending the parachute testing tomorrow after all.
>Here's wishing you fair weather for the testing!
>
>I'm still looking to see where to send the pictures for the testing last
>weekend.
Send them to me.
Doug

>Bill B.
>
>To unsubscribe from this group, send an email to:
>tvnsp-unsubscribe@egroups.com
>
>
>
>Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

935. Parachute Test

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-26 19:51:16 UTC
From: Doug Rich
Topic: 935 Message: 935

I think the balloon lift and parachute test should be delayed until 8:30 AM. It is dark earlier and a little cold. If winds get too much we will just stop. Please let everyone know. Thanks

Doug KD6GCL

kd6gcl@...
doug@...

936. Re: [tvnsp] (Fwd) [EOSS] Al Qaeda dooms Windsor launch site

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-26 19:56:05 UTC
From: Jeff Melanson
Topic: 915 Message: 936

Paul,

These restrictions do not affect us.

Jeff Melanson
KD7INN

verhap@... wrote:
>
> Copies to: EOSS@yahoogroups.com, aerospike@...
> From: Mike Manes <manes@...>
> Date sent: Wed, 24 Oct 2001 23:43:48 -0600
> Send reply to: EOSS@yahoogroups.com
> Subject: [EOSS] Al Qaeda dooms Windsor launch site
>
> >From EOSS
> ++++++++++++++++++++++++
> I spoke with Tim at FAA Denver Center yesterday (Jeff Nicklos is out
> a few days).
>
> The word is that unmanned balloons are prohibited from flying thru
> the new Enhanced Class B airspace surrounding some 29 CONUS airports;
> DIA is one of them, but the only one in Colorado. This airspace extends
> to a radius of 30 NM around the DEN VOR (about 1 mi S of the approach
> end of Rwy 35L) and from the surface to, effectively, the orbit of
> Pluto.
> ++++++++++++++++++++++++
> Does anyone have an aeronautical chart? We need to see how
> this effects us.
>
> Paul
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
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937. Re: [tvnsp] Thermochrons

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-26 19:58:07 UTC
From: Jeff Melanson
Topic: 915 Message: 937

Paul,

I'll pick it up from you tomorrow at the parachute test site. Sounds
like Doug change the time to 8:30 am. Sounds good to me.

Jeff Melanson
KD7INN

verhap@... wrote:
>
> Jeff, I got your thermochron kit in the mail. I still have not recieved
> the extras we ordered (back in later August).
>
> Paul
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

938. Re: SkyQuest expendable wx instrument system

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-26 20:22:11 UTC
From: Harold Riley
Topic: 889 Message: 938

> Okay kids, we need to be set upwith SSB. I assume we'll want a
> stationary site to handle the telemetry. I'll throw in a camera
> pointed down to get pictures of Hank's capsule.
>
> We'll need to weigh capsules. If we don't have the weight this time,
>
> we'll put it on the next flight.
>
> Paul

Paul,

I don't have a controller wired up at the moment Paul,
and realistically won't be able to do so with any kind of
margin of comfort for a November launch. Maybe if TVNSP
goes into December we could get you something with some
time to spare.

I was talking about something in advance and not even
presuming about a launch even this year. I am gratified
that it could even come up for consideration this soon after
the mention of it.

It weighs just a few ounces including its clock
oscillator "transmitter" AND battery. TVNSP might like to
hook up a real 2 meter or other frequency transmitter
instead of the clock, but it has been very susceptible
to RFI -- indeed so much so that the clock and a two
stage approx. 50 milliwatt transmitter have been the
only ones to not paralyze it with RF. By paralyze I
mean stop the controller cold so that it babbled
nonsense.

There's actually a pretty good picture of it on
the website, as well as the NWS field receiver
and decoder station under the big tent.

You'll see there isn't much to it. I'm not a software
guy, but this is predominantly software, although adding
a barometer/altimeter in the near future will add linear
circuit complexity that has been largely avoided with the
present voltage and temperature channels.

This list is sure hopping. :)

Hank

Do You Yahoo!?
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http://personals.yahoo.com

939. Re: [tvnsp] Parachute Test

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-26 22:04:00 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 935 Message: 939

> I think the balloon lift and parachute test should be delayed until 8:30
> AM. It is dark earlier and a little cold. If winds get too much we will
> just stop. Please let everyone know. Thanks

Alright you lot, you heard Mr. Rich. We begin testing at 8:30
instead.

Paul

940. Re: [tvnsp] Re: SkyQuest expendable wx instrument system

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-26 22:07:35 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 889 Message: 940

> I don't have a controller wired up at the moment Paul,
> and realistically won't be able to do so with any kind of
> margin of comfort for a November launch. Maybe if TVNSP
> goes into December we could get you something with some
> time to spare.

Depending on wind and weather, we may be able to launch in the
winter. You'll definitely want to be ready for Spring. My plan is to
tether your capsule below our experiment module. We'll get
pictures of the ground along with your capsule.

Paul

941. Re: [tvnsp] Parachute Test

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-27 01:04:49 UTC
From: Bill Herrmann
Topic: 935 Message: 941

At 01:51 PM 10/26/01 -0600, you wrote:
>I think the balloon lift and parachute test should be delayed until 8:30
>AM. It is dark earlier and a little cold. If winds get too much we will
>just stop. Please let everyone know. Thanks

I like that time a whole lot better than the earlier one. (though I've got some potential conflicts coming up) How long are we anticipating the testing to take? I don't know the park in question at all. Any tips on where you'll be?

Bill

942. Re: [tvnsp] Parachute Test

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-27 04:05:39 UTC
From: Doug Rich
Topic: 935 Message: 942

It should not take long. Maybe an hour. Fairview turn north on Milwaukee
and go to the first stop sign (Northview) and turn right and you are there.

Doug

At 07:04 PM 10/26/01 -0600, you wrote:
>At 01:51 PM 10/26/01 -0600, you wrote:
> >I think the balloon lift and parachute test should be delayed until 8:30
> >AM. It is dark earlier and a little cold. If winds get too much we will
> >just stop. Please let everyone know. Thanks
>
>I like that time a whole lot better than the earlier one. (though I've got
>some potential conflicts coming up) How long are we anticipating the
>testing to take? I don't know the park in question at all. Any tips on
>where you'll be?
>
>Bill
>
>
>
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>
>
>
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943. Re: [KNSP] Great Plains 2002

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-27 22:11:47 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 943 Message: 943

> How long can your 8mm camera record? I can only get 2 hours on my VHS-C.

Actually it's Jeff's camcorder. It records up to 4 hours on an 8mm
tape. I'll aks him to forward the make and model.

Jeff?

Paul

944. (Fwd) Re: [EOSS] [Fwd: APRS report]

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-27 22:17:38 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 944 Message: 944

From EOSS
++++++++++++++++++++++++++++++++++++
Hi Paul,

EOSS doesn't have any flights on the docket for November, so there
are no freqs to coordinate. But we'd sure love to help ya hit a
record repeater QSO from here in the Denver area. The driveable
high summits are closed for the winter, but maybe some of our members
on the western slope could get in. Have you run a range circle from
your expected apogee yet? And what freq will your repeater use?
++++++++++++++++++++++++++++++++++++

At the next meeting, let's pin down our frequencies.

The next meeting is next Sunday, at Idaho Pizza. Same time and
same place.

Note this meeting is on Sunday, rather than Sunday.

We need discuss the next mission and introduce new members to
TVNSP.

Paul

945. Winter Meetings, etc

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-27 22:37:10 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 945 Message: 945

I just checked with HobbyTown in Boise. We can use their gaming room in the back. It's set aside for any groups doing hobby type activites.

We have to wirte in the times we'd like to use the room. If our meetings aren't closed to the public, then the room is free. On their calendar, Saturdays are already taken. However Sundays are fully opened. Would people be interested in meeting every other Sunday to work on their near space capsules? HobbyTown is opened from 11:00 to 5:00 on Sundays.

Any interest in TVNSP sweat shirts? I'd like to make the back logo "Got Helium?"

I'll start putting together a set of flyers to advertise TVNSP and our HobbyTown meetings. I'd like to drum up some more public interest.

For the Nov 17 flight, some one mentioned that we should contact a particular TV reporter. I believe he works at Channel 7. I can make the contact if you'll let me know who it is.

We had a great balloon test today. It took more hours than we thought, but was very entertaining (and people say quality entertainment is difficult to come by these days). We'll be putting video of a certain person taking hits off the helium balloon.

Paul

946. Re: [tvnsp] Re: [KNSP] Great Plains 2002

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-27 22:44:56 UTC
From: Jeff Melanson
Topic: 943 Message: 946

It is a model CCD-TRV68 Sony Video Camcorder. It records 2 hrs on standard play and 4 hrs on long play when using a 120 minute cassette. It uses 8mm tapes (standard or Hi8). It weighs just under 3 lbs with tape and battery installed. It comes with a 2 hr lithium battery. I bought and installed a 5 hr battery.
It has been flown on two flights. The first flight was a night flight that took it to about 85,000 ft. On that flight the small B&W viewfinder failed. A circuit board that supply's power to the viewfinder was replaced. Everything else was fine and we had good video. The second flight went to about 44,000 ft. There were no failures. Our next flight will be on Nov. 17th and we hope to reach 95,000 ft. I'll report on camera performance after that flight.
There is a couple of things to be aware of with this camera. Once the camera is powered on you must start recording within 5 minutes or it will shut off automatically. We start recording as soon as it is turned on. The focus must be set to manual and set to infinity. The autofocus doesn't know what to focus on at altitude and keeps hunting. You get some blurry recordings.
I would be interested in hearing about how other video camcorders have been performing.

Jeff Melanson
KD7INN

verhap@... wrote:
>
> > How long can your 8mm camera record? I can only get 2 hours on my VHS-C.
>
> Actually it's Jeff's camcorder. It records up to 4 hours on an 8mm
> tape. I'll aks him to forward the make and model.
>
> Jeff?
>
> Paul
>
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>
>
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947. Re: [tvnsp] Winter Meetings, etc

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-27 22:58:03 UTC
From: Jeff Melanson
Topic: 945 Message: 947

Sunday is good for me.

Note to group: The next launch is officially set to Nov 17th.

Don't forget to set your clocks back one hour tonight!

Paul, I don't wear sweat shirts but I would be interested in a patch to
go on the side of my capsule and on a ball cap.

Jeff Melanson
KD7INN

verhap@... wrote:
>
> I just checked with HobbyTown in Boise. We can use their gaming
> room in the back. It's set aside for any groups doing hobby type
> activites.
>
> We have to wirte in the times we'd like to use the room. If our
> meetings aren't closed to the public, then the room is free. On
> their calendar, Saturdays are already taken. However Sundays are
> fully opened. Would people be interested in meeting every other
> Sunday to work on their near space capsules? HobbyTown is
> opened from 11:00 to 5:00 on Sundays.
>
> Any interest in TVNSP sweat shirts? I'd like to make the back
> logo "Got Helium?"
>
> I'll start putting together a set of flyers to advertise TVNSP and our
> HobbyTown meetings. I'd like to drum up some more public
> interest.
>
> For the Nov 17 flight, some one mentioned that we should contact
> a particular TV reporter. I believe he works at Channel 7. I can
> make the contact if you'll let me know who it is.
>
> We had a great balloon test today. It took more hours than we
> thought, but was very entertaining (and people say quality
> entertainment is difficult to come by these days). We'll be putting
> video of a certain person taking hits off the helium balloon.
>
> Paul
>
>
>
>

> To unsubscribe from this group, send an email to:
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>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

948. Re: [tvnsp] Winter Meetings, etc

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-27 23:30:53 UTC
From: Mike Garske
Topic: 945 Message: 948

Sundays are perfect for me!

Paul, I will send the video directly to you so you can put it on the website. It is 1.3MB, so I don't know if I should send it to the whole group.....it is hilarious!

John Miller is the Channel 7 reporter that you want to contact, he does the "Idaho Life" series that air at the end of the 5:00pm newscast. It could get us some good PR!

Count me in for a sweatshirt.

Mike KC7DPD

----- Original Message -----
From: "Jeff Melanson" <kd7inn@...>
To: <tvnsp@yahoogroups.com>
Sent: Saturday, October 27, 2001 4:58 PM
Subject: Re: [tvnsp] Winter Meetings, etc

> Sunday is good for me.
>
> Note to group: The next launch is officially set to Nov 17th.
>
> Don't forget to set your clocks back one hour tonight!
>
> Paul, I don't wear sweat shirts but I would be interested in a patch to
> go on the side of my capsule and on a ball cap.
>
> Jeff Melanson
> KD7INN
>
>
> verhap@... wrote:
> >
> > I just checked with HobbyTown in Boise. We can use their gaming
> > room in the back. It's set aside for any groups doing hobby type
> > activites.
> >
> > We have to wirte in the times we'd like to use the room. If our
> > meetings aren't closed to the public, then the room is free. On
> > their calendar, Saturdays are already taken. However Sundays are
> > fully opened. Would people be interested in meeting every other
> > Sunday to work on their near space capsules? HobbyTown is
> > opened from 11:00 to 5:00 on Sundays.
> >

> > Any interest in TVNSP sweat shirts? I'd like to make the back
> > logo "Got Helium?"
> >
> > I'll start putting together a set of flyers to advertise TVNSP and our
> > HobbyTown meetings. I'd like to drum up some more public
> > interest.
> >
> > For the Nov 17 flight, some one mentioned that we should contact
> > a particular TV reporter. I believe he works at Channel 7. I can
> > make the contact if you'll let me know who it is.
> >
> > We had a great balloon test today. It took more hours than we
> > thought, but was very entertaining (and people say quality
> > entertainment is difficult to come by these days). We'll be putting
> > video of a certain person taking hits off the helium balloon.
> >
> > Paul
> >
> >
> >
> >
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> >
> >
> >
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>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
>

949. Re: [tvnsp] Parachute Test

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-28 03:53:32 UTC
From: Bill Herrmann
Topic: 935 Message: 949

Hey all - I think I mentioned to some of you that I have a weather monitoring station on the house. Thought you would like to see the data for the time when we were chute testing.

Highest wind speed recorded was 5mph. Highest average was only 2mph. (That's the average over a 15 minute period.)

The temperature was about 40 degrees when we really got going at 10:00 and rose to 60 by 1:00.

Obviously conditions differ some in Boise (I'm in Eagle) but it should be fairly representative.

Bill
KD7MJC

950. Sunday OK

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-28 06:03:01 UTC
From: paulson58@juno.com
Topic: 950 Message: 950

Paul-
Sunday is good for me also. How do the Camcorders get brought up to altitude? Do they just hang out in the open? I have an idea for a heat source. Its just a thought, but I have seen Chemical hand warmers for outdoor activities. It's been a few years, I've never bought one, but it seems to me they were something like a palm sized Zippo lighter. You mixed two chemicals and it just gave off heat for awhile. You put it in your pocket and whenever your hands got cold, you reach in and hold the warmer. Slow chemical reaction just may be the way to go. Epoxy puts off heat when polymerizing. But then again, I don't know if it would bust out of it's containment.
The sweatshirt souds good to me but only if I can get an Extra Large/ Long. I think the Long are hard to come by.
Dan

951. Re: [tvnsp] Winter Meetings, etc

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-28 11:45:41 UTC
From: Doug Rich
Topic: 945 Message: 951

At 05:30 PM 10/27/01 -0600, Mike Garske wrote:
>Sundays are perfect for me!
>
>Paul, I will send the video directly to you so you can put it on the
>website. It is 1.3MB, so I don't know if I should send it to the whole
>group.....it is hilarious!

It will need to come to me to get put on the web. What format is it? You
can just email it to me.
Doug

>John Miller is the Channel 7 reporter that you want to contact, he does the
>"Idaho Life" series that air at the end of the 5:00pm newscast. It could get
>us some good PR!
>
>Count me in for a sweatshirt.
>
>Mike KC7DPD
>
>
>----- Original Message -----
>From: "Jeff Melanson" <kd7inn@...>
>To: <tvnsp@yahoogroups.com>
>Sent: Saturday, October 27, 2001 4:58 PM
>Subject: Re: [tvnsp] Winter Meetings, etc
>
>
> > Sunday is good for me.
> >
> > Note to group: The next launch is officially set to Nov 17th.
> >
> > Don't forget to set your clocks back one hour tonight!
> >
> > Paul, I don't wear sweat shirts but I would be interested in a patch to
> > go on the side of my capsule and on a ball cap.
> >
> > Jeff Melanson
> > KD7INN
> >
> >
> > verhap@... wrote:
> > >
> > > I just checked with HobbyTown in Boise. We can use their gaming
> > > room in the back. It's set aside for any groups doing hobby type
> > > activites.

> > >
> > > We have to wirte in the times we'd like to use the room. If our
> > > meetings aren't closed to the public, then the room is free. On
> > > their calendar, Saturdays are already taken. However Sundays are
> > > fully opened. Would people be interested in meeting every other
> > > Sunday to work on their near space capsules? HobbyTown is
> > > opened from 11:00 to 5:00 on Sundays.
> > >
> > > Any interest in TVNSP sweat shirts? I'd like to make the back
> > > logo "Got Helium?"
> > >
> > > I'll start putting together a set of flyers to advertise TVNSP and our
> > > HobbyTown meetings. I'd like to drum up some more public
> > > interest.
> > >
> > > For the Nov 17 flight, some one mentioned that we should contact
> > > a particular TV reporter. I believe he works at Channel 7. I can
> > > make the contact if you'll let me know who it is.
> > >
> > > We had a great balloon test today. It took more hours than we
> > > thought, but was very entertaining (and people say quality
> > > entertainment is difficult to come by these days). We'll be putting
> > > video of a certain person taking hits off the helium balloon.
> > >
> > > Paul
> > >
> > >
> > >
> > >
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> > > tvnsp-unsubscribe@egroups.com
> > >
> > >
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>tvnsp-unsubscribe@egroups.com
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>
>Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

952. RE: [tvnsp] Sunday OK

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-28 14:36:49 UTC
From: K7JPS - John
Topic: 950 Message: 952

Sunday's are a good day for me to meet and build capsules, Also Paul, would you put me down for 2 controller boards. Not that I'm going to build both of them up this winter, but I would like to have a "spare".

Dan, when you come to our meeting I'm sure that Jeff will have his capsule with him so that you can see the setup. The camcorder is contained in it's own insulated module inside the capsule, with an opening for the lens. I think he is planning to add an opening for the mic to reduce camcorder noise and pick up more external sound. In previous flights we have been able to record the sound of a train whistle and an airplane engine.

After the viewfinder failure on TV01F we were concerned that the cause may have been cold induced. We discussed the possibility of using hand warmers, but it was brought to our attention that the packs also require oxygen which the manufacturer assumes is in abundant supply for a human user, however this is not the case on balloon flights.

John Stone
K7JPS
-----Original Message-----
From: paulson58@... [mailto:paulson58@...]
Sent: Sunday, October 28, 2001 00:03
To: tvnsp@yahoogroups.com
Subject: [tvnsp] Sunday OK

Paul-
Sunday is good for me also. How do the Camcorders get brought up to altitude? Do they just hang out in the open? I have an idea for a heat source. Its just a thought, but I have seen Chemical hand warmers for outdoor activities. It's been a few years, I've never bought one, but it seems to me they were something like a palm sized Zippo lighter. You mixed two chemicals and it just gave off heat for awhile. You put it in your pocket and whenever your hands got cold, you reach in and hold the warmer. Slow chemical reaction just may be the way to go. Epoxy puts off heat when polymerizing. But then again, I don't know if it would bust out of it's containment.
The sweatshirt souds good to me but only if I can get an Extra Large/ Long. I think the Long are hard to come by.
Dan

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953. Re: [tvnsp] Sunday OK

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-28 15:52:23 UTC
From: Jeff Melanson
Topic: 950 Message: 953

> K7JPS - John wrote:
>
> Sunday's are a good day for me to meet and build capsules, Also Paul,
> would you put me down for 2 controller boards. Not that I'm going to
> build both of them up this winter, but I would like to have a "spare".
>
> Dan, when you come to our meeting I'm sure that Jeff will have his
> capsule with him so that you can see the setup. The camcorder is
> contained in it's own insulated module inside the capsule, with an
> opening for the lens. I think he is planning to add an opening for
> the mic to reduce camcorder noise and pick up more external sound. In
> previous flights we have been able to record the sound of a train
> whistle and an airplane engine.

I added the opening for the mic. It picks up external sound ok but it
still hears internal sounds really well. Hmmm?

>
> After the viewfinder failure on TV01F we were concerned that the cause
> may have been cold induced. We discussed the possibility of using
> hand warmers, but it was brought to our attention that the packs also
> require oxygen which the manufacturer assumes is in abundant supply
> for a human user, however this is not the case on balloon flights.

Actually Paul thinks it was the altitude. His theory is that the low
pressure
conditions allowed high voltage arcing. We'll find out on the next
launch. It
may have been a coincidence and was going to fail anyway.

I'm told that the hand warmers also put out moisture. Not desireable. I
believe
a well insulated capsule is the trick.

> John Stone
> K7JPS
>
> -----Original Message-----
> From: paulson58@... [mailto:paulson58@...]
> Sent: Sunday, October 28, 2001 00:03
> To: tvnsp@yahoogroups.com
> Subject: [tvnsp] Sunday OK
>
> Paul-
> Sunday is good for me also. How do the Camcorders get
> brought up to

> altitude? Do they just hang out in the open? I have an idea
> for a
> heat source. Its just a thought, but I have seen Chemical
> hand
> warmers for outdoor activities. It's been a few years, I've
> never
> bought one, but it seems to me they were something like a
> palm sized
> Zippo lighter. You mixed two chemicals and it just gave off
> heat for
> awhile. You put it in your pocket and whenever your hands
> got cold,
> you reach in and hold the warmer. Slow chemical reaction
> just may be
> the way to go. Epoxy puts off heat when polymerizing. But
> then again,
> I don't know if it would bust out of it's containment.
> The sweatshirt souds good to me but only if I can get an
> Extra Large/
> Long. I think the Long are hard to come by.
> Dan
>
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954. Re: [tvnsp] Sunday OK

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-28 16:53:57 UTC
From: Doug Rich
Topic: 950 Message: 954

At 08:52 AM 10/28/01 -0700, Jeff Melanson wrote:

> > K7JPS - John wrote:
> >
> > Sunday's are a good day for me to meet and build capsules, Also Paul,
> > would you put me down for 2 controller boards. Not that I'm going to
> > build both of them up this winter, but I would like to have a "spare".
> >
> > Dan, when you come to our meeting I'm sure that Jeff will have his
> > capsule with him so that you can see the setup. The camcorder is
> > contained in it's own insulated module inside the capsule, with an
> > opening for the lens. I think he is planning to add an opening for
> > the mic to reduce camcorder noise and pick up more external sound. In
> > previous flights we have been able to record the sound of a train
> > whistle and an airplane engine.
>
>I added the opening for the mic. It picks up external sound ok but it
>still hears internal sounds really well. Hmmm?

A remote mike should fix the problem. Good quality electret microphone
elements with 30-15,000Hz response are available from RS 270-092 for 2.99.
It requires 4-10 volts and would be easy to make.

Doug

> >
> > After the viewfinder failure on TV01F we were concerned that the cause
> > may have been cold induced. We discussed the possibility of using
> > hand warmers, but it was brought to our attention that the packs also
> > require oxygen which the manufacturer assumes is in abundant supply
> > for a human user, however this is not the case on balloon flights.
>
>Actually Paul thinks it was the altitude. His theory is that the low
>pressure
>conditions allowed high voltage arcing. We'll find out on the next
>launch. It
>may have been a coincidence and was going to fail anyway.
>
>I'm told that the hand warmers also put out moisture. Not desireable. I
>believe
>a well insulated capsule is the trick.
>
> > John Stone
> > K7JPS
> >
> > -----Original Message-----

> > From: paulson58@... [mailto:paulson58@...]
> > Sent: Sunday, October 28, 2001 00:03
> > To: tvnsp@yahoogroups.com
> > Subject: [tvnsp] Sunday OK
> >
> > Paul-
> > Sunday is good for me also. How do the Camcorders get
> > brought up to
> > altitude? Do they just hang out in the open? I have an idea
> > for a
> > heat source. Its just a thought, but I have seen Chemical
> > hand
> > warmers for outdoor activities. It's been a few years, I've
> > never
> > bought one, but it seems to me they were something like a
> > palm sized
> > Zippo lighter. You mixed two chemicals and it just gave off
> > heat for
> > awhile. You put it in your pocket and whenever your hands
> > got cold,
> > you reach in and hold the warmer. Slow chemical reaction
> > just may be
> > the way to go. Epoxy puts off heat when polymerizing. But
> > then again,
> > I don't know if it would bust out of it's containment.
> > The sweatshirt souds good to me but only if I can get an
> > Extra Large/
> > Long. I think the Long are hard to come by.
> > Dan
> >
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955. Re: [tvnsp] Sunday OK

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-28 20:26:36 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 950 Message: 955

> Sunday is good for me also. How do the Camcorders get brought up to
> altitude?

We fit them into the capsule airframe. They stay reasonbly warm
when compared to outside temps of -60 F.

We've tried heaters before, in fact I think Mark Conner used a
thermochron to test one.

It seems they don't work well at high altitudes. I think we need to
use electric heaters or/and blow warm air into the capsule before
launch. Do we have an politicians in our launch crew?

Paul

956. Camcorder

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-28 20:33:24 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 950 Message: 956

> A remote mike should fix the problem. Good quality electret microphone
> elements with 30-15,000Hz response are available from RS 270-092 for 2.99.
> It requires 4-10 volts and would be easy to make.
>
> Doug

Jeff, does your camcorder have a jack for external mic? I suppose
we'd have to surround the mic in foam rubber to cut the wind
whistle as the capsule makes its plunge from 100,000 feet.

Paul

957. Re: [tvnsp] Camcorder

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-28 20:46:40 UTC
From: Jeff Melanson
Topic: 120 Message: 957

It does not have a remote jack.

verhap@... wrote:
>
> > A remote mike should fix the problem. Good quality electret microphone
> > elements with 30-15,000Hz response are available from RS 270-092 for 2.99.
> > It requires 4-10 volts and would be easy to make.
> >
> > Doug
>
> Jeff, does your camcorder have a jack for external mic? I suppose
> we'd have to surround the mic in foam rubber to cut the wind
> whistle as the capsule makes its plunge from 100,000 feet.
>
> Paul
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

958. (Fwd) Great Flight today!

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-28 20:42:07 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 958 Message: 958
Attachments: 2 described; binary payloads are missing from this source WARC

This email was sent to me from Dr. Murray and the Bozeman Gang. You'll love the high altitude photo I'm attaching. So are we going to let them get away with this? I mean, they made 110,000 feet!!

Dr Murray, isn't this your third flight?

Enjoy
Paul
****
As most of you know, we had a wonderful flight today. It's great having skies clear enough to actually watch the balloon burst with the naked eye at 110,000 feet! The payload landed within sight of a road again, around 85 miles from Big Timber just the other side of Billings. We recovered it near Huntley (about 6 miles east of the I-90/I-94 interchange).

Our last full APRS packet was 109,940 feet, but the balloon continued for several more seconds at 1000 ft/min before we saw the burst, so I think it's safe to assume we broke the 110,000-foot mark. Awesome!

I wish I could say the same for our digital pictures. The camera somehow ended up with a slight tilt upward, and so many of the photos show little or no landscape. But we did get a few to look at. The one included here is near the max altitude. I've also included a ground shot from right before launch.

I promise I'll get stuff up on the website this week! I know, there are still things from the last flight that still need to go there -- I've had a lot of other projects on the plate recently, but this next week is devoted to getting caught up with the website.

Enjoy!
Mike.

959. Breakdown voltage vs. altitude (pressure)

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-28 21:07:53 UTC
From: Ralph Wallio, W0RPK
Topic: 959 Message: 959
Attachments: 1 described; binary payloads are missing from this source WARC

> > After the viewfinder failure on TV01F we were concerned that the cause
> > may have been cold induced. We discussed the possibility of using
> > hand warmers, but it was brought to our attention that the packs also
> > require oxygen which the manufacturer assumes is in abundant supply
> > for a human user, however this is not the case on balloon flights.
>
> Actually Paul thinks it was the altitude. His theory is that the low
> pressure
> conditions allowed high voltage arcing. We'll find out on the next
> launch. It
> may have been a coincidence and was going to fail anyway.

Standard spark-gap breakdown voltage is 75KV/inch at standard temperature and pressure, 25dC and 760mm hg (aka 760 Torr). Breakdown voltage is approximately proportional with pressure and, to a much lesser degree (pun intended), inversely proportional with absolute temperature (dK). Multiplying factors for other temperatures and pressures are available in engineering handbooks such as Reference Data for Engineers: Radio, Electronics, Computer and Communications, (Sams) page 48-4.

As a high altitude balloon payload rises it encounters both lower pressures and lower temperatures. These values are from U.S. Standard Atmosphere, 1976:

20,000ft -24.6dC 349 Torr
44,000ft -56.5dC 117 Torr
60,000ft -56.5dC 54 Torr
80,000ft -51.2dC 18 Torr
100,000ft -46.1dC 8 Torr

Changes in multiplying factors for temperatures are small, on the order of 0.01/10dC, so we can ignore them. The impact of changes in pressure are much more significant and shown in the attached graphic. At 44Kft (approximate maximum altitude of the last TVNSP mission) breakdown voltage dropped from 75KV/inch to 33KV/inch. At 80Kft (approximate altitude of viewfinder failure during previous mission) breakdown voltage dropped to 10KV/inch. At 100Kft breakdown voltage would drop to roughly 5KV/inch.

Perhaps the viewfinder did not fail during the latest flight because maximum altitude (and minimum breakdown voltage) did not approach values from the previous mission.

Perhaps TVNSP could fly an experiment to test these predicted values by varying kilovoltage and detecting breakdown at various altitudes.

It might be interesting to compare pressures encountered by high altitude payloads with those associated with various grades of vacuum:

Vacuum Ranges
Rough (Low) Vacuum 759 to 1 x 10-3 torr (approx)
High Vacuum 1 x 10-3 torr to 1 x 10-8 torr (approx)
Ultra-High Vacuum Less than 1 X 10-8 torr

TNX es 73 de Ralph Wallio, W0RPK
wallio@...
http://users.crosspaths.net/~wallio

960. Video Overlay

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-28 21:24:15 UTC
From: Jeff Melanson
Topic: 960 Message: 960

Paul,

What website is the BOB II circuit found on?

Here is a website that Dan showed me with different video overlay circuits.

http://www.icircuits.com/

Jeff
KD7INN

961. Re: [tvnsp] Video Overlay

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-28 21:06:11 UTC
From: Doug Rich
Topic: 960 Message: 961

At 02:24 PM 10/28/01 -0700, Jeff Melanson wrote:
>Paul,
>
>What website is the BOB II circuit found on?
>
>Here is a website that Dan showed me with different video overlay
>circuits.
>
>http://www.icircuits.com/

I have a Intutive Circuits OSD-232.
Doug

>Jeff
>KD7INN
>
>
>To unsubscribe from this group, send an email to:
>tvnsp-unsubscribe@egroups.com
>
>
>
>Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

962. Re: (Fwd) Great Flight today!

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-29 00:33:55 UTC
From: Harold Riley
Topic: 958 Message: 962

Paul,

What a cool rarified atmosphere picture!
Thanks for sharing that.

I'd like to get the web address for this
Bozeman project and possibly several others
that are needed for an update of the
AMSAT balloon page, as well as for HABLIC.

As for AMSAT website, there are a couple of new
groups that have launched as much as 12 months
ago that are not listed that
I already know about. Two are TVNSP and
Mark Conner. Trouble is, I can't
think of the others right off the top of my head.

So, here's the url that points to the
AMSAT balloon page for anyone to check
to see what's missing:

http://www.amsat.org/amsat/balloons/balloon.htm#other

If you find something missing, other than the
three mentioned above, please email me with the
details. We're primarily looking for groups that
have launched at least one flight in the last
24 months -- that's a loose definition of active.

Hank

AMSAT balloon page maintainer

Do You Yahoo!?
Make a great connection at Yahoo! Personals.
http://personals.yahoo.com

963. Re: [tvnsp] Re: (Fwd) Great Flight today!

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-29 00:41:50 UTC
From: Jeff Melanson
Topic: 958 Message: 963

http://physics.montana.edu/borealis/

Harold Riley wrote:
>
> Paul,
>
> What a cool rarified atmosphere picture!
> Thanks for sharing that.
>
> I'd like to get the web address for this
> Bozeman project and possibly several others
> that are needed for an update of the
> AMSAT balloon page, as well as for HABLIC.
>

Jeff Melanson
KD7INN

964. Re: [tvnsp] Re: (Fwd) Great Flight today!

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-29 00:46:18 UTC
From: Jeff Melanson
Topic: 958 Message: 964

http://users.crosspaths.net/~wallio/

http://www.eoss.org/

http://cosmos.ssol.iastate.edu/HABET/

Harold Riley wrote:
>
> Paul,
>
> What a cool rarified atmosphere picture!
> Thanks for sharing that.
>
> I'd like to get the web address for this
> Bozeman project and possibly several others
> that are needed for an update of the
> AMSAT balloon page, as well as for HABLIC.
>

Jeff Melanson
KD7INN

965. Re: balloon website updates

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-29 01:02:14 UTC
From: Harold Riley
Topic: 958 Message: 965

Jeff,

Thanks for these. I guess I better let you all
know that there were just a few balloon sites at
AMSAT listed in a separate category (such separation
will be eliminated soon). Those are as follows:

Balloon Project of AATiS (Germany) - in German
EOSS - Edge Of Space Sciences
HABET - High Altitude Balloon Experiments in Technology
SimSat - Simulated Satellite

So we do have HABET and EOSS already. As for Ralph's site,
I don'think he's launched an amateur balloon lately, but
in any case he'll be listed somewhere as a resource.

TVNSP listings do get quick results! :)

Hank

--- Jeff Melanson wrote:

> http://users.crosspaths.net/~wallio/
>
> http://www.eoss.org/
>
> http://cosmos.ssol.iastate.edu/HABET/

Do You Yahoo!?
Make a great connection at Yahoo! Personals.
http://personals.yahoo.com

966. Video clips of TVNSP 01G landing

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-29 03:09:48 UTC
From: Mark Conner
Topic: 966 Message: 966

I have posted two video clips showing TVNSP 01G's landing. You can see the parachute shadow just before impact.

Maybe "touchdown" is the preferred term here. My video earlier this year, on the other hand, makes proper use of the term "impact".

14.5 Mb MPEG:
http://www.n9xtn.101main.com/tv01g-landing.mpg

1.5 Mb RealVideo:
http://www.n9xtn.101main.com/tv01g-landing.rm

TVNSP webmaster - feel free to copy these to your own site if you wish.

73 de Mark N9XTN

Mark D. Conner
E-mail: n9xtn@...
Homepage: http://members.home.net/mconner1
"Arrogance and stupidity, all in the same package.....how efficient of you!" - Ambassador Londo Mollari, Babylon 5

967. Re: [tvnsp] Re: (Fwd) Great Flight today!

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-29 05:10:11 UTC
From: John Belz
Topic: 958 Message: 967

Website for the Bozeman project:

www.physics.montana.edu/borealis

- JB

John Belz Tel: 1-406-994-7829
Research Assistant Professor Fax: 1-406-994-4452
Department of Physics email: <belz@...>
Montana State University http://www.physics.montana.edu
Bozeman MT 59717 Office: EPS 216

On Sun, 28 Oct 2001, Harold Riley wrote:

> Paul,
>
> What a cool rarified atmosphere picture!
> Thanks for sharing that.
>
> I'd like to get the web address for this
> Bozeman project and possibly several others
> that are needed for an update of the
> AMSAT balloon page, as well as for HABLIC.
>
> As for AMSAT website, there are a couple of new
> groups that have launched as much as 12 months
> ago that are not listed that
> I already know about. Two are TVNSP and
> Mark Conner. Trouble is, I can't
> think of the others right off the top of my head.
>
> So, here's the url that points to the
> AMSAT balloon page for anyone to check
> to see what's missing:
>
> http://www.amsat.org/amsat/balloons/balloon.htm#other
>
> If you find something missing, other than the
> three mentioned above, please email me with the
> details. We're primarily looking for groups that
> have launched at least one flight in the last
> 24 months -- that's a loose definition of active.
>
> Hank
>

> AMSAT balloon page maintainer
>
>
>
> ---
> Do You Yahoo!?
> Make a great connection at Yahoo! Personals.
> http://personals.yahoo.com
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>

968. Prepare to be humbled

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-29 13:35:56 UTC
From: Ralph Wallio, W0RPK
Topic: 968 Message: 968

To those of us who dream of high altitude balloon borne payloads and missions then design, engineer, fabricate, fly, recover and tell the story in our web pages, prepare to be humbled. Turn off your soldering irons, save your work space, set aside your mystery then read every word and study every graphic at http://members.shaw.ca/sonde/index.htm.

TNX es 73 de Ralph Wallio, W0RPK
wallio@...
http://users.crosspaths.net/~wallio

969. Re: [tvnsp] Prepare to be humbled

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-29 14:47:00 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 968 Message: 969

> To those of us who dream of high altitude balloon borne payloads and
> missions then design, engineer, fabricate, fly, recover and tell the story
> in our web pages, prepare to be humbled. Turn off your soldering irons,
> save your work space, set aside your mystery then read every word and study
> every graphic at http://members.shaw.ca/sonde/index.htm.

Ralph, I'm getting a page not found message.

Paul

970. Re: [tvnsp] Video clips of TVNSP 01G landing

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-29 14:56:04 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 966 Message: 970

> 1.5 Mb RealVideo:
> http://www.n9xtn.101main.com/tv01g-landing.rm

Mark, I can only view the file. When I click on it, I'm not given the option to save it. Can you email the file to me?

Technically, I'd say we still have not recorded an entire flight, since we didn't get over 75,000 feet. With any luck, we'll do that 17 Nov.

Paul

971. Awww, not this heat thing again.

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-29 16:15:05 UTC
From: paulson58@juno.com
Topic: 971 Message: 971

I never thought about the oxygen requirements for the handwarmer. And I guess when you get right down to it, Mixing up a baggy of Epoxy to shove in a capsule for heat prior to launch just doesn't really sound to appealing. Thanks for keeping the new Guy straight on those issues guys. OK, How about Reversible Electromagnetic Thermodynamics? Have any of you tried to see if a Peltier Junction would work? I'm sure it would work effectively at least part way up, and again as it started getting back into the denser air on the way down. It is dependant on heat in the Ambient surroundings. I saved this one for last because it needs a power source and will be a little heavier.It would also have to be built in a capsule wall or floor.
Dan KD7OST

972. Re: [tvnsp] Video clips of TVNSP 01G landing

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-29 16:15:03 UTC
From: Mark Conner
Topic: 966 Message: 972

If you right-click on it, you may get the option to "save target as...", depending on your mail program.

Otherwise, you can go to http://www.n9xtn.101main.com with your browser and do a "save as" that way. This morning I took out the main HTML pages I was testing with so you should see a list of files to download.

This server is actually on one of my home computers, which I've configured to serve up these big movie clips since my ISP has only 10 Mb of space for web pages.

- Mark

----- Original Message -----
From: verhap@...
Date: Monday, October 29, 2001 10:09 am
Subject: Re: [tvnsp] Video clips of TVNSP 01G landing

> > 1.5 Mb RealVideo:
> > http://www.n9xtn.101main.com/tv01g-landing.rm
>
> Mark, I can only view the file. When I click on it, I'm not given
> the
> option to save it. Can you email the file to me?
>
> Technically, I'd say we still have not recorded an entire flight,
> since
> we didn't get over 75,000 feet. With any luck, we'll do that 17 Nov.
>
> Paul
>

973. Dallas Thermochron group buy -- interested?

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-29 16:40:34 UTC
From: Hank Riley
Topic: 889 Message: 973

I think I've found thermochrons *in stock* at
a distributor. I'll know more by this afternoon
eastern time.

Would like to get one or two for myself, plus a few
more to enhance the economics.

I could accept payment by Paypal via your credit card
until I think Nov. 3, at which time the Paypal policy
changes for people (payees) who have the lowest form of
Paypal account, which is what I have presently.

Items of interest are

D51921L-F51 Thermochron button

Blue Dot receptor

Your price depends on how many orders we collect, but
will be comparable to ibutton online pricing, and actually
a little lower. Looking for at least four themochrons
to make this quick buy feasible; more is even better.

I'm moving fast on this because I'd like to have some by
THIS Saturday for a weather club meeting! If this works,
you can have your thermochrons delivered by first class
mail around a week from this Saturday (Nov. 10).

If you want, email me direct, or post to the list as you see
fit, especially if there are questions. If there is
interest, this purchase will be repeated later.

Thank you for being such an active and enthusiastic bunch of
people.

Hank

_____
Do You Yahoo!?
Make a great connection at Yahoo! Personals.
http://personals.yahoo.com

974. Re: [tvnsp] Prepare to be humbled

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-29 16:56:09 UTC
From: Hank Riley
Topic: 968 Message: 974

Ralph,

Tres impressive. Have to get on a faster connection
on a public terminal to be able to get all the photos
a little quicker. Love the heavily wooded terrain and
the water mixed in!

Great country, Canada.

Hank

Do You Yahoo!?
Make a great connection at Yahoo! Personals.
http://personals.yahoo.com

975. Re: Thermochrons

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-29 17:17:17 UTC
From: Hank Riley
Topic: 915 Message: 975

--- Mark Conner <mconner@...> wrote:

> I can use a couple more. Are the ones you list the
> lower-temp version? I think one kind bottoms out at
> -20C and the other at -40C.

Even though the ibutton website lists the lower
temp one as well as the first one produced,
the person I spoke to last week at ibutton says
the lower one is not in production (shucks), and
there is a delay in even getting the upper one of
"4 to 6 weeks." You folks have already experienced
that.

I hope she knew what she was talking about.
She shared with me a bit of the inside story
on what's going on as far as thermochron
fabrication and delivery expectations.

She contends the lower temp. unit won't be
around until 2002 at the earliest. I guess
it's been a difficult goal to achieve.

I'll put the group buy request on KNSP in
a minute.

Hank

Hank

Do You Yahoo!?
Make a great connection at Yahoo! Personals.
http://personals.yahoo.com

976. Re: [tvnsp] Re: Thermochrons

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-29 17:24:05 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 915 Message: 976

> I hope she knew what she was talking about.
> She shared with me a bit of the inside story
> on what's going on as far as thermochron
> fabrication and delivery expectations.

So what's going on? I ordered several in August.

Paul

977. Next Flight / Winter Meetings

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-29 19:40:14 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 977 Message: 977

I need to replace four shroud lines on the parachute before we can launch. Unfortunately, I'm out of 150 lb test spectra. Jeff, is you kite string 150 lb? If so, can I use about 50 feet of it?

There's a meeting this Sunday at Idaho Pizza. Bring your balloon stuff for a show and tell (isn't that what teachers are good at?). We'll get the new crews up to speed before cracking the whip at the next launch. What time do you want to hold the meeting? How about 5:00PM?

The first winter meeting will be held in November. Is anyone interested in making the next meeting (4 Nov) the first winter meeting? If so, I'd like to hold the meetings every 1st and 3rd Sunday of the month.

We're allowed to bring food to HobbyTown, as long as we clean up after ourselves. So do we want to hold this Sunday's meeting at HobbyTown, instead?

One thing I'd like to test is the breaking strength of foam with and without plywood.

Mike, can you email me the helium video you took?

The parachute tests were so sucessful and fun, that I'd like to do them again. This though, I'd like to carry telemetry capsules. The GPS data will give more accurate results. I prelimenary look over does not show a linear relationship. But it may not be far off. I could use more data.

Paul

978. Re: [tvnsp] Next Flight / Winter Meetings

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-29 20:11:14 UTC
From: Doug Rich
Topic: 977 Message: 978

At 12:40 PM 10/29/01 -0700, verhap@... wrote:
>I need to replace four shroud lines on the parachute before we can
>launch. Unfortunately, I'm out of 150 lb test spectra. Jeff, is you
>kite string 150 lb? If so, can I use about 50 feet of it?
>
>There's a meeting this Sunday at Idaho Pizza. Bring your balloon
>stuff for a show and tell (isn't that what teachers are good at?).
>We'll get the new crews up to speed before cracking the whip at
>the next launch. What time do you want to hold the meeting?
>How about 5:00PM?
>
>The first winter meeting will be held in November. Is anyone
>interested in making the next meeting (4 Nov) the first winter
>meeting? If so, I'd like to hold the meetings every 1st and 3rd
>Sunday of the month.
>
>We're allowed to bring food to HobbyTown, as long as we clean up
>after ourselves. So do we want to hold this Sunday's meeting at
>HobbyTown, instead?
>
>One thing I'd like to test is the breaking strength of foam with and
>without plywood.
>
>Mike, can you email me the helium video you took?

The video is on the tvnsp web site
Doug

>The parachute tests were so sucessful and fun, that I'd like to do
>them again. This though, I'd like to carry telemetry capsules. The
>GPS data will give more accurate results. I prelimenary look over
>does not show a linear relationship. But it may not be far off. I
>could use more data.
>
>Paul
>
>
>To unsubscribe from this group, send an email to:
>tvnsp-unsubscribe@egroups.com
>
>
>
>Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

979. Re: [tvnsp] Next Flight / Winter Meetings

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-29 20:33:48 UTC
From: Jeff Melanson
Topic: 977 Message: 979

verhap@... wrote:
>
> I need to replace four shroud lines on the parachute before we can
> launch. Unfortunately, I'm out of 150 lb test spectra. Jeff, is you
> kite string 150 lb? If so, can I use about 50 feet of it?
>

Yes it is and yes you can.

Jeff Melanson
KD7INN

980. Re: [tvnsp] Next Flight / Winter Meetings

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-29 21:13:38 UTC
From: Jeff Melanson
Topic: 977 Message: 980

verhap@... wrote:
>
> There's a meeting this Sunday at Idaho Pizza. Bring your balloon
> stuff for a show and tell (isn't that what teachers are good at?).
> We'll get the new crews up to speed before cracking the whip at
> the next launch. What time do you want to hold the meeting?
> How about 5:00PM?
>
Perhaps earlier is better. We may need more time for this meeting.
These classes may need plenty of time. Would 2:00 PM be better?
>
> The first winter meeting will be held in November. Is anyone
> interested in making the next meeting (4 Nov) the first winter
> meeting? If so, I'd like to hold the meetings every 1st and 3rd
> Sunday of the month.

Jeff
KD7INN

981. [tvnsp] Re: Thermochrons

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-29 21:22:41 UTC
From: Hank Riley
Topic: 915 Message: 981

--- verhap@... wrote:

> > I hope she knew what she was talking about.
> > She shared with me a bit of the inside story
> > on what's going on as far as thermochron
> > fabrication and delivery expectations.
>
> So what's going on? I ordered several in August.
>
> Paul

There may be a lot going on within Dallas and its new
owner, Maxim. However, the story given to me was that
production was being/has been moved to the Phillipines.

This may be just thermochrons or it could be
everything from Dallas -- I don't know.

To continue, the story is that the low temp unit will not
be manufactured until several months into 2002, and that
sounded like it might be a dream (there could have been several
missed deadlines already).

Also, sales of thermochrons at online ibutton website are
delayed "4 to 6 weeks." That may be optimistic, i.e., it
may be more like 8 to 12 weeks (n1ltv opinion). She said
"we're not getting product as fast as we'd like."

Now, it turns out the distributor is expecting product this
week from Dallas, but again the distributor spokeswoman (lady #2)
says "who knows what will happen with Dallas?"

So it seems like Dallas may have a reputation for vaporware.

Paul, would you like at least one from the group buy if I
can confirm delivery later this week? Might be a good idea.

Welcome to the world of semiconductor purchasing, especially
in quantities under 100,000 units per year. :)

Hank

Do You Yahoo!?
Make a great connection at Yahoo! Personals.
http://personals.yahoo.com

982. Re: [tvnsp] Next Flight / Winter Meetings

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-29 21:50:15 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 977 Message: 982

> > I need to replace four shroud lines on the parachute before we can
> > launch. Unfortunately, I'm out of 150 lb test spectra. Jeff, is you
> > kite string 150 lb? If so, can I use about 50 feet of it?
> >
>
> Yes it is and yes you can.

Thanks.
How do I go about getting the line?

Paul

983. Re: Prepare to be humbled

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-29 22:00:45 UTC
From: Hank Riley
Topic: 968 Message: 983

The breadth and depth of interdisciplinary expertise that
this site brims with is truly breathtaking. The prose is
flawless and expressive.

I'm proud to note that a critical Massachusetts product
was used in the load testing of the glider wings.
Ocean Spray cranberry juice bottles are clearly visible
in one picture. :)

The Ocean Spray world headquarters is about 12 miles
from here, and some of the cranberry bogs supplying
Ocean Spray and other processors and vendors are even closer.

Just one more contribution of the Bay State to aerospace
innovation.

Hank (swamp Yankee)

Do You Yahoo!?
Make a great connection at Yahoo! Personals.
http://personals.yahoo.com

984. Re: [tvnsp] Next Flight / Winter Meetings

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-29 21:59:20 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 977 Message: 984

> Perhaps earlier is better. We may need more time for this meeting.
> These classes may need plenty of time. Would 2:00 PM be better?

Oops, I just remembered, HobbyTown closes at 5:00 PM on
Sundays. They open at 11:00 AM. So we should plan to meet
earlier still and have lunch.

Paul

985. Re: [tvnsp] Re: Thermochrons

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-29 22:00:50 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 915 Message: 985

> Paul, would you like at least one from the group buy if I
> can confirm delivery later this week? Might be a good idea.

Sure, put me down for two.
(as I dig into my pockets to look at the change and lint).

Paul

986. MPEG

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-29 22:35:24 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 986 Message: 986

Doug, can you move a copy of the mpeg to the images directory?
I'll set up a link in the TVNSP webpages. Let's call the mpeg,
helium.mpg.

Paul

987. Re: [tvnsp] Next Flight / Winter Meetings

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-29 22:41:50 UTC
From: John Knapp
Topic: 977 Message: 987

Unfortunately, I will not be able to make Sunday
meetings.

John Knapp
KD7HGS
--- verhap@... wrote:
> > Perhaps earlier is better. We may need more time
> for this meeting.
> > These classes may need plenty of time. Would 2:00
> PM be better?
>
> Oops, I just remembered, HobbyTown closes at 5:00 PM
> on
> Sundays. They open at 11:00 AM. So we should plan
> to meet
> earlier still and have lunch.
>
> Paul
>

_____
Do You Yahoo!?
Make a great connection at Yahoo! Personals.
http://personals.yahoo.com

988. Re: [tvnsp] MPEG

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-29 23:28:43 UTC
From: Doug Rich
Topic: 986 Message: 988

It is already done. Look at the bottom of the home page.

At 03:35 PM 10/29/01 -0700, you wrote:
>Doug, can you move a copy of the mpeg to the images directory?
>I'll set up a link in the TVNSP webpages. Let's call the mpeg,
>helium.mpg.
>
>Paul
>
>
>To unsubscribe from this group, send an email to:
>tvnsp-unsubscribe@egroups.com
>
>
>
>Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

989. Helium Experiment

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-29 23:50:05 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 989 Message: 989

Check out the bottom link of www.the-one.com/tvnsp for an example of what not to do with helium.

Paul

990. Weatherwise arrived in mail today

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-30 03:43:37 UTC
From: Mark Conner
Topic: 990 Message: 990

Got my issue today, though I didn't realize it until a few minutes ago.
Looks like a nice article, and lots of pictures. I think Kimbra drew a nice
balance between technical details and the "spirit of adventure" aspect.

- Mark

Mark D. Conner
E-mail: n9xtn@...
Homepage: http://members.home.net/mconner1
"Arrogance and stupidity, all in the same package.....how efficient
of you!" - Ambassador Londo Mollari, Babylon 5

991. Lanyard length

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-30 04:40:59 UTC
From: paulson58@juno.com
Topic: 991 Message: 991

Can someone tell me why the length of the Lanyard between the Balloon and the Parachute is the length it is? In watching the video's, it would seem to me that swing and spin could possibly be less if its shorter.
Dan KD7OST

992. Re: [tvnsp] Next Flight / Winter Meetings

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-30 08:56:59 UTC
From: Jeff Melanson
Topic: 977 Message: 992

Paul,

How soon do you need it? Is this Sunday soon enough? I'll bring it to
the meeting. If you need it sooner let me know.

Jeff

verhap@... wrote:
>
> > > I need to replace four shroud lines on the parachute before we can
> > > launch. Unfortunately, I'm out of 150 lb test spectra. Jeff, is you
> > > kite string 150 lb? If so, can I use about 50 feet of it?
> > >
> >
> > Yes it is and yes you can.
>
> Thanks.
> How do I go about getting the line?
>
> Paul
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

993. Re: [tvnsp] Lanyard length

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-30 09:07:05 UTC
From: Jeff Melanson
Topic: 991 Message: 993

Dan,

If your referring to the TVO1F video I gave you the swing and spin is very low compared with other flights. Especially when compared with groups who use a single longer line between capsules. We use four lines that are about 12 to 18 inches long. The line between the parachute and the balloon is close to 30 ft long. I tend to think of it like a pendulum. A shorter line would swing faster. Has anyone else tried different lengths?

Jeff Melanson
KD7INN

paulson58@... wrote:
>
> Can someone tell me why the length of the Lanyard between the Balloon
> and the Parachute is the length it is? In watching the video's, it
> would seem to me that swing and spin could possibly be less if its
> shorter.
> Dan KD7OST
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

994. Re: [tvnsp] Re: (Fwd) Great Flight today!

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-30 10:58:04 UTC
From: Jeff Melanson
Topic: 958 Message: 994

Here's another...

http://www.usafa.af.mil/dfas/Research/FalconGold/falcongold.html

Jeff Melanson
KD7INN

Harold Riley wrote:

> I'd like to get the web address for this
> Bozeman project and possibly several others
> that are needed for an update of the
> AMSAT balloon page, as well as for HABLIC.
>
> As for AMSAT website, there are a couple of new
> groups that have launched as much as 12 months
> ago that are not listed that
> I already know about. Two are TVNSP and
> Mark Conner. Trouble is, I can't
> think of the others right off the top of my head.
>
> So, here's the url that points to the
> AMSAT balloon page for anyone to check
> to see what's missing:
>
> http://www.amsat.org/amsat/balloons/balloon.htm#other
>
> If you find something missing, other than the
> three mentioned above, please email me with the
> details. We're primarily looking for groups that
> have launched at least one flight in the last
> 24 months -- that's a loose definition of active.
>
> Hank
>
> AMSAT balloon page maintainer
>
> _____
> Do You Yahoo!?
> Make a great connection at Yahoo! Personals.
> http://personals.yahoo.com
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>

>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

995. Re: [tvnsp] Lanyard length

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-30 14:24:40 UTC
From: Mark Conner
Topic: 991 Message: 995

I had a shorter load line (about 10-15 ft) from balloon to top of parachute
for one of my flights. It fouled in the parachute's shroud lines. The
longer ones tend to stay out of the way.

73 de Mark N9XTN

----- Original Message -----
From: "Jeff Melanson" <kd7inn@...>
To: <tvnsp@yahoogroups.com>
Sent: Tuesday, October 30, 2001 03:07
Subject: Re: [tvnsp] Lanyard length

> Dan,
>
> If your referring to the TVO1F video I gave you the swing and spin is
> very low compared with other flights. Especially when compared with
> groups who use a single longer line between capsules. We use four lines
> that are about 12 to 18 inches long. The line between the parachute and
> the balloon is close to 30 ft long. I tend to think of it like a
> pendulum. A shorter line would swing faster. Has anyone else tried
> different lengths?
>
> Jeff Melanson
> KD7INN
>
>
> paulson58@... wrote:
> >
> > Can someone tell me why the length of the Lanyard between the Balloon
> > and the Parachute is the length it is? In watching the video's, it
> > would seem to me that swing and spin could possibly be less if its
> > shorter.
> > Dan KD7OST
> >

996. Re: [tvnsp] Weatherwise arrived in mail today

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-30 15:02:25 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 990 Message: 996

Did we make the cover?
Paul

> Got my issue today, though I didn't realize it until a few minutes ago.
> Looks like a nice article, and lots of pictures. I think Kimbra drew a nice
> balance between technical details and the "spirit of adventure" aspect.
>
> - Mark
>
> ------
> Mark D. Conner
> E-mail: n9xtn@...
> Homepage: http://members.home.net/mconner1
> "Arrogance and stupidity, all in the same package.....how efficient
> of you!" - Ambassador Londo Mollari, Babylon 5
>
>
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>

997. Re: [tvnsp] Lanyard length

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-30 15:03:33 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 991 Message: 997

The lanyards have to reach the balloon neck and back down again.
We also have to allow for lanyard handlers not being right beneath
the balloon.

Paul

> Can someone tell me why the length of the Lanyard between the Balloon
> and the Parachute is the length it is? In watching the video's, it
> would seem to me that swing and spin could possibly be less if its
> shorter.

998. Re: [tvnsp] Next Flight / Winter Meetings

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-30 15:04:39 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 977 Message: 998

> How soon do you need it? Is this Sunday soon enough? I'll bring it to
> the meeting. If you need it sooner let me know.

Let's fix the parachute at Sunday's meeting.

Paul

999. Re: [tvnsp] Lanyard length

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-30 15:17:20 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 991 Message: 999

Okay, we need to explain the lines in a stack.
There's a load line between the balloon and 'chute. That needs to
be long enough to prevent the burst balloon from fouling the 'chute.
There's four link lines connecting the capsules. Those need to be
long enough to keep the capsules from slapping each other on
descent. Finally there's lanyards used to raise the stack.

Paul

> I had a shorter load line (about 10-15 ft) from balloon to top of parachute
> for one of my flights. It fouled in the parachute's shroud lines. The
> longer ones tend to stay out of the way.

1000. Re: [tvnsp] Weatherwise arrived in mail today

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-30 16:08:59 UTC
From: Mark Conner
Topic: 990 Message: 1000

No - we're headlined at the top of the cover, but no balloon picture on the cover. Total article length is 10 pages, which out of 66 for the issue is pretty good.

- Mark

----- Original Message -----
From: verhap@...
Date: Tuesday, October 30, 2001 3:56 pm
Subject: Re: [tvnsp] Weatherwise arrived in mail today

> Did we make the cover?
> Paul
>
> > Got my issue today, though I didn't realize it until a few
> minutes ago.
> > Looks like a nice article, and lots of pictures. I think Kimbra
> drew a nice
> > balance between technical details and the "spirit of adventure"
> aspect.>
> > - Mark
> >

1001. Re: Awww, not this heat thing again.

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-30 18:34:32 UTC
From: zclobes@swbell.net
Topic: 971 Message: 1001

It's been quite a few years since I played with the peltier junctions, but from my experience, I don't think they'd be very practical for high-altitude balloons.

Keep in mind that my experience was several years back, but I doubt they've changed that much:
1. They only develop about 10 degree C across the two sides. For an OAT of -50, that would make an inside air temp of -40.
2. They take a lot of power. Mine took about 12VDC and drew better than 1 amp of current. That'd take a big battery to power one unit.

Just some thoughts....
Zack Clobes, W0ZC
Project: Traveler
www.rckara.org

--- In tvnsp@y..., paulson58@j... wrote:
> I never thought about the oxygen requirements for the handwarmer. And
> I guess when you get right down to it, Mixing up a baggy of Epoxy to
> shove in a capsule for heat prior to launch just doesn't really sound
> to appealing. Thanks for keeping the new Guy straight on those issues
> guys. OK, How about Reversible Electromagnetic Thermodynamics? Have
> any of you tried to see if a Peltier Junction would work? I'm sure it
> would work effectively at least part way up, and again as it started
> getting back into the denser air on the way down. It is dependant on
> heat in the Ambient surroundings. I saved this one for last because
> it needs a power source and will be a little heavier.It would also
> have to be built in a capsule wall or floor.
> Dan KD7OST

1002. Heat

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-30 19:07:24 UTC
From: paulson58@juno.com
Topic: 1002 Message: 1002

Zack-
Hey thanks for the interest there. Yunno, the peltier junctions of today will difference the heat from one side to the other by 45 to 50 degrees. They still are pretty power hungry. I guess what I'm looking at is maybe keeping the capsule from hitting extremes when your experiment may call for more warmth. I realize it's not usually needed. I have no interest in send Mammals aloft(at least none I'd admit to). But figured between good insulation, and maybe enough power just for a couple of warmth shots at the right time you could keep something a little warmer if and when you need it.
Dan KD7OST

1003. Re: [tvnsp] Heat

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-30 19:13:58 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1002 Message: 1003

I'm thinking about shooting warm air into the capsule before launch. Anything requiring extra warm could be wrapped further in insulation. If need be, we could wrap the most sensitive devices in an electric blanket.

Paul

1004. Heaters

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-30 22:26:12 UTC
From: Mark Conner
Topic: 1004 Message: 1004

Electronics Goldmine has several heating elements originally made for NASA. They're resistive-type elements, but thin and flexible. I may get one on my next order to see how much heat they put out and how much current they draw.

73 de Mark N9XTN

1005. Re: [tvnsp] Heaters

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-30 22:25:56 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1004 Message: 1005

> Electronics Goldmine has several heating elements originally made for
> NASA. They're resistive-type elements, but thin and flexible. I may
> get one on my next order to see how much heat they put out and how much
> current they draw.

I was looking at the same thing. In fact I was thinking of placing an order this week. I may try them out myself (what with being a rich teacher).

Paul

1006. Re: [tvnsp] Heaters

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-31 00:11:24 UTC
From: Stephanie Steele
Topic: 1004 Message: 1006

Can you post the url for Electronics Goldmine please?

--
Stephanie

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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https://www.paypal.com/refer/pal=kc7dba%40arrl.net

1007. Re: [tvnsp] Heaters

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-31 00:41:03 UTC
From: Mark Conner
Topic: 1004 Message: 1007

The main site is http://www.goldmine-elec.com . At the bottom of page 50 in the catalog are the heaters:
http://www.goldmine-elec.com/images/Pages046-050.pdf

- Mark

----- Original Message -----
From: "Stephanie Steele" <kc7dba@...>
To: <tvnsp@yahoogroups.com>
Sent: Tuesday, October 30, 2001 18:11
Subject: Re: [tvnsp] Heaters

> Can you post the url for Electronics Goldmine please?
>
>
> --
> Stephanie

1008. Re: [tvnsp] Re: Awww, not this heat thing again.

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-31 04:37:22 UTC
From: Bill Herrmann
Topic: 971 Message: 1008

>1. They only develop about 10 degree C across the two sides. For an
>OAT of -50, that would make an inside air temp of -40.

They do better than that now, but since it's easy to generate heat with
resistance it would seem a better way to go.

Bill

1009. Poster

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-31 19:49:07 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1009 Message: 1009

I'm working on a flyer to be put up around town as we work on
capsules. Please review the text and make any suggestions. The
top of the flyer will have a color photo of the horizon at 83,000 feet.
I'd like to put copies up at hobby shops, Scientific Wizardry, and
the Discovery Center.

Paul
++++++++++++++++++++++++++
Treasure Valley Near Space Program
(TVNSP)

Interested in exploring a space-like environment? Can't afford
$10,000 a pound to launch your own satellite or to wait for years for
its launch? If this applies to you and you have an interest in
science, mathematics, and engineering, then consider being a part
of Team TVNSP.

Several times a year TVNSP launches high altitude weather
balloons carrying functional models of satellites. These "near
space capsules" perform programmed operations in an environment
much closer to space than to that of the surface of the earth.
Flights to altitudes above 80,000 feet cost $10 a pound of payload
weight and missions reaching altitudes in excess of 100,000 feet
are possible. After recovery capsules are quickly and easily
reconfigured for their next mission. Best of all, missions typically
finish in less than half a day.

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Meteorology GPS Navigation
Cosmic Rays Microcontrollers
Remote Sensing Thermal Controls
Astronomy Telemetry
Biology Recovery Systems

Team TVNSP meets every other Sunday (twice a month) at the
Boise HobbyTown, located at the corner of Cole and Ustick. Visit
with Team TVNSP and learn how to become involved with near
space launches, tracking, experiments, or even building your own
near space capsule. There are no fees to be a part of Team
TVNSP, only an interest in amateur near space exploration.

Information is available at the TVNSP website: www.the-
one.com/tvnsp
Or the TVNSP email list: tvnsp@egroups.com

1010. Re: [tvnsp] Poster

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-31 20:42:45 UTC
From: John Knapp
Topic: 1009 Message: 1010

Sounds good ut you need to put the time in the flyer.

JohnK
--- verhap@... wrote:
> I'm working on a flyer to be put up around town as
> we work on
> capsules. Please review the text and make any
> suggestions. The
> top of the flyer will have a color photo of the
> horizon at 83,000 feet.
> I'd like to put copies up at hobby shops, Scientific
> Wizardry, and
> the Discovery Center.
>
> Paul
> ++++++++++++++++++++++++++++
> Treasure Valley Near Space Program
> (TVNSP)
>
> Interested in exploring a space-like environment?
> Can't afford
> $10,000 a pound to launch your own satellite or to
> wait for years for
> its launch? If this applies to you and you have an
> interest in
> science, mathematics, and engineering, then consider
> being a part
> of Team TVNSP.
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> Several times a year TVNSP launches high altitude
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> balloons carrying functional models of satellites.
> These "near
> space capsules" perform programmed operations in an
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> much closer to space than to that of the surface of
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> Flights to altitudes above 80,000 feet cost $10 a
> pound of payload
> weight and missions reaching altitudes in excess of
> 100,000 feet
> are possible. After recovery capsules are quickly
> and easily
> reconfigured for their next mission. Best of all,
> missions typically

> finish in less than half a day.
>
> Near Space Sciences Near Space Engineering
> Meteorology GPS Navigation
> Cosmic Rays Microcontrollers
> Remote Sensing Thermal Controls
> Astronomy Telemetry
> Biology Recovery Systems
>
> Team TVNSP meets every other Sunday (twice a month)
> at the
> Boise HobbyTown, located at the corner of Cole and
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> with Team TVNSP and learn how to become involved
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> building your own
> near space capsule. There are no fees to be a part
> of Team
> TVNSP, only an interest in amateur near space
> exploration.
>
> Information is available at the TVNSP website:
> www.the-
> one.com/tvnsp
> Or the TVNSP email list: tvnsp@egroups.com
>
>

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1011. RE: [tvnsp] Poster

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-31 20:56:47 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 1009 Message: 1011

I wonder if it might not be worthwhile also contacting schools and offering their science teachers a poster or two? At the risk of dating myself, when I was in high school, there were science and astronomy clubs, among others. These could be excellent sources of sla... uh, um ... chea... eh, er, yeah... enthusiastic labor and help.

As to the poster itself, I think it looks good. I wonder if some mention of photographic or video, even remote video monitoring, opportunities might also be worth including?

Bill B.

> -----Original Message-----
>
> I'm working on a flyer to be put up around town as we work on
> capsules. Please review the text and make any suggestions. The
> top of the flyer will have a color photo of the horizon at
> 83,000 feet.
> I'd like to put copies up at hobby shops, Scientific Wizardry, and
> the Discovery Center.
>
> Paul
> ++++++++++++++++++++++++++++
> Treasure Valley Near Space Program
> (TVNSP)

1012. RE: [tvnsp] MPEG

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-31 21:19:34 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 986 Message: 1012

Clicking on the link "Pauls Helium Trip" results in a "file not found" error message. You might want to fix that by putting in "%20" in the link instead of the spaces (without the " of course). However, I can get to it if I cut the URL to ~tvnsp/images and select from the list then provided.

Bill B.

-----Original Message-----
From: Doug Rich [mailto:doug@...]
Sent: Monday, October 29, 2001 4:29 PM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] MPEG

It is already done. Look at the bottom of the home page.

At 03:35 PM 10/29/01 -0700, you wrote:

Doug, can you move a copy of the mpeg to the images directory?
I'll set up a link in the TVNSP webpages. Let's call the mpeg,
helium.mpg.

Paul

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1013. 6 Meter RC range check

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-31 21:46:28 UTC
From: paulson58@juno.com
Topic: 1013 Message: 1013

Paul or Jeff-
Whats the chance of me getting a 50MHz RC reciever, a micro servo, and a 6vdc battery pack on one of your capsules in the Nov launch. As per our previous discussion, I need to see what kind of range we can expect once we start testing the re-usable re-entry vehicle. I should have the "tug" ready to go inside of two weeks.
Dan KD7OST

1014. Re: [tvnsp] 6 Meter RC range check

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-31 23:11:54 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1013 Message: 1014

> Whats the chance of me getting a 50MHz RC reciever, a micro servo,
> and a 6vdc battery pack on one of your capsules in the Nov launch. As
> per our previous discussion, I need to see what kind of range we can
> expect once we start testing the re-usable re-entry vehicle. I should
> have the "tug" ready to go inside of two weeks.

I mentioned an idea to Jeff. We should mount the servo to a boom
mounted in front of the camcorder. Every so often (say 10,000
feet), you run the servos. The camcorder will verify that they work.

I'd like to run a test with a tethered balloon this autumn/winter.
Just the same way we did the parachute test. By the way, I won't
to run another parachute test. That was a lot of fun.

It looks like we'll have to change the name of the helium file. I
suppose we can call it helium.mpg. I need to update the
webpages again. Doug, when would be a good time for you?

Paul

1015. Thanks

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-10-31 23:58:54 UTC
From: paulson58@juno.com
Topic: 1015 Message: 1015

Paul-
Sounds good to me. I can put together a boom. I just need some Specs on how to make the mount so it's compatible. I guess we should perform a little trial work to see if I can get the servo along the edge of the viewfinder. I'll likely have to test a little more often than 10,000 feet. The manufacturer of the Radio says they come stock with 100mw power and should be good for a mile. Didn't someone say they had a 6 meter mobile antenna? Does anyone have a 6 meter mobile directional antenna. That's where I hope to pick up considerable range. I can check your guys capsules this Sunday at the meeting. Was it decided on for 2 pm?
Dan
KD7OST

1016. Re: [tvnsp] Thanks

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-01 00:04:03 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1015 Message: 1016

> Sounds good to me. I can put together a boom. I just need some Specs
> on how to make the mount so it's compatible. I guess we should
> perform a little trial work to see if I can get the servo along the
> edge of the viewfinder. I'll likely have to test a little more often
> than 10,000 feet. The manufacturer of the Radio says they come stock
> with 100mw power and should be good for a mile. Didn't someone say
> they had a 6 meter mobile antenna? Does anyone have a 6 meter mobile
> directional antenna. That's where I hope to pick up considerable
> range. I can check your guys capsules this Sunday at the meeting. Was
> it decided on for 2 pm?

Jeff, let's plan on working with the camcorder this Sunday. Who had the 6m beam? We need to arrange to get Dan info on balloon altitude during this flight. I can program a message into the capsule to remind us when to run the test. Dan, at what altitudes do you want to run the test? Also, do you want to be stationary or mobile?

So many questions, I wish I had that many answers.

Paul

1017. Re: Thanks

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-01 02:14:00 UTC
From: paulson58@juno.com
Topic: 1015 Message: 1017

> Jeff, let's plan on working with the camcorder this Sunday. Who
> had the 6m beam? We need to arrange to get Dan info on balloon
> altitude during this flight. I can program a message into the
> capsule to remind us when to run the test. Dan, at what altitudes
> do you want to run the test? Also, do you want to be stationary or
> mobile?

> So many questions, I wish I had that many answers.

> Paul

I'm not sure at what altitudes. Being this is a first launch for me, I'll be looking to you experienced folks for some advice. It will also depend on the type of Transmit antenna I end up with. What is the typical rate of ascent on a typical mission? I may just sit on the ground and work a Gimbal for 10 to 15 minutes. The mile they rate them at has more to do with keeping things in visual range I believe. RC fields are required by their governing body, The "Accademy of Model Aeronautics", to be at least three miles apart to prevent from "hitting" someone elses aircraft if your operating on the same channel. They have a frequency coordination plan and have used spectrum Analyzers to make sure of safety. However, the 50 MHz equipment that Hams can buy can put out up to 1 watt. This is 10 times the standard 72MHz that most modellers use. Every time I talk to a different Manufacturer staff member, I get a different story. Some have told me they come stock with higher power levels. Some have told me I'm not allowed to transmitt 1 watt because the FCC regulates this equipment to lower levels. (6 meter is OK up to 1 watt. CFR 97.125 (c)). Hence, I have no clue. The only facts will be known after the launch.
I think it would be best for me to be stationary. That's the typical means of use we plan on. My big concern for testing is to make sure we can get a couple of real solid miles of control for launch testing of the glider for descent tests. How about that meeting time this Sunday. Did that get nailed down yet? Thank you Paul

Dan KD7OST

1018. RE: [tvnsp] Next Flight / Winter Meetings

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-01 04:38:04 UTC
From: K7JPS - John
Topic: 977 Message: 1018

Unfortunately I will not be able to make the meeting this Sunday. It is the
big "M" day for me as I change my QTH.

John Stone
K7JPS
-----Original Message-----
From: verhap@... [mailto:verhap@...]
Sent: Monday, October 29, 2001 14:59
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] Next Flight / Winter Meetings

> Perhaps earlier is better. We may need more time for this meeting.
> These classes may need plenty of time. Would 2:00 PM be better?

Oops, I just remembered, HobbyTown closes at 5:00 PM on
Sundays. They open at 11:00 AM. So we should plan to meet
earlier still and have lunch.

Paul

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1019. RE: [tvnsp] MPEG

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-01 05:37:52 UTC
From: Doug Rich
Topic: 986 Message: 1019

I have removed all spaces and capital letters. We must have different
bowsers as mine did not have a problem with it the way it was.
Doug

At 04:19 PM 10/31/01 -0500, BLOHM,BILL (HP-Boise,ex1) wrote:
>Clicking on the link "Pauls Helium Trip" results in a "file not found"
>error message. You might want to fix that by putting in "%20" in the link
>instead of the spaces (without the " of course). However, I can get to it
>if I cut the URL to ~tvnsp/images and select from the list then provided.
>
>Bill B.
>-----Original Message-----
>From: Doug Rich [mailto:doug@...]
>Sent: Monday, October 29, 2001 4:29 PM
>To: tvnsp@yahoogroups.com
>Subject: Re: [tvnsp] MPEG
>
>It is already done. Look at the bottom of the home page.
>
>At 03:35 PM 10/29/01 -0700, you wrote:
>>Doug, can you move a copy of the mpeg to the images directory?
>>I'll set up a link in the TVNSP webpages. Let's call the mpeg,
>>helium.mpg.
>>
>>Paul
>>
>>
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1020. Re: [tvnsp] Re: Thanks

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-01 08:32:35 UTC
From: Jeff melanson
Topic: 1015 Message: 1020

Paul and Dan,

Time out for just a minute, lets think this through. 1) My capsule is at maximum weight already (slightly over). 2) This will be the first full length video from launch to landing in near space. We already have one experiment going in front (side) of the lens. We might not want to block the view to much. 3) Dan, since this is your first launch and the last one of the season I would like to see you do launch and chase so you can see what it's all about.
Here's what I recommend. Paul, your controller can monitor a single output from the receiver. It would be one of the servo channels which is just a series of pulses. It can report the gain or loss of a signal and at what altitude it occurred. Since the signal is always present when in range no one would have to operate the sticks on the transmitter. The transmitter can be left at a designated location turned on. You would not have to worry about what altitude to wiggle a servo. With this method a servo and boom are not required, only a receiver and battery. Dan can still participate in the chase.

Jeff Melanson
KD7INN

paulson58@... wrote:
>
> > Jeff, let's plan on working with the camcorder this Sunday. Who
> > had the 6m beam? We need to arrange to get Dan info on balloon
> > altitude during this flight. I can program a message into the
> > capsule to remind us when to run the test. Dan, at what altitudes
> > do you want to run the test? Also, do you want to be stationary or
> > mobile?
>
> > So many questions, I wish I had that many answers.
>
> > Paul
>
> I'm not sure at what altitudes. Being this is a first launch for me,
> I'll be looking to you experienced folks for some advice. It will
> also depend on the type of Transmit antenna I end up with. What is
> the typical rate of ascent on a typical mission? I may just sit on
> the ground and work a Gimbal for 10 to 15 minutes. The mile they rate
> them at has more to do with keeping things in visual range I believe.
> RC fields are required by their governing body, The "Accademy of
> Model Aeronautics", to be at least three miles apart to prevent from
> "hitting" someone elses aircraft if your operating on the same
> channel. They have a frequency coordination plan and have used
> spectrum Analyzers to make sure of safety. However, the 50 MHz

> equipment that Hams can buy can put out up to 1 watt. This is 10
> times the standard 72MHz that most modellers use. Every time I talk
> to a different Manufacturer staff member, I get a different story.
> Some have told me they come stock with higher power levels. Some have
> told me I'm not allowed to transmitt 1 watt because the FCC regulates
> this equipment to lower levels. (6 meter is OK up to 1 watt. CFR
> 97.125 (c)). Hence, I have no clue. The only facts will be known
> after the launch.
> I think it would be best for me to be stationary. That's the typical
> means of use we plan on. My big concern for testing is to make sure
> we can get a couple of real solid miles of control for launch testing
> of the glider for descent tests. How about that meeting time this
> Sunday. Did that get nailed down yet? Thank you Paul
>
> Dan KD7OST
>
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1021. Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-01 09:40:13 UTC
From: Jeff melanson
Topic: 23 Message: 1021

Paul,

Are we meeting at Hobbytown? You mentioned they closed as 5 pm. Will we be meeting at 2 pm?

Jeff

1022. November 17th is a GO for me!

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-01 14:50:24 UTC
From: Mike Garske
Topic: 1022 Message: 1022

Jeff,

I have procured the 16th & 17th off for the next launch, so you now have a rider for the chase!

Is there a time for the meeting this Sunday at Hobbytown?

Mike KC7DPD

1023. Re: [tvnsp] Re: Thanks

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-01 14:53:33 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1015 Message: 1023

> Here's what I recommend. Paul, your controller can monitor a single
> output from the receiver. It would be one of the servo channels which is
> just a series of pulses. It can report the gain or loss of a signal and
> at what altitude it occurred. Since the signal is always present when in
> range no one would have to operate the sticks on the transmitter. The
> transmitter can be left at a designated location turned on. You would
> not have to worry about what altitude to wiggle a servo. With this
> method a servo and boom are not required, only a receiver and battery.
> Dan can still participate in the chase.

My flight computer (CC/PS) can count pulses. If we leave the TX
on and sending position data to the servos, the TX could be carried
by a chase vehicle. The CC/PS can be programmed to count
pusles once every data rep and reply if it found any.

Paul

1024. Sunday meeting/NHABG

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-01 15:06:57 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1024 Message: 1024

We're meeting Sunday at HobbyTown at 2:00 PM. Bring your stuff
for a show and tell as we'll have civilians. At that meeting I'd like to
work out a "lesson plan" of what we'll talk about/build and when.

In Washington is a balloon group (NHABG) that meets on Sunday
evenings. I'd like to see if we can arrange a mini-symposium for
early next year were we could all get together. Any ideas?

Paul

1025. Great

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-01 15:24:29 UTC
From: paulson58@juno.com
Topic: 1025 Message: 1025

Jeff-
Great idea. It seems like we started out with this at JB's on the Balloon launch day but discarded it for some reason. I agree with the thinking here. It will no doubt be lighter, easier, and take less time to set up. All that would be needed from the capsule is a small hole to extend the Receiver antenna from. Maybe a plastic tube can be rigged so the antenna (28AWG) wire can be held horizontal to the earth surface. This will replicate actual use. I'm thinking I will need to supply a pigtailed connector from the receiver to your processor Paul. I think you would just need to have the pulse line to monitor, and a battery return to tie to your processor equipment ground. Let me know if you think of anything else. Also, how long the pigtail needs to be.
Your also certainly right about the chase Jeff. I want to see how the tracking works and be a part of all that from the beginning of the launch. Thank you for making it easy for me.
Dan KD7OST

1026. Great

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-01 16:03:31 UTC
From: paulson58@juno.com
Topic: 1025 Message: 1026

Hey you guys-
As I think through what I want to know, I realize that when I get set up I can determine what I need to from the ground. I'm being a little eager to get on your last flight of the season, and maybe too eager. If both you guys have your cargo weight at max, my work shouldn't go now. Unless you really want to see for your own reasons how the 6 Meter RC set up is, I should bow out. I can be freed up to help with the launch and chase. Your call here.
Dan

1027. Re: [tvnsp] Great

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-01 16:53:31 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1025 Message: 1027

> All that would be needed from the capsule is a small
> hole to extend the Receiver antenna from. Maybe a plastic tube can be
> rigged so the antenna (28AWG) wire can be held horizontal to the
> earth surface.

There's lots of openings in my capsule.

> This will replicate actual use. I'm thinking I will
> need to supply a pigtailed connector from the receiver to your
> processor Paul.

I use crimped 0.25 inch headers spaced .1 inches, center to
center. I'll bring my tools to make the connector.

We'll measure the length of connecting wire needed when I bring in
the capsule for a fitting.

Paul

1028. Re: [tvnsp] Great

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-01 16:55:50 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1025 Message: 1028

> As I think through what I want to know, I realize that when I get set
> up I can determine what I need to from the ground. I'm being a little
> eager to get on your last flight of the season, and maybe too eager.
> If both you guys have your cargo weight at max, my work shouldn't go
> now. Unless you really want to see for your own reasons how the 6
> Meter RC set up is, I should bow out. I can be freed up to help with
> the launch and chase. Your call here.

We may still be alright. On Sunday we'll check for sure.

Paul

1029. Re: [tvnsp] Great

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-01 17:18:12 UTC
From: Jeff melanson
Topic: 1025 Message: 1029

Dan,

Bring your stuff in on Sunday. This experiment sounds interesting and
if Pauls capsule has room we should go for it. We stand the chance of
learning something while we interface the reciever and controller and
write software for it.
Food for thought: If we take the transmitter on the road with us we
might not get a chance to see when the signal is lost. If the
transmitter is stationary as the balloon moves away from it we can
calculate the range when signal is lost.
Paul, bring your scale please. Does someone have some calibrated
weights? I know my scale is wrong. It reads on the high side. The more
the weight the more the error. I should be able to figure a correction
value for it. Does the weight on a can of food include the can?

Jeff Melanson
KD7INN

paulson58@... wrote:
>
> Hey you guys-
> As I think through what I want to know, I realize that when I get set
> up I can determine what I need to from the ground. I'm being a little
> eager to get on your last flight of the season, and maybe too eager.
> If both you guys have your cargo weight at max, my work shouldn't go
> now. Unless you really want to see for your own reasons how the 6
> Meter RC set up is, I should bow out. I can be freed up to help with
> the launch and chase. Your call here.
> Dan
>
>
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>
>
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1030. Re: [tvnsp] Great

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-01 17:26:08 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1025 Message: 1030

> Paul, bring your scale please. Does someone have some calibrated
> weights? I know my scale is wrong. It reads on the high side. The more
> the weight the more the error. I should be able to figure a correction
> value for it. Does the weight on a can of food include the can?

I'll bring a scale. I would imagine the weight of the can is
insignificant to the food inside.

Paul

1031. Re: [tvnsp] November 17th is a GO for me!

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-01 17:31:18 UTC
From: Jeff melanson
Topic: 1022 Message: 1031

Mike,

Excellent.
The meeting is at 2 pm.

Jeff
KD7INN

Mike Garske wrote:
>
> Jeff,
>
> I have procured the 16th & 17th off for the next launch, so you now have a
> rider for the chase!
>
> Is there a time for the meeting this Sunday at Hobbytown?
>
> Mike KC7DPD
>
> To unsubscribe from this group, send an email to:
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>
>
>
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1032. Weight for calibration

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-01 17:51:54 UTC
From: Mark Conner
Topic: 1032 Message: 1032

A relatively easy standard to work with is one gallon of water, which is 8.33 lbs. Using a plastic milk jug would probably work best, as the plastic's weight is definitely insignificant compared to the water's weight. Plus it's in the weight range where you need the accuracy.

- Mark

1033. Re: [tvnsp] Weight for calibration

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-01 17:56:36 UTC
From: Jeff melanson
Topic: 1032 Message: 1033

Thanks Mark, great idea.

Jeff

Mark Conner wrote:
>
> A relatively easy standard to work with is one gallon of water, which
> is 8.33 lbs. Using a plastic milk jug would probably work best, as the
> plastic's weight is definitely insignificant compared to the water's
> weight. Plus it's in the weight range where you need the accuracy.
>
> - Mark
>
>
> To unsubscribe from this group, send an email to:
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>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

1034. Re: [tvnsp] New Email Address

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-01 18:01:44 UTC
From: Jeff melanson
Topic: 550 Message: 1034

Paul,
Which address is correct/current?

pverhage@...
paul.verhage@...

Jeff

1035. RE: [tvnsp] MPEG

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-01 18:37:11 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 986 Message: 1035

Good point, Doug! Hadn't thought about that. I use Netscape Communicator 4.7 by default., should have tried it with IE 5.5 as well.

Case shouldn't matter, but the spaces defintely would. By not mattering, I mean that if I type in PaulsHelium, it should find PaulsHelium or paulshelium without trouble, unless it's on a UNIX type (Linux falls in this category, of course) in which case file names are case sensitive.

Bill B.

-----Original Message-----
From: Doug Rich [mailto:doug@...]
Sent: Wednesday, October 31, 2001 10:38 PM
To: tvnsp@yahoogroups.com; 'tvnsp@yahoogroups.com'
Subject: RE: [tvnsp] MPEG

I have removed all spaces and capital letters. We must have different bowsers as mine did not have a problem with it the way it was.
Doug

At 04:19 PM 10/31/01 -0500, BLOHM,BILL (HP-Boise,ex1) wrote:

Clicking on the link "Pauls Helium Trip" results in a "file not found" error message. You might want to fix that by putting in "%20" in the link instead of the spaces (without the " of course). However, I can get to it if I cut the URL to ~tvnsp/images and select from the list then provided.

Bill B.

-----Original Message-----

From: Doug Rich [mailto:doug@... <mailto:doug@...>]

Sent: Monday, October 29, 2001 4:29 PM

To: tvnsp@yahoogroups.com

Subject: Re: [tvnsp] MPEG

It is already done. Look at the bottom of the home page.

At 03:35 PM 10/29/01 -0700, you wrote:

Doug, can you move a copy of the mpeg to the images directory?

I'll set up a link in the TVNSP webpages. Let's call the mpeg,

helium.mpg.

Paul

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~->

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1036. [tvnsp] Nov 17 Launch (was Thanks)

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-01 18:50:08 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 1036 Message: 1036

This reminds me, Bill Herrmann and I will be available for launch and as a chase team for the Nov. 17 launch. I just confirmed with him about this. We will have a full mobile APRS setup and will be operating a voice communications setup as well.

One question: when will we know the time and location of the launch site?

Bill B.

> -----Original Message-----
3) Dan, since this is your first
> launch and the
> last one of the season I would like to see you do launch and chase so
> you can see what it's all about.
>

1037. RE: [tvnsp] Great

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-01 18:57:14 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 1025 Message: 1037

Dan implies another point that pushes for keeping the transmitter stationary, I think. I'm not sure of the fligh path of the balloons, not having participated in a launch or chase yet, but it seems to me one of the reasons for the RC recovery vehicle is to be able to return to a known site. Keeping the transmitter stationary would provide information on two things: range and whether for recovery we will need to have the transmitter mobile. If the stationary transmitter is heard until balloon burst or whatever causes the capsule to be released, then that implies that we would have the ability to fly the RC back to launch site.

Bill B.

> -----Original Message-----
> Food for thought: If we take the transmitter on the
> road with us we
> might not get a chance to see when the signal is lost. If the
> transmitter is stationary as the balloon moves away from it we can
> calculate the range when signal is lost.
>

1038. Balloons for Mars

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-01 19:04:36 UTC
From: Bill Herrmann
Topic: 1038 Message: 1038

Check out http://www.msnbc.com/news/586894.asp and scroll down to the balloon part.

Bill

Find the best deals on the web at AltaVista Shopping!
http://www.shopping.altavista.com

1039. Re: [tvnsp] New Email Address

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-01 19:04:16 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 550 Message: 1039

> Paul,
> Which address is correct/current?
>
> pverhage@...
> paul.verhage@...

The bottom one is. The top one was for when I worked at the
Nampa School District, SD131.

Paul

1040. Re: [tvnsp] Nov 17 Launch (was Thanks)

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-01 19:09:45 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1036 Message: 1040

> One question: when will we know the time and location of the launch site?

Unfortunately it could be at the time and place we launch.
However, we'll have a good idea on Friday night. We'll hold a
meeting at that time to review the meteorological data (and eat
dinner).

Paul

1041. Mars Balloon

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-01 19:15:55 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1041 Message: 1041

It's a shame that MSNBC didn't mention that it was EOSS that provided the balloon ride. Since EOSS uses amateur radio, they can't make a profit. So Pioneer is getting a real bargain with EOSS.

Paul

1042. Re: [tvnsp] New Email Address

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-01 19:23:18 UTC
From: Jeff melanson
Topic: 550 Message: 1042

Paul,

Yahoo Groups shows your old address as sender.

Jeff

verhap@... wrote:
>
> > Paul,
> > Which address is correct/current?
> >
> > pverhage@...
> > paul.verhage@...
>
> The bottom one is. The top one was for when I worked at the
> Nampa School District, SD131.
>
> Paul
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

1043. Re: Great

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-01 19:59:57 UTC
From: paulson58@juno.com
Topic: 1025 Message: 1043

Bill and other interested parties.
This is a work in progress that a lot of us have thought about at various times, and in various pieces. Seems that it takes quite a few elements to make it work. I'm not so sure we are interested in Guiding the Aircraft all the way from Near Space. The recent success by the Canadian team, coupled with what seems to be [at long last] of the correct blend of people, has inspired us to get it moving forward. Anyway, the idea we are beginning to discuss, is to combine elements of the Northern success with our own plans. The idea is, as the Balloon bursts, the aircraft uses GPS and an onboard computer to "Come back" to launch point. The success of this will be largely dependant on the speed of jetstream, altitude achieved and how well the airframe will cope with these elements. Unknowns for now. But, that as the Vehicle gets closer, and you can either see it, or can recognize your terrain by viewing a downlinked signal, You simply turn on a RC transmitter. This signal coming on is sensed on board and gives you, the pilot, full control to land it at your feet.
The interest now is to see just how far out you can have reliable control with a standard 6 meter RC rig. We are going to be prototyping airframes and electronics packages. We will be launching these from atop a RC "Tug" aircraft that will carry up to 40 pounds aloft. This may be a project that goes on for quite awhile. On the other hand, with enough gray matter in action out there, maybe we can have a test vehicle ready by late next year.

Dan
KD7OST

--- In tvnsp@y..., "BLOHM,BILL (HP-Boise,ex1)" <bill_blohm@h...> wrote:
> Dan implies another point that pushes for keeping the transmitter
> stationary, I think. I'm not sure of the fligh path of the balloons, not
> having participated in a launch or chase yet, but it seems to me one of the
> reasons for the RC recovery vehicle is to be able to return to a known site.
> Keeping the transmitter stationary would provide information on two things:
> range and whether for recovery we will need to have the transmitter mobile.
> If the stationary transmitter is heard until balloon burst or whatever
> causes the capsule to be released, then that implies that we would have the

> ability to fly the RC back to launch site.
>
> Bill B.
>
> > -----Original Message-----
> > Food for thought: If we take the transmitter on the
> > road with us we
> > might not get a chance to see when the signal is lost. If the
> > transmitter is stationary as the balloon moves away from it we can
> > calculate the range when signal is lost.
> >

1044. Re: [tvnsp] New Email Address

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-01 22:17:58 UTC
From: Mike Garske
Topic: 550 Message: 1044

Paul, I sent you the Helium video to your old email address, so you probably didn't get it.....is that correct?

Mike KC7DPD
----- Original Message -----
From: <verhap@...>
To: <tvnsp@yahoogroups.com>
Sent: Thursday, November 01, 2001 12:04 PM
Subject: Re: [tvnsp] New Email Address

> > Paul,
> > Which address is correct/current?
> >
> > pverhage@...
> > paul.verhage@...
>
> The bottom one is. The top one was for when I worked at the
> Nampa School District, SD131.
>
> Paul
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
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>
>
>

1045. Re: [tvnsp] New Email Address

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-01 22:26:18 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 550 Message: 1045

> Paul, I sent you the Helium video to your old email address, so you probably
> didn't get it.....is that correct?

No, it got to me. So you sent it to the correct place.

Paul

1046. SWR Meter

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-02 15:13:05 UTC
From: paulson58@juno.com
Topic: 710 Message: 1046

Jeff-
Do you have a SWR Meter that will work at 6 Meters?
Do you know off hand what the minimum sensitivity is for these units? Will it measure well at 500mw or less? Here's the big one. Any idea who has a Spectrum Analyzer for the Above?
Thanks Jeff.
Dan

1047. Re: [tvnsp] SWR Meter

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-02 17:56:22 UTC
From: Jeff Melanson
Topic: 710 Message: 1047

Dan,

I don't have one. I don't know anyone with a spectrum analyzer.

Jeff

paulson58@... wrote:
>
> Jeff-
> Do you have a SWR Meter that will work at 6 Meters?
> Do you know off hand what the minimum sensitivity is for these
> units? Will it measure well at 500mw or less? Here's the big
> one. Any idea who has a Spectrum Analyzer for the Above?
> Thanks Jeff.
> Dan
>
>
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1048. Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-02 23:09:24 UTC
From: paulson58@juno.com
Topic: 23 Message: 1048

Paul-
I will be at the Meeting on Sunday at 2pm. I'll bring my RC Rxer.
See you there.
Dan KD7OST

1049. PCB's

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-03 15:48:23 UTC
From: paulson58@juno.com
Topic: 1049 Message: 1049

Paul-
Have you tried your photo technique on PCB's that use SMC's?
I've never etched anything that small by hand but would like to
try some smaller packages for future use.
Dan

1050. RE: [tvnsp] Weatherwise arrived in mail today

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-03 16:35:08 UTC
From: K7JPS - John
Topic: 990 Message: 1050

Just received my copy today (Friday.) Kimbra did an great job describing the whole ballooning experience. I think that her article would be a good read for science teachers to help get students interested in these events and science in general. In addition it gives me a better way of explaining the hobby to my friends and co-workers about why I am so excited about chasing balloons - without getting too technical.

I also thought she did an excellent job nailing down a description of Paul on launch day.

John Stone
K7JPS
-----Original Message-----
From: Mark Conner [mailto:mconner1@...]
Sent: Tuesday, October 30, 2001 09:09
To: tvnsp@yahoogroups.com
Cc: knsp@yahoogroups.com
Subject: Re: [tvnsp] Weatherwise arrived in mail today

No - we're headlined at the top of the cover, but no balloon picture on the cover. Total article length is 10 pages, which out of 66 for the issue is pretty good.

- Mark

----- Original Message -----
From: verhap@...
Date: Tuesday, October 30, 2001 3:56 pm
Subject: Re: [tvnsp] Weatherwise arrived in mail today

> Did we make the cover?
> Paul
>
> > Got my issue today, though I didn't realize it until a few
> minutes ago.
> > Looks like a nice article, and lots of pictures. I think Kimbra
> drew a nice
> > balance between technical details and the "spirit of adventure"
> aspect.>
> > - Mark
> >

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1051. Re: [tvnsp] PCB's

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-03 21:16:06 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1049 Message: 1051

> Have you tried your photo technique on PCB's that use SMC's?
> I've never etched anything that small by hand but would like to
> try some smaller packages for future use.
> Dan

It should work on SMCs. I can make fine lines.

Paul

1052. RE: [tvnsp] Weatherwise arrived in mail today

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-03 21:17:53 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 990 Message: 1052

Ughhhh!
I still haven't recieved a copy and they're still not available in boise.

When does the @^%#$$# Pony Express get into town?

Paul

> Just received my copy today (Friday.) Kimbra did an great job describing
> the whole ballooning experience. I think that her article would be a good
> read for science teachers to help get students interested in these events
> and science in general. In addition it gives me a better way of explaining
> the hobby to my friends and co-workers about why I am so excited about
> chasing balloons - without getting too technical.

> I also thought she did an excellent job nailing down a description of Paul
> on launch day.

But I was on my best behavior.

Paul

1053. Re: [tvnsp] PCB's

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-03 21:34:43 UTC
From: Tim Rynearson
Topic: 1049 Message: 1053
Attachments: 1 described; 1 payload recovered; 1 useful image is shown below

Paul and the group....
If you need someone to do soldering on surface mount, I work at Computrol, where we build PCB's that are heavily populated with VERY small surface mount parts, sometimes so small that they can only be soldered under a microscope, and I am one of only three in the plant that is certified for hand-soldering these parts......

Tim, N7UBO........

-------Original Message-------

From:verhap@...
Date: Saturday, November 03, 2001 02:20:50 PM
To:tvnsp@yahoogroups.com
Subject: Re: [tvnsp] PCB's

> Have you tried your photo technique on PCB's that use SMC's?
> I've never etched anything that small by hand but would like to
> try some smaller packages for future use.
> Dan

It should work on SMCs. I can make fine lines.

Paul

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Recovered attachment: embedded_attachment_01.jpg (115x101)

1054. Re: [tvnsp] PCB's

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-03 21:54:31 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1049 Message: 1054

> Paul and the group....
> If you need someone to do soldering on surface mount, I work at Computrol, where we build PCB's that are heavily populated with
VERY small surface mount parts, sometimes so small that they can only be soldered under a microscope, and I am one of only three in the plant that is certified for hand-soldering these parts......
>
> Tim, N7UBO........

Something to keep in mind.

Paul

1055. Parachutes

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-03 21:59:20 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1055 Message: 1055

I'll bring my damaged parachute to the meeting for some repairs.
Jeff, don't forget to bring some kite line, thanks.

Don't forget, the meeting is at 2:00 PM Sunday.

John Knapp, I need to borrow your 3' flare 'chute. I'd like to copy the pattern. I promise not to cut the 'chute apart. Can you call me and arrange for me to stop by?

Paul

1056. Re: [tvnsp] Parachutes

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-04 02:51:25 UTC
From: John Knapp
Topic: 1055 Message: 1056

I put them away but we can dig it out. Please call me
before you come over. We have family here and I want
to make sure I am here. Any idea what time?

JohnK
--- verhap@... wrote:
> I'll bring my damaged parachute to the meeting for
> some repairs.
> Jeff, don't forget to bring some kite line, thanks.
>
> Don't forget, the meeting is at 2:00 PM Sunday.
>
> John Knapp, I need to borrow your 3' flare 'chute.
> I'd like to copy
> the pattern. I promise not to cut the 'chute apart.
> Can you call me
> and arrange for me to stop by?
>
> Paul
>

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Find a job, post your resume.
http://careers.yahoo.com

1057. Re: PCB's

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-04 02:55:40 UTC
From: paulson58@juno.com
Topic: 1049 Message: 1057

Tim-
Thanks for the offer. I don't have any projects to miniaturize yet, but have all winter to get a couple of things done. Is this something you have to do at work, or can you do it at home?

Dan KD7OST

--- In tvnsp@y..., "Tim Rynearson" <n7ubo@b...> wrote:
> Paul and the group....
> If you need someone to do soldering on surface mount, I work at Computrol, where we build PCB's that are heavily populated with VERY small surface mount parts, sometimes so small that they can only be soldered under a microscope, and I am one of only three in the plant that is certified for hand-soldering these parts......
>
> Tim, N7UBO........

1058. RC Pilots

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-04 02:59:16 UTC
From: paulson58@juno.com
Topic: 1058 Message: 1058

Are any of you guys out there Active or Inactive RC Pilots?
Interested in working on a project that is Near Space in nature?

Dan KD7OST

1059. Re: [tvnsp] Re: PCB's

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-04 04:11:48 UTC
From: Tim Rynearson
Topic: 1049 Message: 1059
Attachments: 1 described; 1 payload recovered; 1 useful image is shown below

Dan,
I can do this at work OR home......I have the equipment to do it at both.....

Tim......

-------Original Message-------

From:paulson58@juno.com
Date: Saturday, November 03, 2001 07:55:08 PM
To:tvnsp@yahoogroups.com
Subject: [tvnsp] Re: PCB's

Tim-
Thanks for the offer. I don't have any projects to miniaturize yet,
but have all winter to get a couple of things done. Is this something
you have to do at work, or can you do it at home?

Dan KD7OST

--- In tvnsp@y..., "Tim Rynearson" <n7ubo@b...> wrote:
> Paul and the group....
> If you need someone to do soldering on surface mount, I work at
Computrol, where we build PCB's that are heavily populated with VERY
small surface mount parts, sometimes so small that they can only be
soldered under a microscope, and I am one of only three in the plant
that is certified for hand-soldering these parts......
>
> Tim, N7UBO........

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Recovered attachment: embedded_attachment_01.jpg (115x101)

1060. RE: [tvnsp] Weatherwise arrived in mail today

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-04 07:18:57 UTC
From: Bill All, N3KKM
Topic: 990 Message: 1060

At 03:17 PM 11/3/2001, you wrote:
>Ughhhh!
>I still haven't recieved a copy and they're still not available in boise.
>
>When does the @^%#$$# Pony Express get into town?
>
>Paul

Get a preview look at the article at http://www.weatherwise.org
Click on the "current issue" icon, then click on "Near-Space Race."
Nice Job Kimbra!!!

1061. Weatherwise arrived in mail today

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-04 16:59:15 UTC
From: Hank Riley
Topic: 990 Message: 1061

My copy of Weatherwise arrived Saturday morning, about
50 minutes before I left for a seminar featuring a
NOAA River Forecast Center hydrologist speaking about
snow surveying from an airplane (using natural background
gamma radiation -- very slick).

His office is in the same building as the National
Weather Service Forecast Office, and in fact is part
of NWS where SkyQuest has launched hamradiosondes
before, so I gave him my copy before I had a chance
to read it. What I did glance at was very impressive
and I feel that Kimbra did a real nice job, but haven't
read the text yet except for the first few sentences.

Two people at the meeting had regular subscriptions
and one brought his copy of the Nov/Dec issue which
had arrived minutes before at his PO Box.

Will check later today to see if it's at the magazine
store (Barnes and Noble). It wasn't Thursday.

QST should have already received its FAX copy midweek, but
that's unconfirmed.

Hank

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1062. Superlaunch Weatherwise article online is super! :)

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-05 16:41:24 UTC
From: Hank Riley
Topic: 990 Message: 1062

This is almost too good to be true. Excellent coverage
of the specific event, plus background info on other ham
efforts, plus some scientific balloon references, plus
great pictures. Oh, and a sidebar with balloon links.

http://www.weatherwise.org/01nd.cutlip.html

The web version looks virtually identical to the print
version. Wow, these Weatherwise folks know how to do
it all.

No glaring errors, if any errors, evident to this writer.

Hank

http://www.weatherwise.org/01nd.cutlip.html

_____
Do You Yahoo!?
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http://careers.yahoo.com

1063. Gyro's

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-05 17:04:39 UTC
From: paulson58@juno.com
Topic: 1063 Message: 1063

Paul-
The term I was looking for last night was SMM.
This is Silicon Micro Machining. They make the meachanical or analog operations right into the chip during manufacturing. Check out
http://www.futabarc.com/radioaccys/futm0807.html
I know it;s just food for thought at this point but,
the Piezo Gyro's are less expensive, but have poor stability in cold. I can't find the Spec's on them right now. The Motorized units are rated down to 14 degrees. But, they are quite a jump in price. It would be cheaper over all to develop a small heat source and contain it, and the gyro, in a smaller interior unit.
Dan

1064. [tvnsp] Superlaunch Weatherwise article online is super! :)

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-05 18:47:37 UTC
From: ab7xm@aol.com
Topic: 990 Message: 1064

wow paul ... you is fame moose .. you did us proud .... thanks hank
that was great ab7xm paul

1065. Re: [tvnsp] Superlaunch Weatherwise article online is super! :)

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-05 19:42:21 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 990 Message: 1065

> wow paul ... you is fame moose .. you did us proud .... thanks hank
> that was great ab7xm paul

Thanks, but I had lots of help. By the way, we have moose up here
in Idaho.

Paul

1066. Aurora!!

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-06 15:01:53 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1066 Message: 1066

Last night John told me that he and his family saw the aurora.
after I got home and did the dishes, I went out with camera at 9:00
PM. Talk about wow!

There was a broad semicircle of green with an arc of red over 3/4 of
the green. Two brighter pillars appeared on the left with occasional
jets.

There was a CME from the sun on sunday and the auroras may
continue tonight. After dark (8:00 PM?)tonight, check to the north.

I'll get my photos developed this afternoon.

Paul

1067. Re: [tvnsp] Aurora!!

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-06 19:12:51 UTC
From: Jeff Melanson
Topic: 1066 Message: 1067

Wow! I saw weird looking red in the sky last night as I got home from
work (11:45 PM) and thought my tired eyes were playing tricks on me!
I'll look again tonight.

Jeff
KD7INN

verhap@... wrote:
>
> Last night John told me that he and his family saw the aurora.
> after I got home and did the dishes, I went out with camera at 9:00
> PM. Talk about wow!
>
> There was a broad semicircle of green with an arc of red over 3/4 of
> the green. Two brighter pillars appeared on the left with occasional
> jets.
>
> There was a CME from the sun on sunday and the auroras may
> continue tonight. After dark (8:00 PM?)tonight, check to the north.
>
> I'll get my photos developed this afternoon.
>
> Paul
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
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1068. Antenna Info

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-07 07:00:04 UTC
From: paulson58@juno.com
Topic: 1068 Message: 1068

Can one of you other Hams with a lot of Antenna experience help me out? I need to know, If I get a Yagi Antenna for 33cm, rated at 150 Watts transmit, will it give me the same DB gain when using it as a receive antenna, pulling in a weak signal? I.E. mw or uw.

Thanks all,
Dan KD7OST

1069. Re: [tvnsp] Antenna Info

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-07 14:20:43 UTC
From: Doug Rich
Topic: 1068 Message: 1069

I believe it will. Good luck.

At 07:00 AM 11/7/01 +0000, you wrote:
>Can one of you other Hams with a lot of Antenna experience help me
>out? I need to know, If I get a Yagi Antenna for 33cm, rated at 150
>Watts transmit, will it give me the same DB gain when using it as a
>receive antenna, pulling in a weak signal? I.E. mw or uw.
>
>Thanks all,
>Dan KD7OST
>
>
>To unsubscribe from this group, send an email to:
>tvnsp-unsubscribe@egroups.com
>
>
>
>Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

1070. Re: [tvnsp] Antenna Info

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-07 15:02:59 UTC
From: Ralph Wallio, W0RPK
Topic: 1068 Message: 1070

Dan,

Antenna gain is measured in dBi (isotropic reference) or dBd (dipole reference). The isotropic reference is a magic antenna that radiates equally in all directions, e.g., when placed at the center of an imaginary sphere, it equally "illuminates" the entire surface of the sphere. Therefore a magic isotropic antenna has no gain.

If we could design and fabricate a magic antenna that evenly illuminated exactly 1/2 of the surrounding sphere, it would have gain of 3dBi. For 1/4 of the sphere, 6dBi gain. For 1/8th of the sphere, 9dBi gain, etc. adnauseam.

The dipole reference is for a real half-wave dipole in free space (with no ground reflections) with a gain of roughly 2dBi. The classic dipole in free space pattern has a shape like a donut with maximum 2dBi gain perpendicular to the dipole and 100dB nulls off both ends.

Maximum transmit power rating of an antenna is a function of conductor diameters and spacings for purposes of power dissipation and avoiding high voltage arc over. Power rating has nothing to do with gain, e.g., dipoles and long Yagis of widely varying gains could all be designed to have equal maximum power ratings.

A given antenna has the same transmit and receive gain but it is applied in different ways. Transmit power output (in Watts) is attenuated by the feedline (coax) before antenna gain is applied. As an example, 10W output - 3dB feedline loss + 6dBi antenna gain = 5W @ 6dBi = 20W EIRP (effective isotropic radiated power).

For receiving purposes we are concerned about signal-to-noise ratio (SNR - aka Eb/No) for the entire receiving chain. If everything else in the chain is held exactly the same, gain difference between two antennas will result in a similar difference in SNR. A more complete understanding requires a calculative process that takes all aspects of a receiving chain into account. Perhaps you would be interested in my discussion of this process which can be found at http://users.crosspaths.net/~wallio/LINKbudg.html .

You may want to consider the impact of decreasing antenna beamwidth resulting from higher gain. Narrowing beamwidth (between 3dB points - where gain is halved) requires more precise aiming and therefore, for a moving target, more frequent changes in antenna position. You might want to consider using a low noise preamplifier placed at the antenna rather than a higher gain antenna to reduce aiming difficulties.

TNX es 73 de Ralph Wallio, W0RPK
wallio@...

http://users.crosspaths.net/~wallio

----- Original Message -----
From: <paulson58@...>
To: <tvnsp@yahoogroups.com>
Sent: Wednesday, November 07, 2001 1:00 AM
Subject: [tvnsp] Antenna Info

> Can one of you other Hams with a lot of Antenna experience help me
> out? I need to know, If I get a Yagi Antenna for 33cm, rated at 150
> Watts transmit, will it give me the same DB gain when using it as a
> receive antenna, pulling in a weak signal? I.E. mw or uw.
>
> Thanks all,
> Dan KD7OST

1071. Off-topic: Aurora visible from satellite

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-07 15:44:46 UTC
From: Mark Conner
Topic: 1071 Message: 1071

Not particularly on-topic for any of these lists, but a cool site and
cool image nonetheless.

http://www.weatherpictureoftheday.com/today-fullsize.htm

If you go to this site after the 7th, look for the image dated Nov. 7th.

73 de Mark N9XTN

1072. [tvnsp] Antenna Info

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-07 17:14:53 UTC
From: Hank Riley
Topic: 1068 Message: 1072

--- paulson58@... wrote:

> I need to know, If I get a Yagi Antenna for 33cm, rated at 150
> Watts transmit, will it give me the same DB gain when using it as a
> receive antenna, pulling in a weak signal? I.E. mw or uw.
>
> Thanks all,
> Dan KD7OST

Yes, the exact same gain will be in effect for receiving as well
as for transmitting. This is called the principle of reciprocity.

Hank

_____
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1073. Parachutes etc

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-07 19:49:50 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1073 Message: 1073

I measured the pattern last night of the parachute. It measures slightly more than one yard across and two yards long. 16 yards of fabric will be enough, but you can rotate the pattern after you cut each gore and save a lot of fabric (the gores are triangular shaped). So it may take about 12 yards of fabric. I used ripstop nylon and purchased it at Jo-Anns.

The the straps over the top and for the shroud lines, I used twill tape. It's also available at Jo-Anns.

My aurora photos came out light, but I did get one that when darkened shows something. I'll scan and post it.

Finally, I got three copies of Weatherwise in the mail. Nice article, the pictures are little different in the magazine than they are on the webpage.

Paul

1074. Re: Antenna Info

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-07 20:03:40 UTC
From: paulson58@juno.com
Topic: 1068 Message: 1074

Thanks to all,

I got answers, links and enough material
to keep me plugging away.

Dan KD7OST

--- In tvnsp@y..., paulson58@j... wrote:
> Can one of you other Hams with a lot of Antenna experience help me
> out? I need to know, If I get a Yagi Antenna for 33cm, rated at 150
> Watts transmit, will it give me the same DB gain when using it as a
> receive antenna, pulling in a weak signal? I.E. mw or uw.
>
> Thanks all,
> Dan KD7OST

1075. Seeing Auroras

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-07 22:25:23 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1075 Message: 1075

Here's some info I'm putting together on seeing the aurora. I'm getting it from the spaceweather and NOAA's SEC websites.

Boise is at a magnetic lattitude of 50 deg north. One measure of distrubance of earth's magnetic field is the K-index. With a K index (Kp) of 9, the southern boundary of aurora reaches 50 deg north. However, the aurora occur at high altitudes (thermo or mesosphere - I don't recall which). So the aurora can often be seen when they are 5 degrees further north. Monday's aurora occured when the Kp was 8.

At the website, http://www.sec.noaa.gov/rt_plots/kp_3d.html you can get the latest and predicted Kp values. Check the site during the day and you can predict if you want to go aurora watching tonight.

Pick a location with dark skies to the north. If you want to photograph them, use fast film, ASA 400 or better, and use the bulb setting of your camera. I exposed images for 15 to 60 seconds on slow film and got some images. I needed faster film and a darker location.

We need to launch a balloon during one of these geomagnetic storms. The increased radiation at high altitudes can be equivilent to 100 chest x-rays for passengers in airplanes (I assume this is for a flight overseas).

So who can be ready to alunch a balloon at midnight, during a weekday, at 30 minutes notice? Who can chase all night during a work day?
:)

On the next flight we're carrying a geiger counter. We'll need to add to our list to check the K index during the launch.

Things are better for you folks in the midwest. The earth's magnetic field reaches lower lattitudes.

Paul

1076. Re: [tvnsp] Seeing Auroras

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-07 22:54:16 UTC
From: Mike Garske
Topic: 1075 Message: 1076

Paul,

I can launch on Sunday, Monday or Tuesday nights, those are my days(read nights) off......I am game! The only disadvantage I have is I don't have any tracking capabilities!.....hmmmm, I need to fix that!

Mike KC7DPD

1077. Odds and Ends

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-08 14:58:23 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1077 Message: 1077

I'll start shooting CC/PS PCBs this weekend. So far I have nine requests for the boards.

Other items for parachutes are swivels (get the largest you can - 0/1), snap rings (the kind of rings used for key rings) 25mm in diameter, and spectra (kite line). For the spectra, order a roll from Into The Wind. I use 150 pound test. I ordered 500 feet of this stuff, but an now running out. A 150 foot roll is sufficient. If anyone is interested, we could collectively order larger rolls and would probably save money. Into The Wind is on the web.

I'll put TVNSP flyers out at the Discovery Center and the remaining hobby shop. The flyers are now located at Scientific Wizardry, all three major hobby shops, and DCI. Any other locations you can think of?

The Flight Termination Unit (FTU) is completed, except I need to find a better way to connect it's link line to the parachute. We need to add it to the checklist. It has a fresh battery. I suppose we ought to set it for 2.5 hours.

I think we have enough remaining weight that we can send up two t-shirts, one in each capsule. I'd like to include a copy of Weatherwise. I'd like to have the launch crew sign it, then we'll get a picture before we load it into the capsule. After recovery I'd like to get additional pictures. After the photos are developed, I want to send the magazine to Weatherwise as a thank you.

I'll post the flight on the balloon schedule list today. Can we get "QSL" cards in time for the flight? I'd like to send one to everyone making contact witht he repeater on this flight. I'd like to load the cards into the capsule.

I'll make the dropzond's parachute today. I plan to use a cross parachute.

Paul

1078. Hypotethical Aurora Flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-08 15:12:12 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1078 Message: 1078

I've giving it some thought. If we launch for an aurora, what should we send up? Here's what I've come up with....

Geiger counter - to measure radiation from the CME
Camcorder with image intensifier - to record the aurora from 100,000 ft
Color wheel - to create color images of the aurora
VLF Radio and tape recorder - to record spherics

Any other ideas?

Paul

1079. Re: [tvnsp] Hypotethical Aurora Flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-08 15:37:04 UTC
From: John Knapp
Topic: 1078 Message: 1079

GPS Unit for tracking - probably one in each capsule
and a radio beacon. It was the beacon that saved us on
the last night launch.

I would be interested in doing this, but I don't have
the tracking equipment at the present time.

JohnK
KD7HGS

--- verhap@... wrote:
> I've giving it some thought. If we launch for an
> aurora, what should
> we send up? Here's what I've come up with....
>
> Geiger counter - to measure radiation from the CME
> Camcorder with image intensifier - to record the
> aurora from
> 100,000 ft
> Color wheel - to create color images of the aurora
> VLF Radio and tape recorder - to record spherics
>
> Any other ideas?
>
> Paul
>

_____
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1080. Next Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-08 17:31:02 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 719 Message: 1080

Mark brought up a good point. When we send up capsules, there's always that slow rotation. It's possbile that it comes from the twisted load line from unwinding. The spectra kite line and other nylon lines are woven, rather than twisted. i'll see if I can pick up some woven line at the hardware store for the next launch. If not, Jeff, can you spare 30 feet of your spectra?

After the flight we need to compare the video to previous flights.

Be careful with spectra. Friction will melt the line.

Paul

1081. Re: [tvnsp] Next Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-08 17:44:42 UTC
From: Jeff Melanson
Topic: 719 Message: 1081

No problem.

Jeff

verhap@... wrote:
>
> Mark brought up a good point. When we send up capsules, there's
> always that slow rotation. It's possbile that it comes from the
> twisted load line from unwinding. The spectra kite line and other
> nylon lines are woven, rather than twisted. i'll see if I can pick up
> some woven line at the hardware store for the next launch. If not,
> Jeff, can you spare 30 feet of your spectra?
>
> After the flight we need to compare the video to previous flights.
>
> Be careful with spectra. Friction will melt the line.
>
> Paul
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
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1082. Kevlar Line

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-08 21:37:20 UTC
From: paulson58@juno.com
Topic: 1082 Message: 1082

FYI-
The following link to Pratt Hobbies will get you to Kevlar line.
I don't know about the weave of this Kevlar. Pratt is a Model Rocket Company. The Kevlar is not coated so can be tied and glued.
It is Very, Very, heat resistant and strong. It will not melt. They sell it in 100lb test for .10 a foot, 250lb for .15 a foot and 500lb for .20 a foot. It is listed as SL1-C, SL2-C and SL3-C respectively. Maybe they have it woven.

http://www.pratthobbies.com/ordering_information.htm

Dan / KD7OST

1083. Re: Seeing Auroras

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-09 01:37:49 UTC
From: paulson58@juno.com
Topic: 1075 Message: 1083

Paul

Put me down as a Go for the night launch Paul. I too have no
tracking equipment, but can help with Balloon handling and Driving.

Dan KD7OST

--- In tvnsp@y..., verhap@o... wrote:
> Here's some info I'm putting together on seeing the aurora. I'm
> getting it from the spaceweather and NOAA's SEC websites.
>
> Boise is at a magnetic lattitude of 50 deg north. One measure of
> distrubance of earth's magnetic field is the K-index. With a K
> index (Kp) of 9, the southern boundary of aurora reaches 50 deg
> north. However, the aurora occur at high altitudes (thermo or
> mesosphere - I don't recall which). So the aurora can often be
> seen when they are 5 degrees further north. Monday's aurora
> occured when the Kp was 8.
>
> At the website, http://www.sec.noaa.gov/rt_plots/kp_3d.html
> you can get the latest and predicted Kp values. Check the site
> during the day and you can predict if you want to go aurora
> watching tonight.
>
> Pick a location with dark skies to the north. If you want to
> photograph them, use fast film, ASA 400 or better, and use the
> bulb setting of your camera. I exposed images for 15 to 60
> seconds on slow film and got some images. I needed faster film
> and a darker location.
>
> We need to launch a balloon during one of these geomagnetic
> storms. The increased radiation at high altitudes can be
equivilent
> to 100 chest x-rays for passengers in airplanes (I assume this is
> for a flight overseas).
>
> So who can be ready to alunch a balloon at midnight, during a
> weekday, at 30 minutes notice? Who can chase all night during a
> work day?
> :)
>
> On the next flight we're carrying a geiger counter. We'll need to
> add to our list to check the K index during the launch.
>
> Things are better for you folks in the midwest. The earth's
> magnetic field reaches lower lattitudes.

>
> Paul

1084. Re: [tvnsp] Kevlar Line

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-09 06:58:00 UTC
From: Jeff melanson
Topic: 1082 Message: 1084

Dan,

If it will not melt then our cutdown device wont work.

Jeff

paulson58@... wrote:
>
> FYI-
> The following link to Pratt Hobbies will get you to Kevlar line.
> I don't know about the weave of this Kevlar. Pratt is a Model Rocket
> Company. The Kevlar is not coated so can be tied and glued.
> It is Very, Very, heat resistant and strong. It will not melt. They
> sell it in 100lb test for .10 a foot, 250lb for .15 a foot and 500lb
> for .20 a foot. It is listed as SL1-C, SL2-C and SL3-C respectively.
> Maybe they have it woven.
>
> http://www.pratthobbies.com/ordering_information.htm
>
> Dan / KD7OST
>
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>
>
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1085. Re: [tvnsp] Next Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-09 11:34:15 UTC
From: Tim Rynearson
Topic: 719 Message: 1085
Attachments: 1 described; 1 payload recovered; 1 useful image is shown below

Paul,
I have some flourescent green woven dacron line that's 150 lb test that I use for my stunt kites.....I could probably spare 30 feet if you need it....

Tim, N7UBO....

-------Original Message-------

From:verhap@occ1.sd01.k12.id.us
Date: Thursday, November 08, 2001 09:58:05 AM
To:tvnsp@yahoogroups.com
Subject: [tvnsp] Next Launch

Mark brought up a good point. When we send up capsules, there's
always that slow rotation. It's possbile that it comes from the
twisted load line from unwinding. The spectra kite line and other
nylon lines are woven, rather than twisted. i'll see if I can pick up
some woven line at the hardware store for the next launch. If not,
Jeff, can you spare 30 feet of your spectra?

After the flight we need to compare the video to previous flights.

Be careful with spectra. Friction will melt the line.

Paul

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Recovered attachment: embedded_attachment_01.jpg (115x101)

1086. Re: [tvnsp] Next Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-09 15:07:00 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 719 Message: 1086

> Paul,
> I have some flourescent green woven dacron line that's 150 lb test that I use for my stunt kites.....I could probably spare 30 feet if you need it....

That sounds like the stuff Jeff's got. Thanks.
Are you planning to attend a launch? As I recall, you only attended the first one or two of them. Also, as I recall, you have an APRS tracker and were pretty handy with it.

Paul

1087. Re: Kevlar Line

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-09 15:32:09 UTC
From: paulson58@juno.com
Topic: 1082 Message: 1087

Jeff-

(Sound of chuckling as the perverbial light comes on over my head)
Boy, that would be a pickle eh? A Near Space conundrum.
Thank's for keeping my learning curve in motion Jeff.
I guess it would only be OK for future Parachute Lines.

Dan

--- In tvnsp@y..., Jeff melanson <kd7inn@e...> wrote:
> Dan,
>
> If it will not melt then our cutdown device wont work.
>
> Jeff
>
> paulson58@j... wrote:
> >
> > FYI-
> > The following link to Pratt Hobbies will get you to Kevlar line.
> > I don't know about the weave of this Kevlar. Pratt is a Model
Rocket
> > Company. The Kevlar is not coated so can be tied and glued.
> > It is Very, Very, heat resistant and strong. It will not melt.
They
> > sell it in 100lb test for .10 a foot, 250lb for .15 a foot and
500lb
> > for .20 a foot. It is listed as SL1-C, SL2-C and SL3-C
respectively.
> > Maybe they have it woven.
> >
> > http://www.pratthobbies.com/ordering_information.htm
> >
> > Dan / KD7OST
> >
> > To unsubscribe from this group, send an email to:
> > tvnsp-unsubscribe@egroups.com
> >
> >
> >
> > Your use of Yahoo! Groups is subject to
http://docs.yahoo.com/info/terms/

1088. Re: [tvnsp] Re: Kevlar Line

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-09 16:48:08 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1082 Message: 1088

One comment about kevlar....

I've never used the stuff, but I was under the impression that it's abrasive stuff. If that's the case, it would cut hands faster than spectra.

Paul

1089. Next Launch, pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-09 16:56:18 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1089 Message: 1089

If it wasn't enough to launch on Saturday and have a TVNSP meeting on Sunday, there's a meteor shower Saturday night. The Leonids are most active in 33 year intervals. This year's shower could be major, really major. I plan to watch it from Bogus Basin (or there abouts), that way I'm above the clouds and lights of the valley.

Is anyone interested in seeing the meteor shower? If you have a camera with a bulb setting (and a cable release) you can photograph the shower.

The predicted maximium for North America is at 3:00 AM Sunday morning.

Paul

1090. Re: Kevlar Line

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-09 17:14:02 UTC
From: paulson58@juno.com
Topic: 1082 Message: 1090

I don't know. They make garments with the material. I was just
throwing it out on the table. I get the idea though. Thanks

Dan

--- In tvnsp@y..., verhap@o... wrote:
> One comment about kevlar....
>
> I've never used the stuff, but I was under the impression that it's
> abrasive stuff. If that's the case, it would cut hands faster than
> spectra.
>
> Paul

1091. RE: [tvnsp] Next Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-09 18:11:24 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 719 Message: 1091

If friction is actually a problem, how about Spider Wire from fishing gear? It's extremely strong, I think, but am not positive, that it easily goes to the desired strength. The only real issue would be any knots. Care must be used in tying them as Spider Wire is slippery stuff. It is, however, virtually unbreakable.

Just a thought.

Bill B.

> -----Original Message-----
> From: verhap@... [mailto:verhap@...]
> Sent: Thursday, November 08, 2001 3:31 AM
> To: tvnsp@yahoogroups.com
> Subject: [tvnsp] Next Launch
>
>
> Mark brought up a good point. When we send up capsules, there's
> always that slow rotation. It's possbile that it comes from the
> twisted load line from unwinding. The spectra kite line and other
> nylon lines are woven, rather than twisted. i'll see if I
> can pick up
> some woven line at the hardware store for the next launch. If not,
> Jeff, can you spare 30 feet of your spectra?
>
> After the flight we need to compare the video to previous flights.
>
> Be careful with spectra. Friction will melt the line.
>
> Paul
>
> To unsubscribe from this group, send an email to:
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>
>
>
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>
>

1092. Re: [tvnsp] Next Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-09 20:25:06 UTC
From: Tim Rynearson
Topic: 719 Message: 1092
Attachments: 1 described; 1 payload recovered; 1 useful image is shown below

Paul,
I will try my best to attend the next launch, and yes, I have a complete portable tracker set up with WinAPRS and precision mapping on the laptop. One of my next radio-related purchases will be the Ramsey doppler receiver kit for DFing when in simplex range.

Tim, N7UBO.....

-------Original Message-------

From:verhap@...
Date: Friday, November 09, 2001 07:33:25 AM
To:tvnsp@yahoogroups.com
Subject: Re: [tvnsp] Next Launch

> Paul,
> I have some flourescent green woven dacron line that's 150 lb test that I use for my stunt kites.....I could probably spare 30 feet if you need it....

That sounds like the stuff Jeff's got. Thanks.
Are you planning to attend a launch? As I recall, you only
attended the first one or two of them. Also, as I recall, you have an
APRS tracker and were pretty handy with it.

Paul

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tvnsp-unsubscribe@egroups.com

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Recovered attachment: embedded_attachment_01.jpg (115x101)

1093. Re: [tvnsp] Next Launch, pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-09 20:27:55 UTC
From: Tim Rynearson
Topic: 1089 Message: 1093
Attachments: 1 described; 1 payload recovered; 1 useful image is shown below

Squaw Butte is better than Bogus for viewing the leonids, IMHO....its further away from the lights of Boise...

Tim

-------Original Message-------

From:verhap@...
Date: Friday, November 09, 2001 09:23:04 AM
To:tvnsp@yahoogroups.com
Subject: [tvnsp] Next Launch, pt 2

If it wasn't enough to launch on Saturday and have a TVNSP meeting on Sunday, there's a meteor shower Saturday night. The Leonids are most active in 33 year intervals. This year's shower could be major, really major. I plan to watch it from Bogus Basin (or there abouts), that way I'm above the clouds and lights of the valley.

Is anyone interested in seeing the meteor shower? If you have a camera with a bulb setting (and a cable release) you can photograph the shower.

The predicted maximium for North America is at 3:00 AM Sunday morning.

Paul

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Recovered attachment: embedded_attachment_01.jpg (115x101)

1094. Re: [tvnsp] Next Launch, pt 2 boundary="----------Boundary-00=_JIVJMY50000000000000"

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-09 21:36:47 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1089 Message: 1094

> Squaw Butte is better than Bogus for viewing the leonids, IMHO....its further away from the lights of Boise...

What's it like driving up Squaw Butte?

Paul

1095. Re: [tvnsp] Next Launch, pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-09 23:52:21 UTC
From: Mike Garske
Topic: 1089 Message: 1095

Paul, I will be willing to go watch for meteors, count me and my girlfriend
in!

Mike KC7DPD
----- Original Message -----
From: <verhap@...>
To: <tvnsp@yahoogroups.com>
Sent: Friday, November 09, 2001 9:56 AM
Subject: [tvnsp] Next Launch, pt 2

> If it wasn't enough to launch on Saturday and have a TVNSP
> meeting on Sunday, there's a meteor shower Saturday night. The
> Leonids are most active in 33 year intervals. This year's shower
> could be major, really major. I plan to watch it from Bogus Basin
> (or there abouts), that way I'm above the clouds and lights of the
> valley.
>
> Is anyone interested in seeing the meteor shower? If you have a
> camera with a bulb setting (and a cable release) you can
> photograph the shower.
>
> The predicted maximium for North America is at 3:00 AM Sunday
> morning.
>
> Paul
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
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>
>
>

1096. Re: [tvnsp] Next Launch, pt 2 boundary="------------Boundary-00=_JIVJMY50000000000000"

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-10 01:19:24 UTC
From: Tim Rynearson
Topic: 1089 Message: 1096
Attachments: 1 described; binary payloads are missing from this source WARC

the drive is all paved except for the last seven miles or so, with the last couple being fairly steep and rough getting to the top. If you don't want to go clear to the top, there's a large flat area just before the last climb that would still be good for observation....you know you're there when you come upon an FAA snow-cat shed.

-------Original Message-------

From:verhap@...
Date: Friday, November 09, 2001 02:03:19 PM
To:tvnsp@yahoogroups.com
Subject: Re: [tvnsp] Next Launch, pt
2boundary="------------Boundary-00=_JIVJMY50000000000000"

> Squaw Butte is better than Bogus for viewing the leonids, IMHO....its further away from the lights of Boise...

What's it like driving up Squaw Butte?

Paul

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1097. Re: [tvnsp] Next Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-10 01:43:19 UTC
From: Randy Farley
Topic: 719 Message: 1097

I was thinking about this stuff too Bill. Might be worth experimenting
with. I have some extra line left over after trying it once. Will donate
it when i can make a meeting.

I hate the stuff for fishing. You cannot cut it with nail clippers. Even
a knife
has a tuff time for close/neat cutting of tag ends. The best way to cut
it is with scissors (not your wifes favorite pair) and then throw them
away. You can turn boulders over the size of a car if you get hung up on
the bottom of a river. The hook will usually break before the line
snaps. It has a nasty tendency to spiral into the most beautifil
crochet'd knots (i think they were knots) if you do not have a good
swivel at the terminal end of the line. I have seen new knots that no
sailor has ever dream't of tying. The slippery feeling of the line is
nice until you find out it has cut to the bone of you fingers while
trying to retrieve you favorite lure. For Whaling it might be ok in my
book. Back to good old monofilament or dacron for me.

Maybe it was meant for ballooning <;)

"BLOHM,BILL (HP-Boise,ex1)" wrote:
>
> If friction is actually a problem, how about Spider Wire from fishing gear?
> It's extremely strong, I think, but am not positive, that it easily goes to
> the desired strength. The only real issue would be any knots. Care must be
> used in tying them as Spider Wire is slippery stuff. It is, however,
> virtually unbreakable.
>
> Just a thought.
>
> Bill B.
>
> > -----Original Message-----
> > From: verhap@... [mailto:verhap@...]
> > Sent: Thursday, November 08, 2001 3:31 AM
> > To: tvnsp@yahoogroups.com
> > Subject: [tvnsp] Next Launch
> > >
> > >
> > Mark brought up a good point. When we send up capsules, there's
> > always that slow rotation. It's possbile that it comes from the
> > twisted load line from unwinding. The spectra kite line and other
> > nylon lines are woven, rather than twisted. i'll see if I
> > can pick up
> > some woven line at the hardware store for the next launch. If not,
> > Jeff, can you spare 30 feet of your spectra?

> >
> > After the flight we need to compare the video to previous flights.
> >
> > Be careful with spectra. Friction will melt the line.
> >
> > Paul
> >
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> >
> >
> >
> > Your use of Yahoo! Groups is subject to
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> >
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

--
Regards,
Randy Farley
N7GPS -Ham Call-
My Home at: http://map.findu.com/n7gps
Find my pickup at: http://map.findu.com/n7gps-9
Also see daily weather radar reports for my location at:
(scroll to bottom of page)
http://www.findu.com/cgi-bin/find.cgi?call=n7gps&radar=CBX

1098. Re: [tvnsp] Next Launch, pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-10 21:43:04 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1089 Message: 1098

> the drive is all paved except for the last seven miles or so, with the last couple being fairly steep and rough getting to the top. If you don't want to go clear to the top, there's a large flat area just before the last climb that would still be good for observation....you know you're there
when you come upon an FAA snow-cat shed.

Is it paved up to the shed?

Paul

1099. Re: [tvnsp] Next Launch, pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-10 21:50:19 UTC
From: Tim Rynearson
Topic: 1089 Message: 1099
Attachments: 1 described; binary payloads are missing from this source WARC

no, I think its about five miles of dirt road to the cat shed......

-------Original Message-------

From:verhap@...
Date: Saturday, November 10, 2001 02:09:42 PM
To:tvnsp@yahoogroups.com
Subject: Re: [tvnsp] Next Launch, pt 2

> the drive is all paved except for the last seven miles or so, with the last couple being fairly steep and rough getting to the top. If you don't want to go clear to the top, there's a large flat area just before the last climb that would still be good for observation....you know you're there
when you come upon an FAA snow-cat shed.

Is it paved up to the shed?

Paul

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1100. Weather

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-12 04:34:37 UTC
From: Jeff melanson
Topic: 1100 Message: 1100

Mark Conner,

We are preparing for a launch this weekend and the weather is getting cold. I was wondering about how much temperature change there is at 95,000 ft. Does it get significantly colder?

Jeff Melanson
KD7INN

1101. Batteries

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-12 04:47:46 UTC
From: Jeff melanson
Topic: 1101 Message: 1101

We know that alkaline batteries loose power as they become colder. They regain that power as they warm up. This is why my GPS shutdown on the Twin Falls flight. Lithium batteries are not affected by cold. I'm told that NiCads are not affected by cold either. What about NiMH (Nickel Metal Hydride)? Are they affected by cold?

Jeff Melanson
KD7INN

1102. Re: [tvnsp] Batteries

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-12 05:07:44 UTC
From: Mark Conner
Topic: 1101 Message: 1102
Attachments: 1 described; binary payloads are missing from this source WARC

> Mark Conner,
>
> We are preparing for a launch this weekend and the weather is getting
> cold. I was wondering about how much temperature change there is at
> 95,000 ft. Does it get significantly colder?

It may even be slightly warmer near the tropopause during the winter. Typically, the tropopause is higher and colder in the tropics than in the temperate or polar regions. However, you don't have the warm air at the low altitudes to keep the package a bit warmer on the way up. So it all may balance out.

> We know that alkaline batteries loose power as they become colder. They
> regain that power as they warm up. This is why my GPS shutdown on the
> Twin Falls flight. Lithium batteries are not affected by cold. I'm told
> that NiCads are not affected by cold either. What about NiMH (Nickel
> Metal Hydride)? Are they affected by cold?
>

NiCd and NiMH are affected by cold, but I don't think they are affected to the degree alkaline batteries are.

I got a suggestion a while back from a ham who does a lot of R/C work. He suggested topping off NiMH batteries at a fast-charge rate (1C or more) before launch. This will heat the batteries to about 60 degrees C and thus will take longer to cool off.

My suggestion is to insulate the batteries (or what they're contained in) to the extent possible. I surround my NiMH pack with an inch or two of styrofoam. The thermochron in with them never got very far below 0C and typically got no colder than 5-8C during a flight.

Below is a graphic I found showing capacity change with temperature of NiMH cells.

And here's where I got it - lots of stuff here about NiMH batteries.
http://data.energizer.com/batteryinfo/application_manuals/nickel_metal_hydride.htm

73 de Mark N9XTN

1103. Re: [tvnsp] Batteries

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-12 06:20:40 UTC
From: Bill Herrmann
Topic: 1101 Message: 1103

> > We know that alkaline batteries loose power as they become colder. They
[snip]
> > Metal Hydride)? Are they affected by cold?

All batteries are affected to some extent. They are, after all, a chemical reaction so will slow as the heat level decreases. That said, yes, some types are more affected than others. The batteries used in cameras are particularly susceptible.

>I got a suggestion a while back from a ham who does a lot of R/C work. He
>suggested topping off NiMH batteries at a fast-charge rate (1C or more)
>before launch. This will heat the batteries to about 60 degrees C and thus
>will take longer to cool off.

Seems like a pretty valid idea. Throw in that insulation around the outside of the batteries and they should retain that heat for some time. As we discussed at the last meeting I'd say it would be well worth keeping them in a warm car till the last possible moment.

I've got a weather station on the house (not yet hooked to APRS, but someday!) so I'll pull the early morning temperatures this week. Eagle tends to run a little cooler than Boise, but last week we were getting down into the lower 20's F around sunrise.

Bill
KD7MJC

p.s. Anybody started making flight predictions? I'm hoping to run a few just to figure out how to work the software.

1104. (Fwd) Re: Batteries

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-12 17:03:46 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1104 Message: 1104

I'm forwarding this message on.
++++++++++++++++++++++++++
------- Forwarded Message Follows -------
From: "James R. Johnson" <w7tyg@...>
To: "Paul Verhage" <paul.verhage@...>
Subject: Re: Batteries
Date sent: Mon, 12 Nov 2001 09:41:32 -0700

(Forgot how to post this to the list.)

How about painting the outside of the battery enclosure (whatever it might be) a flat black to let the sun help a little?
++++++++++++++++++++++++++++++

The batteries are inside of a larger box.

Paul

1105. RC Receiver

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-12 17:17:04 UTC
From: paulson58@juno.com
Topic: 1105 Message: 1105

Paul-
I made up a Connector to go from my Futaba Receiver to your Dip Header socket on your Stamp carrier board. I brought out the Ground and the pulse, and put them side by side. I also have a styrofoam weathercock to trail the wire antenna downward against the airflow. I can package the whole thing (minus antenna lead) into a foam block. I will be using NiCad AA cells, but am not expecting to see the signal higher than 3 to 5 miles. I don't think I need to pack the batteries for warmth. I would be more concerned with the Quartz Crystal Oscillator drifting freq due to cold, but have run them on the ground down to 25-30F. I'm thinking it may not be effected adversely by temperatures until long after I'm done getting a reading. (I.E. capsule temp won't drop that fast). Any thoughts you have here would be appreciated. Also, I can get this to you sometime this week. Whatever it takes to keep this from getting in the way of your own pre-launch efforts. I will make every effort to get this to you so you can write it in the stamp program and not have to mess with it on Launch eve or morning.

Dan KD7OST

1106. Status, 12 nov

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-12 17:17:08 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1106 Message: 1106

The Boise NWS si predicting a chance of rain on Friday and Saturday, with clear skies on Sunday. The MRF shows a low pressure trough giving us southwest winds until Saturday afternoon when they turn to the northwest.

It looks like Saturday's launch is borderline between good and bad weather. We'll know better as the weekend approaches.

The astronomy club is having a meteor shower watch at Bruneau Dunes. I'd like to head on over there Saturday after the flight. Bruneau would like us to do a launch from the State Park. The ranger I talked to thought they might even be able to pay for the launch if we did a talk that evening for the public. If we do this, we need to set up a mission control for the public.

I need Lee's email address. Does nayone have it? I'm sending him our two latest videos and a t-shirt that went up to 85,000 feet.

Paul

1107. Circuit Cellar article

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-12 17:49:56 UTC
From: Mark Conner
Topic: 1107 Message: 1107

There are a couple of things here of interest. One is how to use a humidity and pressure sensor, and the other is an implementation of low-power RF communication of the data (may be useful for inter-capsule data transfer).

http://www.circuitcellar.com/library/print/1101/Wasinger136/wasinger136.pdf

73 de Mark N9XTN

1108. Re: [tvnsp] RC Receiver

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-12 19:23:28 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1105 Message: 1108

> Paul-
> I made up a Connector to go from my Futaba Receiver to your Dip
> Header socket on your Stamp carrier board. I brought out the Ground
> and the pulse, and put them side by side.

I'm wondering if we want to put a current limiting resistor on the
pulse side?

If your reciever doesn't hear a signal, does it still try to position the
servos? Here's what I'm thinking..... If your transmitter stays
within range, there should be pulses on the reciever. Once your
transmitter is out of range, the pulses from the receiver will stop.
By counting pulses, we can tell if the reciever is still within range.

Paul

1109. Satus, 12 Nov pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-12 19:56:50 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1109 Message: 1109

The cutdown device is complete, including its housing. It's labelled the Flight Termination Unit (FTU). The Dropzond is complete including its parachute. I need to finish the dropper unit. The thermochrons are not here, so I made a cable for the temperature array I created last year.

I shot the first CC/PS board last night. There was a rotation between the top and bottom, but not so bad I can test the board. I need to order a second packet of double sided boards before I can finish them all. I'd like to set up the PCB lab in a basement and shoot the boards at once. Is anyone interested?

Paul

1110. Status, 12 Nov pt 3

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-12 22:03:47 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1110 Message: 1110

Jeff, I'll drop UV beads off at your house tonight. They'll be guarded by the bunnies.

One of my students lent me two thermochrons. With mine at home, that makes three. Jeff, did you get a thermochron? I was thinking you have one with your reader, but I don't recall.

I'll make a cable for the RC reciever tonight.

Paul

1111. Re: Satus, 12 Nov pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-12 22:48:29 UTC
From: paulson58@juno.com
Topic: 1109 Message: 1111

Paul-

I have a 4 1/2 by 6 1/3 double sided PCB blank if it will help.
Also, I would like to get in on your photo etch technique. Do you
have a basement, or are you looking for one to set up in? My place
has no basement.

Dan

> I shot the first CC/PS board last night. There was a rotation
> between the top and bottom, but not so bad I can test the board. I
> need to order a second packet of double sided boards before I can
> finish them all. I'd like to set up the PCB lab in a basement and
> shoot the boards at once. Is anyone interested?
>
> Paul

1112. Re: RC Receiver

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-12 23:06:31 UTC
From: paulson58@juno.com
Topic: 1105 Message: 1112

--- In tvnsp@y..., verhap@o... wrote:
Paul-

> I'm wondering if we want to put a current limiting resistor on the
> pulse side?

I can't think of any reason why a current limiter should go on the pulse line. The pulse comes out of a CMOS surface mount D type Flip Flop. It doesn't get amplified before it's output. It's already very, very high impedance on the output. At least 10 mega-ohms.

> If your reciever doesn't hear a signal, does it still try to
position the
> servos? Here's what I'm thinking..... If your transmitter stays
> within range, there should be pulses on the reciever. Once your
> transmitter is out of range, the pulses from the receiver will
stop.
> By counting pulses, we can tell if the reciever is still within
range.
>
> Paul

This sounds good to me. I have no idea of and would likely not even comprehend what you've got your BSII SX doing. Whatever works easiest for you is OK by me. I'm just along for the ride. My system will not be set to Fail safe. This means there will be no pulses going from the receiver to your Stamp after the signal is lost. I expect a few miles of rock solid signal, followed by a very short period of marginal or glitched out signal, then the receiver will lose lock altogether and be quiet. I already have a Cable made up for interface.

Dan
>
> Paul

1113. Re: [tvnsp] Re: Satus, 12 Nov pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-12 23:18:16 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1109 Message: 1113

> I have a 4 1/2 by 6 1/3 double sided PCB blank if it will help.
> Also, I would like to get in on your photo etch technique. Do you
> have a basement, or are you looking for one to set up in? My place
> has no basement.

The PCB i use is presensitized. I've give you a copy of the article I wrote for Circuit Cellar Inc on making PCBs at home.

I'm looking for a temporary place to shoot all the boards. I'm hoping to make it a part of the TVNSP meetings. I make the boards in my bathroom, but sometimes I need that room for other, err, functions.

Paul

1114. Re: [tvnsp] Re: RC Receiver

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-12 23:19:11 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1105 Message: 1114

> I can't think of any reason why a current limiter should go on the
> pulse line. The pulse comes out of a CMOS surface mount D type Flip
> Flop. It doesn't get amplified before it's output. It's already very,
> very high impedance on the output. At least 10 mega-ohms.

Sounds good. I need to pick up the reciever and cable from you.
Where and when can we meet?

Paul

1115. Recording simplex repeater traffic

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-12 23:30:47 UTC
From: Mark Conner
Topic: 1115 Message: 1115

Hi all,

Good luck with your flight this weekend.

Is someone planning to record the repeater traffic? If someone has a radio and a scanner within range, it could help with failure analysis, plus it's nice to have a complete record of the traffic. Beats trying to write callsigns while driving.

Here's what I use:
http://www.sagebrush.com/recall.htm

73 de Mark N9XTN

Mark D. Conner
E-mail: n9xtn@...
Homepage: http://members.home.net/mconner1
"Arrogance and stupidity, all in the same package.....how efficient of you!" - Ambassador Londo Mollari, Babylon 5

1116. Re: [tvnsp] Recording simplex repeater traffic

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-12 23:53:15 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1115 Message: 1116

> Good luck with your flight this weekend.
>
> Is someone planning to record the repeater traffic? If someone has a radio
> and a scanner within range, it could help with failure analysis, plus it's
> nice to have a complete record of the traffic. Beats trying to write
> callsigns while driving.

Good piont. I asked a couple weeks ago about traffic control for
the repeater. We'll also need someone to call the pager during the
flight. Can some one planning to stay at home do this?

Paul

1117. Re: RC Receiver

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-13 00:17:58 UTC
From: paulson58@juno.com
Topic: 1105 Message: 1117

> Sounds good. I need to pick up the reciever and cable from you.
> Where and when can we meet?
>
> Paul

Well, lets see. How soon do you want it? I can bring it to the place
of yor choice, at a time thats good for you. I live in Nampa just
north of the Cheese Factory. (MMMMM Cheese)
I can bring it to the school if you want or your place. Makes no
difference to me.

Dan

1118. Prediction, Nov 12

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-13 02:46:04 UTC
From: John Knapp
Topic: 1106 Message: 1118

Paul, I apologize for the confusion this morning. I miss read your email about doing a night launch.

Anyway, my predictions for tonight:

If launched from Succor Creek, the balloon would land north of Anderson Ranch Dam in the mountains. The results showed the following for 1200fpm ascent, 90,000 ft burst and 800 fpm descent:

Lat 43.9848
Long -115.8411

Bearing 49 degrees
Distance of 80 miles
Time of flight 142 minuts.

Did anyone else do this prediction?

With the above information, if launched from the vacinity of Brunea State Park the balloon would land north of Fairview and about 10 miles west of Highway 75.

As indicated earlier, the MRF is showing a change in the upper winds and the prediction should be similar to the last flight we did with the winds shifting from the Southwest to the Northwest.

John Knapp
KD7HGS

_____
Do You Yahoo!?
Find the one for you at Yahoo! Personals
http://personals.yahoo.com

1119. Re: [tvnsp] Recording simplex repeater traffic

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-13 05:22:27 UTC
From: Doug Rich
Topic: 1115 Message: 1119

I can
Doug
At 04:53 PM 11/12/01 -0700, verhap@... wrote:
> > Good luck with your flight this weekend.
> >
> > Is someone planning to record the repeater traffic? If someone has a radio
> > and a scanner within range, it could help with failure analysis, plus it's
> > nice to have a complete record of the traffic. Beats trying to write
> > callsigns while driving.
>
>Good piont. I asked a couple weeks ago about traffic control for
>the repeater. We'll also need someone to call the pager during the
>flight. Can some one planning to stay at home do this?
>
>Paul
>
>To unsubscribe from this group, send an email to:
>tvnsp-unsubscribe@egroups.com
>
>
>
>Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

1120. Status, 13 Nov

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-13 14:55:32 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1120 Message: 1120

I have the capsule put together, I need to make some programming changes and run one test on the cutdown. I also need to cycle the batteries and get them ready for flight.

On this launch, use 800 fpm ascent and 1200 fpm descent. Max altitude, use 90,000 feet.

We'll have a meeting at Idaho Pizza in Caldwell on Friday, say 7:00 PM?

Paul

1121. Status, 13 Nov pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-13 15:00:35 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1121 Message: 1121

Doug, will you be recording the repeater traffic mobile or at home?
Do you plan to chase?

We need someone to call the pager at 50,000 feet. By the way,
Jeff, can you call the pager as see if it will ring? I want to make
sure it hasn't been turned off.

Anyway, we need someone to call the pager. It would also be nice
to have someone act as traffic controller on the repeater. Doug?

Paul

1122. Re: [tvnsp] Re: RC Receiver

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-13 15:03:17 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1105 Message: 1122

> > Sounds good. I need to pick up the reciever and cable from you.
> > Where and when can we meet?
> >
> > Paul
>
> Well, lets see. How soon do you want it? I can bring it to the place
> of yor choice, at a time thats good for you. I live in Nampa just
> north of the Cheese Factory. (MMMMM Cheese)
> I can bring it to the school if you want or your place. Makes no
> difference to me.

Dan, I'm at school right now. If you'd like, you can drop it off at the front desk. The school is on Victory, just west of Cole. We're on the south side of the road, up a small hill. There's a sign in the drive. We're opposite from the road, S. Saturn. Jupiter is closer to Cole. From the road, the first building you'll see is the new district office. We're behind it, a bit more to the south.

Paul

1123. Re: [tvnsp] Status, 13 Nov pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-13 15:23:40 UTC
From: Doug Rich
Topic: 1121 Message: 1123

At 08:00 AM 11/13/01 -0700, verhap@... wrote:
>Doug, will you be recording the repeater traffic mobile or at home?
>Do you plan to chase?

I will be at home. I will setup to record the simplex repeater
traffic. No laptop so I guess the chase is out.

>We need someone to call the pager at 50,000 feet. By the way,
>Jeff, can you call the pager as see if it will ring? I want to make
>sure it hasn't been turned off.
>
>Anyway, we need someone to call the pager. It would also be nice
>to have someone act as traffic controller on the repeater. Doug?

I can do both.

>Paul
>
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>
>
>
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1124. Re: RC Receiver

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-13 15:27:25 UTC
From: paulson58@juno.com
Topic: 1105 Message: 1124

Dan, I'm at school right now. If you'd like, you can drop it off at the front desk. The school is on Victory, just west of Cole. We're on the south side of the road, up a small hill. There's a sign in the drive. We're opposite from the road, S. Saturn. Jupiter is closer to Cole. From the road, the first building you'll see is the new district office. We're behind it, a bit more to the south.
Paul

Paul-

You got it, I'll bring it by today. Is there a building number for that office? Maybe a Name of a receptionist or Secretary to leave it with?

Dan

1125. Re: [tvnsp] Status, 13 Nov pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-13 16:49:58 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1121 Message: 1125

> >Anyway, we need someone to call the pager. It would also be nice
> >to have someone act as traffic controller on the repeater. Doug?
>
> I can do both.

Great. Doug is hereby elected near space net control. Jeff, can
you email the pager phone number, I don't remember it.

Also, Jeff, I dropped off the beads. They're in front of the bunny
cages. Your rabbits chased me out of the backyard.

Paul

1126. Re: [tvnsp] Re: RC Receiver

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-13 16:50:44 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1105 Message: 1126

> You got it, I'll bring it by today. Is there a building number for
> that office? Maybe a Name of a receptionist or Secretary to leave it
> with?

Teri is at the desk. If it's between classes, I'll show you around.

Paul

1127. Re: RC Receiver

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-13 18:16:13 UTC
From: paulson58@juno.com
Topic: 1105 Message: 1127

> Teri is at the desk. If it's between classes, I'll show you around.
>
> Paul

Paul-

That sounds like fun. I have flexibilty in my schedule. When are you between classes. I'll just show up then and take the tour.

Dan

1128. Re: [tvnsp] Status, 12 Nov pt 3

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-13 18:32:17 UTC
From: Jeff Melanson
Topic: 1110 Message: 1128

Paul,

The bunnies made a necklace out of the beads but I retrieved them.

I have one Thermochron. That makes four. I would also like to measure the temperature inside my capsule both inside and outside of the battery box. Can we make use of the temperature array?

I have completed the bead holder. I'm almost done with the battery box.

I finished and tested the PCD (payload cutdown device). It works with my small glider. Weight is not a problem. We'll save your big glider for another mission.

Jeff
KD7INN

verhap@... wrote:
>
> Jeff, I'll drop UV beads off at your house tonight. They'll be guarded
> by the bunnies.
>
> One of my students lent me two thermochrons. With mine at
> home, that makes three. Jeff, did you get a thermochron? I was
> thinking you have one with your reader, but I don't recall.
>
> I'll make a cable for the RC reciever tonight.
>
> Paul
>
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>
>
>
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1129. Re: [tvnsp] Status, 13 Nov pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-13 18:40:59 UTC
From: Jeff Melanson
Topic: 1121 Message: 1129

Paul,

I have called the pager and tested the PCD (Payload Cutdown Device).
It's working good.

Jeff

verhap@... wrote:
>
> We need someone to call the pager at 50,000 feet. By the way,
> Jeff, can you call the pager as see if it will ring? I want to make
> sure it hasn't been turned off.
>

1130. Re: [tvnsp] Status, 13 Nov pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-13 18:53:37 UTC
From: Jeff Melanson
Topic: 1121 Message: 1130

Doug,

The pager number is 467-9820.

The plan is to call the pager every 10,000 ft and enter a number representing the current altitude on the way up, for example 30,000 ft would be 333-3333. The first time you call it will drop a small glider. After that were just recording the altitude. We are not going to try to recover the glider. It's value is $1.69. I don't know at what altitude Paul wants to make the first pager call.

Jeff
KD7INN

verhap@... wrote:
>
> > >Anyway, we need someone to call the pager. It would also be nice
> > >to have someone act as traffic controller on the repeater. Doug?
> >
> > I can do both.
>
> Great. Doug is hereby elected near space net control. Jeff, can
> you email the pager phone number, I don't remember it.
>
> Also, Jeff, I dropped off the beads. They're in front of the bunny
> cages. Your rabbits chased me out of the backyard.
>
> Paul
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

1131. Re: [tvnsp] Re: RC Receiver

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-13 19:16:43 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1105 Message: 1131

> That sounds like fun. I have flexibilty in my schedule. When are you
> between classes. I'll just show up then and take the tour.

Try between 2:30 and 3:30.

Paul

1132. Re: [tvnsp] Status, 12 Nov pt 3

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-13 19:19:12 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1110 Message: 1132

> The bunnies made a necklace out of the beads but I retrieved them.

Leave it up to rabbits to do the wrose possible thing.

> I have one Thermochron. That makes four. I would also like to measure
> the temperature inside my capsule both inside and outside of the battery
> box. Can we make use of the temperature array?

My array won't reach high enough. I'll use three thermochrons and
the array on the thermo experiment. That will give me a good
comparison.

> I finished and tested the PCD (payload cutdown device). It works with my
> small glider. Weight is not a problem. We'll save your big glider for
> another mission.

Did you try calling the pager? I want to make sure its service has
not been shut off.

Paul

1133. Re: [tvnsp] Status, 13 Nov pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-13 19:19:54 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1121 Message: 1133

> I have called the pager and tested the PCD (Payload Cutdown Device).
> It's working good.

Ignore my previous question, you just answered it.

Paul

1134. Re: [tvnsp] Status, 13 Nov pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-13 19:25:39 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1121 Message: 1134

> The pager number is 467-9820.
>
> The plan is to call the pager every 10,000 ft and enter a number
> representing the current altitude on the way up, for example 30,000 ft
> would be 333-3333. The first time you call it will drop a small glider.
> After that were just recording the altitude. We are not going to try to
> recover the glider. It's value is $1.69. I don't know at what altitude
> Paul wants to make the first pager call.

No no no....

I don't want to make the first call. I'm concerned about the balsa glider crashing into a nuclear power plant and causing an accident!

Actually, let's make the first call at 50,000 feet to release the glider. After that call every 10,000 feet to the max altitude of 125,000 feet (I wish). Also, let's have Doug make all the calls, it's more certain to work that way. We may be in and out of cell phone range.

Paul

1135. Ultraviolet Beads

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-13 20:38:54 UTC
From: Jeff Melanson
Topic: 1135 Message: 1135

Paul,

You dropped off 8 Beads. That's 4 beads for each bunnie. I have room on the bead holder for 9 more. Do you want to add more beads?

Jeff
KD7INN

1136. Re: [tvnsp] Status, 13 Nov pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-13 20:43:22 UTC
From: Tim Rynearson
Topic: 1121 Message: 1136
Attachments: 1 described; binary payloads are missing from this source WARC

Here's an idea for calling the pager that I think would be kinda fun, and useful at the same time. If the person thats calling is in range of a repeater with an auto patch, do it that way !!!! Everyone monitoring that frequency will know when the pager is activated.

Tim.....

-------Original Message-------

From:verhap@...
Date: Tuesday, November 13, 2001 07:26:50 AM
To:tvnsp@yahoogroups.com
Subject: [tvnsp] Status, 13 Nov pt 2

Doug, will you be recording the repeater traffic mobile or at home?
Do you plan to chase?

We need someone to call the pager at 50,000 feet. By the way,
Jeff, can you call the pager as see if it will ring? I want to make
sure it hasn't been turned off.

Anyway, we need someone to call the pager. It would also be nice
to have someone act as traffic controller on the repeater. Doug?

Paul

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1137. Flight Prediction

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-13 21:01:19 UTC
From: Jeff Melanson
Topic: 1137 Message: 1137

Hi all,

I ran a prediction with the following parameters.

Ascent rate: 800
Descent rate: 1200
Burst Alt. 90,000

Location: Succor Creek
Lat 43.23008
Lon -117.06147
Alt. 4800 ft

Upper Air Station KBOI @ 1200 Zulu

The result was a trip of 51 miles bearing 39 degrees.

This places it about 2-1/2 miles on the east side of Hwy 16 near
Freezeout Hill. I expect a lot of change this week. It's probably better
to study the MRF till we get closer to lift off.

Were not going to let a little rain stop us are we?

Jeff
KD7INN

1138. Re: [tvnsp] Flight Prediction

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-13 21:14:04 UTC
From: John Knapp
Topic: 1137 Message: 1138

I ran the same prediction a little while ago and had
the same results.

The MRF looks like there are some changes on the way.

JohnK
--- Jeff Melanson <kd7inn@...> wrote:
> Hi all,
>
> I ran a prediction with the following parameters.
>
> Ascent rate: 800
> Descent rate: 1200
> Burst Alt. 90,000
>
> Location: Succor Creek
> Lat 43.23008
> Lon -117.06147
> Alt. 4800 ft
>
> Upper Air Station KBOI @ 1200 Zulu
>
> The result was a trip of 51 miles bearing 39
> degrees.
>
> This places it about 2-1/2 miles on the east side of
> Hwy 16 near
> Freezeout Hill. I expect a lot of change this week.
> It's probably better
> to study the MRF till we get closer to lift off.
>
> Were not going to let a little rain stop us are we?
>
> Jeff
> KD7INN
>

_____
Do You Yahoo!?
Find the one for you at Yahoo! Personals
http://personals.yahoo.com

1139. Re: [tvnsp] Flight Prediction

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-13 21:20:18 UTC
From: Tim Rynearson
Topic: 1137 Message: 1139
Attachments: 1 described; binary payloads are missing from this source WARC

that would be a PERFECT landing location.....from an Emmett boy....

Tim....

-------Original Message-------

From:Jeff Melanson
Date: Tuesday, November 13, 2001 01:20:02 PM
To:tvnsp@yahoogroups.com
Subject: [tvnsp] Flight Prediction

Hi all,

I ran a prediction with the following parameters.

Ascent rate: 800
Descent rate: 1200
Burst Alt. 90,000

Location: Succor Creek
Lat 43.23008
Lon -117.06147
Alt. 4800 ft

Upper Air Station KBOI @ 1200 Zulu

The result was a trip of 51 miles bearing 39 degrees.

This places it about 2-1/2 miles on the east side of Hwy 16 near
Freezeout Hill. I expect a lot of change this week. It's probably better
to study the MRF till we get closer to lift off.

Were not going to let a little rain stop us are we?

Jeff
KD7INN

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1140. Re: [tvnsp] Ultraviolet Beads

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-13 21:43:27 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1135 Message: 1140

> You dropped off 8 Beads. That's 4 beads for each bunnie. I have room on
> the bead holder for 9 more. Do you want to add more beads?

Naw, eight should be enough. That will be two of each color.

Paul

1141. Re: [tvnsp] Flight Prediction

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-13 21:53:57 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1137 Message: 1141

> Were not going to let a little rain stop us are we?

If we can launch without rain, then we're go. However, I don't remember what FAR 101 said about cloud cover. There may be no limitation since we're under the two six pound rule, but I need to reread.

Paul

1142. Re: [tvnsp] Status, 13 Nov pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-14 00:36:11 UTC
From: Doug Rich
Topic: 1121 Message: 1142

ok

At 11:53 AM 11/13/01 -0700, you wrote:
>Doug,
>
>The pager number is 467-9820.
>
>The plan is to call the pager every 10,000 ft and enter a number
>representing the current altitude on the way up, for example 30,000 ft
>would be 333-3333. The first time you call it will drop a small glider.
>After that were just recording the altitude. We are not going to try to
>recover the glider. It's value is $1.69. I don't know at what altitude
>Paul wants to make the first pager call.
>
>Jeff
>KD7INN
>
>verhap@... wrote:
> >
> > > >Anyway, we need someone to call the pager. It would also be nice
> > > >to have someone act as traffic controller on the repeater. Doug?
> > >
> > > I can do both.
> >
> > Great. Doug is hereby elected near space net control. Jeff, can
> > you email the pager phone number, I don't remember it.
> >
> > Also, Jeff, I dropped off the beads. They're in front of the bunny
> > cages. Your rabbits chased me out of the backyard.
> >
> > Paul
> >
> >
> > To unsubscribe from this group, send an email to:
> > tvnsp-unsubscribe@egroups.com
> >
> >
> >
> > Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
>To unsubscribe from this group, send an email to:
>tvnsp-unsubscribe@egroups.com
>
>

>
>Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

1143. Re: [tvnsp] Status, 13 Nov pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-14 00:40:54 UTC
From: Doug Rich
Topic: 1121 Message: 1143

Because 147.240 is the chase frequency and does not have a patch, no one monitoring the chase will hear the call. Those that hear the call will not know what it is about.

Doug

At 01:43 PM 11/13/01 -0700, Tim Rynearson wrote:
>Here's an idea for calling the pager that I think would be kinda fun, and
>useful at the same time. If the person thats calling is in range of a
>repeater with an auto patch, do it that way !!!! Everyone monitoring that
>frequency will know when the pager is activated.
>
>Tim........
>
>-------Original Message-------
>
>From:<mailto:verhap@...>verhap@...
>Date: Tuesday, November 13, 2001 07:26:50 AM
>To:<mailto:tvnsp@yahoogroups.com>tvnsp@yahoogroups.com
>Subject: [tvnsp] Status, 13 Nov pt 2
>
>Doug, will you be recording the repeater traffic mobile or at home?
>Do you plan to chase?
>
>We need someone to call the pager at 50,000 feet. By the way,
>Jeff, can you call the pager as see if it will ring? I want to make
>sure it hasn't been turned off.
>
>Anyway, we need someone to call the pager. It would also be nice
>to have someone act as traffic controller on the repeater. Doug?
>
>Paul
>
>To unsubscribe from this group, send an email to:
>tvnsp-unsubscribe@egroups.com
>
>
>
>Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
>_____
> IncrediMail - Email has finally evolved -
> <http://www.incredimail.com/redir.asp?ad_id=540>Click Here
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>tvnsp-unsubscribe@egroups.com
>
>
>
>Your use of Yahoo! Groups is subject to the
><http://docs.yahoo.com/info/terms/>Yahoo! Terms of Service.

1144. Launch Date?

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-14 01:59:45 UTC
From: Stephanie Steele
Topic: 1144 Message: 1144

I just found out all my Yahoo group mail has been bouncing. What is the status of the launch scheduled for the 17th?

--
Stephanie

****

"They that can give up essential liberty to obtain a little temporary safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

Send and receive money safely over the Internet by using PayPal. I use it and highly recommend it as a safe and reliable means to conduct business. By using the link below we both will receive a $5 sign up bonus.

https://www.paypal.com/refer/pal=kc7dba%40arrl.net

1145. Re: RC Receiver

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-14 06:19:38 UTC
From: paulson58@juno.com
Topic: 1105 Message: 1145

> > That sounds like fun. I have flexibilty in my schedule. When are
you
> > between classes. I'll just show up then and take the tour.
>
> Try between 2:30 and 3:30.
>
> Paul

I didn't get back to this board until 3:30. My wife kindly reminded me one of my Children is turning 10 on the 14th. I had to madly scramble. Where do the years go? Heck, where do the minutes go? I'll just drop the receiver by the desk with Teri. I'll get a note to you.

Dan / KD7OST

1146. Re: [tvnsp] Launch Date?

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-14 07:07:04 UTC
From: Jeff melanson
Topic: 1144 Message: 1146

Stephanie,

The launch is a go so far as the weather holds out. There will be a pre-launch meeting Friday night at 7:00 pm at Idaho Pizza. We have not determined a launch site yet because the weather is changing to much.

Jeff
KD7INN

Stephanie Steele wrote:
> I just found out all my Yahoo group mail has been bouncing. What is the status of the launch scheduled for the 17th?
>
> --
> Stephanie
>
> ********************************
>
> "They that can give up essential liberty to obtain a little temporary safety deserve neither liberty nor safety."
>
> Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.
>
> "Those who desire to give up freedom in order to gain security will not have, nor do they deserve, either one."
>
> President Thomas Jefferson.
> 1743-1826
>
> ********************************
>
> Send and receive money safely over the Internet by using PayPal. I use it and highly recommend it as a safe and reliable means to conduct business. By using the link below we both will receive a $5 sign up bonus.
>
> https://www.paypal.com/refer/pal=kc7dba%40arrl.net
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

1147. Re: [tvnsp] Flight Prediction

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-14 07:09:50 UTC
From: Bill Herrmann
Topic: 1137 Message: 1147

At 02:01 PM 11/13/01 -0700, you wrote:
>I ran a prediction with the following parameters.

Permit me to point out that the
http://www-das.uwyo.edu/upperair/sounding.html page referenced on
http://www.the-one.com/tvnsp/predict.htm no longer exists. I found a NOAA
page that may have the right info, but before I chase down that path...
Where do I get the wind data from?

>Ascent rate: 800
>Descent rate: 1200
>Burst Alt. 90,000

Predictions based on previous flights?

>This places it about 2-1/2 miles on the east side of Hwy 16 near
>Freezeout Hill. I expect a lot of change this week. It's probably better
>to study the MRF till we get closer to lift off.

Like Tim said - this sound like a good place to me. (I'm in Eagle...)

>Were not going to let a little rain stop us are we?

Doesn't bother me. Lowest morning temperature this week has been 36 degrees
F. Lot better than last week!

Bill
KD7MJC

1148. Re: [tvnsp] Flight Prediction

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-14 07:25:06 UTC
From: Jeff melanson
Topic: 1137 Message: 1148

Bill,

I download the data from the following website:

http://www.stormchaser.niu.edu/machine/textsound.htm

Typical acent rate is 800 to 1000 fpm and descent is 1200 fpm. These are based on experience. The burst altitude is determined by balloon size, payload weight, and experience. This particular balloon has a thicker skin that previous balloons. It will be interesting to see how it actually performs.

Jeff
KD7INN

Bill Herrmann wrote:
>
> At 02:01 PM 11/13/01 -0700, you wrote:
> >I ran a prediction with the following parameters.
>
> Permit me to point out that the
> http://www-das.uwyo.edu/upperair/sounding.html page referenced on
> http://www.the-one.com/tvnsp/predict.htm no longer exists. I found a NOAA
> page that may have the right info, but before I chase down that path...
> Where do I get the wind data from?
>
> >Ascent rate: 800
> >Descent rate: 1200
> >Burst Alt. 90,000
>
> Predictions based on previous flights?
>
> >This places it about 2-1/2 miles on the east side of Hwy 16 near
> >Freezeout Hill. I expect a lot of change this week. It's probably better
> >to study the MRF till we get closer to lift off.
>
> Like Tim said - this sound like a good place to me. (I'm in Eagle...)
>
> >Were not going to let a little rain stop us are we?
>
> Doesn't bother me. Lowest morning temperature this week has been 36 degrees
> F. Lot better than last week!
>
> Bill
> KD7MJC
>

>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

1149. Re: [tvnsp] Flight Prediction

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-14 13:27:37 UTC
From: Ralph Wallio, W0RPK
Topic: 1137 Message: 1149

> Permit me to point out that the
> http://www-das.uwyo.edu/upperair/sounding.html page referenced on
> http://www.the-one.com/tvnsp/predict.htm no longer exists. I found a NOAA
> page that may have the right info, but before I chase down that path...
> Where do I get the wind data from?

See http://raob.fsl.noaa.gov/ for access to current and archived RAOB data.
The fsl format is substantially different than what we were familiar with
via UWy but it is fully described at
http://raob.fsl.noaa.gov/intl/fsl_format.cgi . The first several lines of
data for Boise 14Nov01 0z:

```
254 0 14 NOV 2001
1 24131 72681 43.57 -116.22 871 99999
2 100 2150 2120 85 99999 3
3 BOI 6 kt
9 9150 871 132 22 20 4
4 10000 123 99999 99999 99999 99999
4 9250 783 99999 99999 99999 99999
6 9103 914 99999 99999 15 4
6 8777 1219 99999 99999 335 5
4 8500 1487 68 8 300 7
6 8148 1828 99999 99999 280 11
6 7845 2133 99999 99999 260 18
5 7600 2389 -13 -25 99999 99999
6 7553 2438 99999 99999 250 21
```

TNX es 73 de Ralph Wallio, W0RPK
wallio@...
http://users.crosspaths.net/~wallio

1150. Re: [tvnsp] Flight Prediction

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-14 14:07:49 UTC
From: Doug Rich
Topic: 1137 Message: 1150

Use http://stoat.uwyo.edu/cgi-bin/city?ID=KBOI for sounding from Wyoming.

Doug

At 12:09 AM 11/14/01 -0700, Bill Herrmann wrote:
>At 02:01 PM 11/13/01 -0700, you wrote:
> >I ran a prediction with the following parameters.
>
>Permit me to point out that the
>http://www-das.uwyo.edu/upperair/sounding.html page referenced on
>http://www.the-one.com/tvnsp/predict.htm no longer exists. I found a NOAA
>page that may have the right info, but before I chase down that path...
>Where do I get the wind data from?
>
> >Ascent rate: 800
> >Descent rate: 1200
> >Burst Alt. 90,000
>
>Predictions based on previous flights?
>
> >This places it about 2-1/2 miles on the east side of Hwy 16 near
> >Freezeout Hill. I expect a lot of change this week. It's probably better
> >to study the MRF till we get closer to lift off.
>
>Like Tim said - this sound like a good place to me. (I'm in Eagle...)
>
> >Were not going to let a little rain stop us are we?
>
>Doesn't bother me. Lowest morning temperature this week has been 36 degrees
>F. Lot better than last week!
>
>Bill
>KD7MJC
>
>
>
>
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>
>
>
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1151. Re: [tvnsp] Flight Prediction

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-14 15:01:08 UTC
From: Ralph Wallio, W0RPK
Topic: 1137 Message: 1151

Doug,

When I access the URL I get a link list of available data. When I select SOUNDINGS and either LISTING or SKEW-T I get RAOB data for 0000Z 31 DEC 99. I do not see a way to change the requested date. Do you have instructions for the old and tired?

TNX es 73 de Ralph Wallio, W0RPK
wallio@crosspaths.net
http://users.crosspaths.net/~wallio

----- Original Message -----
From: Doug Rich
To: tvnsp@yahoogroups.com ; tvnsp@yahoogroups.com
Sent: Wednesday, November 14, 2001 8:07 AM
Subject: Re: [tvnsp] Flight Prediction

Use http://stoat.uwyo.edu/cgi-bin/city?ID=KBOI for sounding from Wyoming.

Doug

1152. Re: [tvnsp] Flight Prediction

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-14 15:21:44 UTC
From: Doug Rich
Topic: 1137 Message: 1152

At 09:01 AM 11/14/01 -0600, Ralph Wallio, W0RPK wrote:
>Doug,
>
>When I access the URL I get a link list of available data. When I select
>SOUNDINGS and either LISTING or SKEW-T I get RAOB data for 0000Z 31 DEC
>99. I do not see a way to change the requested date. Do you have
>instructions for the old and tired?

For more information start one page sooner at:
http://stoat.uwyo.edu/surface/city.html

It does not look like you will get more than the most current informaiton.

>
>TNX es 73 de Ralph Wallio, W0RPK
><mailto:wallio@...>wallio@...
>http://users.crosspaths.net/~wallio
>
>>----- Original Message -----
>>From: <mailto:doug@...>Doug Rich
>>To: <mailto:tvnsp@yahoogroups.com>tvnsp@yahoogroups.com ;
>><mailto:tvnsp@yahoogroups.com>tvnsp@yahoogroups.com
>>Sent: Wednesday, November 14, 2001 8:07 AM
>>Subject: Re: [tvnsp] Flight Prediction
>>
>>Use http://stoat.uwyo.edu/cgi-bin/city?ID=KBOI for sounding from Wyoming.
>>
>>Doug
>>
>
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>
>
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1153. Re: [tvnsp] Flight Prediction

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-14 16:04:50 UTC
From: Mark Conner
Topic: 1137 Message: 1153

The stoat.uwyo.edu site appears to have problems. Most of the data is from two days ago, except for the upper-air which is from 31 Dec 99 0000Z. I checked against other sites to see if the data was just labeled wrong - the data that's there is not this morning's sounding.

On a related topic, using forecast soundings directly in WBALTRAK is easier than taking a current sounding and adjusting it mentally.

Within 48 hours of launch, use http://www.stormchaser.niu.edu/machine/textfcstsound2.html and choose the "Eta" model.

For beyond 48 hours, go to: http://gus.arlhq.noaa.gov/ready-bin/profsrc.pl?metdata=MRF+191+km Enter the nearest 3-letter airport ID at the first page (or lat/lon to nearest degree - precision not necessary here). Then select the date/time of the launch at "Choose the time (start for animation) to plot". Hit "Request Plot" at the bottom, then when the graphic comes up click on "sounding text". Feed that text to WBALTRAK and you're set.

Using current soundings 3-7 days out and adjusting them mentally is like using a chain saw after you've marked your cuts with a micrometer. I've tried it myself and never had any luck, so I went to using the forecast soundings. Still more precision than accuracy, but it's better.

If the forecast sounding does not go high enough, you can tack on the current sounding's data on top of the forecast sounding. Typically, winds don't change much day to day above 60,000 ft. Even if you do have forecast data above 60kft, I think it's better to replace it with the lastest "real" data as the models don't have much resolution or accuracy above that level.

You can also get the current BOI sounding at: http://weather.unisys.com/upper_air/skew/skew_KBOI.txt

If you have questions just drop me a note.

73 de Mark N9XTN

1154. Status, 14 Nov

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-14 17:23:49 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1154 Message: 1154

I'm finishing the battery warm box between classes today. The dropzond port is finished and attached to a capsule boom. I tested the seperation mechanism and got that nice orange glow that comes from 8 amps flowing through 3" of 30 gauge nichrome. The camera is loaded with film and batteries have been replaced except in the GPS. The GPS batteries still have a good 12 hours of life in them.

The flight batteries all show a high charge, which surprises me, since I don't recall recharging them. As I have not taught the rabbits how to do that, I don't think they recharged them either. I'll run the batteries down and recharge them over the next day or two.

The flight program was updated last night. I added code for the RC test. I still have to tie the dropzond onto the port and add the RC reciever before I can close out the capsule.

John Stone, will you be doing the launch? We should pick up a half tank of helium, just in case. Mike, can you do that? I'd also like to see if we can collect a few dollars to pay for the tank.

Doug, can you make this Friday's meeting? I'd like to discuss with you the mission control part of the flight.

We need a little extra helium just in case.

Paul

1155. Re: [tvnsp] Status, 14 Nov

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-14 18:40:44 UTC
From: Doug Rich
Topic: 1154 Message: 1155

At 10:23 AM 11/14/01 -0700, you wrote:
>I'm finishing the battery warm box between classes today. The
>dropzond port is finished and attached to a capsule boom. I tested
>the seperation mechanism and got that nice orange glow that
>comes from 8 amps flowing through 3" of 30 gauge nichrome. The
>camera is loaded with film and batteries have been replaced except
>in the GPS. The GPS batteries still have a good 12 hours of life in
>them.
>
>The flight batteries all show a high charge, which surprises me,
>since I don't recall recharging them. As I have not taught the
>rabbits how to do that, I don't think they recharged them either. I'll
>run the batteries down and recharge them over the next day or two.
>
>The flight program was updated last night. I added code for the RC
>test. I still have to tie the dropzond onto the port and add the RC
>reciever before I can close out the capsule.
>
>John Stone, will you be doing the launch? We should pick up a
>half tank of helium, just in case. Mike, can you do that? I'd also
>like to see if we can collect a few dollars to pay for the tank.
>
>Doug, can you make this Friday's meeting? I'd like to discuss with
>you the mission control part of the flight.

No, I can't. If you are coming to the VOI meeting, we can talk then.
Doug

>We need a little extra helium just in case.
>
>Paul
>
>
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>
>
>
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1156. Liftwin Program

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-14 21:47:46 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1156 Message: 1156

Has anyone used Liftwin? It's a program used to predict ascent rates and max altitudes, based on payload weight, volume of helium, and balloon size. I haven't used this program in many years (since I left Kansas). I'm arranging for a presentation on this program. I'd like to see TVNSP test the program next year.

Paul

1157. Re: [tvnsp] Status, 14 Nov

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-14 22:15:46 UTC
From: Mike Garske
Topic: 1154 Message: 1157

Paul,

I have 1 full tank and a tank thats probably over 2/3 full....We need more than that???? If so, I can pick it up, let me know.

Mike KC7DPD
----- Original Message -----
From: <verhap@...>
To: <tvnsp@yahoogroups.com>
Sent: Wednesday, November 14, 2001 10:23 AM
Subject: [tvnsp] Status, 14 Nov

> I'm finishing the battery warm box between classes today. The
> dropzond port is finished and attached to a capsule boom. I tested
> the seperation mechanism and got that nice orange glow that
> comes from 8 amps flowing through 3" of 30 gauge nichrome. The
> camera is loaded with film and batteries have been replaced except
> in the GPS. The GPS batteries still have a good 12 hours of life in
> them.
>
> The flight batteries all show a high charge, which surprises me,
> since I don't recall recharging them. As I have not taught the
> rabbits how to do that, I don't think they recharged them either. I'll
> run the batteries down and recharge them over the next day or two.
>
> The flight program was updated last night. I added code for the RC
> test. I still have to tie the dropzond onto the port and add the RC
> reciever before I can close out the capsule.
>
> John Stone, will you be doing the launch? We should pick up a
> half tank of helium, just in case. Mike, can you do that? I'd also
> like to see if we can collect a few dollars to pay for the tank.
>
> Doug, can you make this Friday's meeting? I'd like to discuss with
> you the mission control part of the flight.
>
> We need a little extra helium just in case.
>
> Paul
>
>
> To unsubscribe from this group, send an email to:
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>
>
>

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>
>
>

1158. Re: [tvnsp] Status, 14 Nov

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-14 22:14:26 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1154 Message: 1158

> I have 1 full tank and a tank thats probably over 2/3 full....We need more
> than that???? If so, I can pick it up, let me know.

Oh, 2/3rds?
I thought we used up about half the tank. In that case, we should
be fine. Thanks for updating me.

Paul

1159. RE: [tvnsp] Launch Date?

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-14 22:30:34 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 1144 Message: 1159

Hope to try to make this meeting. I assume this is the one on the
Caldwell-Nampa Blvd?

Bill B.

> -----Original Message-----
> From: Jeff melanson [mailto:kd7inn@...]
> Sent: Wednesday, November 14, 2001 12:07 AM
> To: tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] Launch Date?
>
>
> Stephanie,
>
> The launch is a go so far as the weather holds out. There will be a
> pre-launch meeting Friday night at 7:00 pm at Idaho Pizza. We have not
> determined a launch site yet because the weather is changing to much.
>
> Jeff
> KD7INN
>
Refill any ink cartridge for less!
Includes black and color ink.
http://us.click.yahoo.com/1_Y1qC/MkNDAA/ySSFAA/RGYolB/TM
---~->

To unsubscribe from this group, send an email to:
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1160. RE: [tvnsp] Next Launch, pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-14 22:40:09 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 1089 Message: 1160

Which 0300, Paul? MST, EST, PST, Zulu? :-) I'm assuming MST?

Bill B.

> ----- Original Message -----
> From: <verhap@...>
> To: <tvnsp@yahoogroups.com>
> Sent: Friday, November 09, 2001 9:56 AM
> Subject: [tvnsp] Next Launch, pt 2
>
>
> > If it wasn't enough to launch on Saturday and have a TVNSP
> > meeting on Sunday, there's a meteor shower Saturday night. The
> > Leonids are most active in 33 year intervals. This year's shower
> > could be major, really major. I plan to watch it from Bogus Basin
> > (or there abouts), that way I'm above the clouds and lights of the
> > valley.
> >
> > Is anyone interested in seeing the meteor shower? If you have a
> > camera with a bulb setting (and a cable release) you can
> > photograph the shower.
> >
> > The predicted maximium for North America is at 3:00 AM Sunday
> > morning.
> >
> > Paul
> >
> > To unsubscribe from this group, send an email to:
> > tvnsp-unsubscribe@egroups.com
> >
> >
> >
> > Your use of Yahoo! Groups is subject to
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> To unsubscribe from this group, send an email to:
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>

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>

1161. RE: [tvnsp] Next Launch, pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-14 22:43:50 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 1089 Message: 1161
Attachments: 1 described; binary payloads are missing from this source WARC

Except for could cover, another good site would be to go out to the top of the drop down to Swan Falls. Even better would be to head east on the dirt road past the repeater(?) building at the turn into the drop. There's a spot out there that gives an awesome view of the horizon, weather permitting. Can't remember just how far out it is, I'm still trying to get the co-ords from a friend, but it's a ways.

Bill B.

-----Original Message-----
From: Tim Rynearson [mailto:n7ubo@...]
Sent: Friday, November 09, 2001 1:28 PM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] Next Launch, pt 2

Squaw Butte is better than Bogus for viewing the leonids, IMHO....its further away from the lights of Boise...

Tim

-------Original Message-------

From: verhap@... <mailto:verhap@...>
Date: Friday, November 09, 2001 09:23:04 AM
To: tvnsp@yahoogroups.com <mailto:tvnsp@yahoogroups.com>
Subject: [tvnsp] Next Launch, pt 2

If it wasn't enough to launch on Saturday and have a TVNSP meeting on Sunday, there's a meteor shower Saturday night. The Leonids are most active in 33 year intervals. This year's shower could be major, really major. I plan to watch it from Bogus Basin (or there abouts), that way I'm above the clouds and lights of the valley.

Is anyone interested in seeing the meteor shower? If you have a camera with a bulb setting (and a cable release) you can photograph the shower.

The predicted maximium for North America is at 3:00 AM Sunday morning.

Paul

To unsubscribe from this group, send an email to:
tvnsp-unsubscribe@egroups.com

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_____
<http://www.incredimail.com/redir.asp?ad_id=540> IncrediMail - Email has finally evolved - <http://www.incredimail.com/redir.asp?ad_id=540> Click Here
To unsubscribe from this group, send an email to:
tvnsp-unsubscribe@egroups.com

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1162. RE: [tvnsp] Launch Date?

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-14 22:41:05 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1144 Message: 1162

> Hope to try to make this meeting. I assume this is the one on the
> Caldwell-Nampa Blvd?

That's it.

Paul

1163. RE: [tvnsp] Next Launch, pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-14 22:41:32 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1089 Message: 1163

> Which 0300, Paul? MST, EST, PST, Zulu? :-) I'm assuming MST?

Sorry, it's MST

Paul

1164. Status 14 Nov, pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-14 23:41:17 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1164 Message: 1164

A couple things we need for the next launch...

We need a picture of crew moving the stack, with care being taken to keep parts of the stack from dragging on the ground.

I'd like to get a video of the entire launch process. This winter I'd like to put together a how-to video.

We need a good picture of the capsule as it parachutes down. I'll keep my fingers crossed on this request.

On the checklist, the following items need to be added....

Connect power for the Dropzond
Set timer on FTU
Connect power for FTU
Open camera after powering up the capsule
Turn on audio beacon

Telemetry will give temperautres for the thermo experiment. the channels are....

CH1: MLI Only
CH2: MLI + Styro peanuts
CH3: No added insulation
CH4: Styro peanuts only

This data is the temperatures in each box

1165. Re: Status 14 Nov, pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-15 00:53:30 UTC
From: paulson58@juno.com
Topic: 1164 Message: 1165

> We need a picture of crew moving the stack, with care being taken
> to keep parts of the stack from dragging on the ground.
>
> I'd like to get a video of the entire launch process. This winter
I'd
> like to put together a how-to video.

Paul-

I have a super 8 Camcorder and an S-video VHS VCR at home. I can get
you pretty good video for an amateur photographer. I also have an
Olympus OM-10 for stills. I would be happy to work both Camera's if
folks will be willing to take a few takes. I don't mind stepping up
and getting in peoples faces for a worthy cause. I had already put
them on the list anyway. Just assign me as the ground cameraman
unless I'm needed elsewhere.
>
> We need a good picture of the capsule as it parachutes down. I'll
> keep my fingers crossed on this request.
>
> On the checklist, the following items need to be added....

**********Turn power on to RC Receiver and transmitter***********
> Connect power for the Dropzond
> Set timer on FTU
> Connect power for FTU
> Open camera after powering up the capsule
> Turn on audio beacon
>
> Telemetry will give temperautres for the thermo experiment. the
> channels are....
>

**********how will RC signal be checked? Telemetry? on board count?

> CH1: MLI Only
> CH2: MLI + Styro peanuts
> CH3: No added insulation
> CH4: Styro peanuts only
>
> This data is the temperatures in each box

Dan / KD7OST

1166. RE: [tvnsp] Next Launch, pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-15 01:20:35 UTC
From: John Knapp
Topic: 1089 Message: 1166

We tried that area last month. The problem is the
winds come up fast at sunrise. We back tracked to Kuna
and there was no wind. But the edge of the canyon was
very windy.

JohnK
--- "BLOHM,BILL (HP-Boise,ex1)" <bill_blohm@...>
wrote:
> Except for could cover, another good site would be
> to go out to the top of
> the drop down to Swan Falls. Even better would be to
> head east on the dirt
> road past the repeater(?) building at the turn into
> the drop. There's a spot
> out there that gives an awesome view of the horizon,
> weather permitting.
> Can't remember just how far out it is, I'm still
> trying to get the co-ords
> from a friend, but it's a ways.
>
> Bill B.
>
> -----Original Message-----
> From: Tim Rynearson [mailto:n7ubo@...]
> Sent: Friday, November 09, 2001 1:28 PM
> To: tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] Next Launch, pt 2
>
>
>
> Squaw Butte is better than Bogus for viewing the
> leonids, IMHO....its
> further away from the lights of Boise...
>
> Tim
>
> -------Original Message-------
>
> From: verhap@...
> <mailto:verhap@...>
> Date: Friday, November 09, 2001 09:23:04 AM
> To: tvnsp@yahoogroups.com
> <mailto:tvnsp@yahoogroups.com>
> Subject: [tvnsp] Next Launch, pt 2
>

> If it wasn't enough to launch on Saturday and have a
> TVNSP
> meeting on Sunday, there's a meteor shower Saturday
> night. The
> Leonids are most active in 33 year intervals. This
> year's shower
> could be major, really major. I plan to watch it
> from Bogus Basin
> (or there abouts), that way I'm above the clouds and
> lights of the
> valley.
>
> Is anyone interested in seeing the meteor shower? If
> you have a
> camera with a bulb setting (and a cable release) you
> can
> photograph the shower.
>
> The predicted maximium for North America is at 3:00
> AM Sunday
> morning.
>
> Paul
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
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> ~~~~~~
> <http://www.incredimail.com/redir.asp?ad_id=540>
> IncrediMail - Email has
> finally evolved -
> <http://www.incredimail.com/redir.asp?ad_id=540>
> Click
> Here
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to the Yahoo!
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> <http://docs.yahoo.com/info/terms/> .
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>

> ATTACHMENT part 2 image/jpeg name=ATT2054466.jpg

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http://personals.yahoo.com

1167. Re: [tvnsp] Liftwin Program

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-15 01:25:13 UTC
From: Hank Riley
Topic: 1156 Message: 1167

> Has anyone used Liftwin? It's a program used to predict ascent
> rates and max altitudes, based on payload weight, volume of
> helium, and balloon size. I haven't used this program in many
> years (since I left Kansas). I'm arranging for a presentation on
> this program. I'd like to see TVNSP test the program next year.

How about testing it right now for the weekend flight?

If someone could just post the balloon weight, the
total payload weight (everything except the balloon),
and optionally the balloon manufacturer, I'll run it.

Here's a link to the software -- it shows a screenshot
which really tells you a lot about the program just
at a glance:

http://www.geocities.com/n1ltv/liftwin.htm

Hank, N1LTV

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http://personals.yahoo.com

1168. (no subject)

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-15 02:02:39 UTC
From: Mark Conner
Topic: 1168 Message: 1168
Attachments: 1 described; binary payloads are missing from this source WARC

Just received my Oncore M12 GPS unit and antenna today. These things are tiny! The antenna is about the width of a quarter and a bit longer. The antenna and GPS unit weigh a total of about 2 oz. The GPS unit was about $80 and the antenna $27.

The connectors are a little hard to find. They are on 0.05" centers instead of 0.10" and are not available from Mouser or Digi-Key. I was able to get samples from another manufacturer - contact me if you need details.

I'm planning to put the GPS unit in a small case with a TinyTrak II. The radio to be used is a VX-1R and is about 5 oz with its own battery. Three AAA batteries will supply 650 mAh at 3.6V, which should be enough to run the GPS, antenna, and Tiny Trak for six hours or more. Since the TinyTrak uses 5V and the GPS/antenna use 3V, I think I'll use a DC-DC converter rather than more batteries to up the voltage.

- Mark

Mark D. Conner
E-mail: n9xtn@...
Homepage: http://members.home.net/mconner1
"Arrogance and stupidity, all in the same package.....how efficient
of you!" - Ambassador Londo Mollari, Babylon 5

1169. Microcontroller group

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-15 03:54:59 UTC
From: paulson58@juno.com
Topic: 1169 Message: 1169

Doug and Paul-

I know its not the best timing with the launch coming up but,
I looked back through some old messages that had been posted
before I got onboard.
Is this something that was going to get under way in the future?
I certainly see a need for me to get some training on the Basic
Stamp as we embark on the beginning of the NSRV project.

Dan / KD7OST

1170. Re: [tvnsp] Next Launch, pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-15 09:47:54 UTC
From: Rick Widmer
Topic: 1089 Message: 1170

I know it is a little further away, but I suggest the best place around for viewing will be at the Bruneau Dunes observatory. We've got good skies except for a little city glow to the north. We will have telescopes out for something to look at before the storm, and a place to warm up if you get too cold. The weekend is supposed to be for astronomers, but I guess if you are out to watch the meteor shower you should be welcome too. The event starts at dusk, and we will probably be doing a special show pointed more towards astronomers than the general public. (As long as at least ten people show up, which looks pretty certain.)

If you can't make it before dark, you are still welcome, but BE SURE TO TURN OFF YOUR HEADLIGHTS WHEN YOU MAKE THE TURN INTO THE OBSERVATORY AREA!

Rick Widmer
Magic Valley Astronomical Society
http://www.mvas.net

> "BLOHM,BILL (HP-Boise,ex1)" wrote:
>
> Except for could cover, another good site would be to go out to the
> top of the drop down to Swan Falls. Even better would be to head east
> on the dirt road past the repeater(?) building at the turn into the
> drop. There's a spot out there that gives an awesome view of the
> horizon, weather permitting. Can't remember just how far out it is,
> I'm still trying to get the co-ords from a friend, but it's a ways.

1171. Re: [tvnsp] Re: Status 14 Nov, pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-15 14:42:01 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1164 Message: 1171

> I have a super 8 Camcorder and an S-video VHS VCR at home.

Okay Dan, we'll make you the cameraman. However, we also
need to get you some training.

> **********how will RC signal be checked? Telemetry? on board count?

The RC test will send telemetry like this,

RC 1024/784

The first number is the number of counts in 1 second, the second
number is the altitude in meters.

We need an APRS tracker at the meeting to finish testing the
capsules.

Paul

1172. Re: [tvnsp] OnCore GPS

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-15 14:49:42 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1168 Message: 1172

> Just received my Oncore M12 GPS unit and antenna today. These things are tiny! The antenna is about the width of a quarter and a bit longer.
The antenna and GPS unit weigh a total of about 2 oz. The GPS unit was about $80 and the antenna $27.
>
> The connectors are a little hard to find. They are on 0.05" centers instead of 0.10" and are not available from Mouser or Digi-Key.
I was able to get samples from another manufacturer - contact me if you need details.
>
> I'm planning to put the GPS unit in a small case with a TinyTrak II. The radio to be used is a VX-1R and is about 5 oz with its own battery.
Three AAA batteries will supply 650 mAh at 3.6V, which should be enough to run the GPS, antenna, and Tiny Trak for six hours or more.
Since the TinyTrak uses 5V and the GPS/antenna use 3V, I think I'll use a DC-DC converter rather than more batteries to up the voltage.

It sounds good as a backup tracker. The GPS is the same price
as the Etrex. However the weight is significantly lighter than the
Etrex.

Paul

1173. Re: [tvnsp] Microcontroller group

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-15 14:52:06 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1169 Message: 1173

> Doug and Paul-
>
> I know its not the best timing with the launch coming up but,
> I looked back through some old messages that had been posted
> before I got onboard.
> Is this something that was going to get under way in the future?
> I certainly see a need for me to get some training on the Basic
> Stamp as we embark on the beginning of the NSRV project.

This is a group Doug has started. we meet about an hour before
the VOI meetings (2nd Wed of the month). I'd recommend it.
We're just starting, but I think the group will get into programming
stamps.

Paul

1174. Re: [tvnsp] Next Launch, pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-15 14:55:44 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1089 Message: 1174

> I know it is a little further away, but I suggest the best place around
> for viewing will be at the Bruneau Dunes observatory.

This is where I'm planning to go. Do you know what the weather is
suppose to be like, as far as clouds?

Paul

1175. Re: [tvnsp] Liftwin Program

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-15 16:15:43 UTC
From: Hank Riley
Topic: 1156 Message: 1175

> How about testing it right now for the weekend flight?
>
> If someone could just post the balloon weight, the
> total payload weight (everything except the balloon),
> and optionally the balloon manufacturer, I'll run it.

Okay, Paul has supplied me a few numbers for this Saturday's flight. I've asked him for a clarification on those numbers, but for now LIFTWIN is telling us that the helium needed will be around 340-380 cubic feet.

There is a range involved because of that additional email I'm expecting later today from Paul. Also, this is for about 1000 feet/minute ascent speed. Due to the time of year, you might want to go a little higher on the rate of rise so as to shorten the time in flight, and therefore the total distance to landing.

LIFTWIN, as the screenshot shows, is a sort of balloon spreadsheet program. Playing with it you can learn a lot about how to juggle balloon inflation values to achieve a desired result.

One of the most important things for flight and recovery planners to remember is that a tracking program needs a good ascent rate in order to get a good landing zone predict! Give Balltrak a good estimated ascent by feeding it a good result from LIFTWIN. If you want to incorporate experience, and I recommend that, at least start with a figure from LIFTWIN, and then finesse that.

And of course, LIFTWIN should never allow you to run short, or even too close for comfort, for helium at hand.

Hank

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http://personals.yahoo.com

1176. Re: [tvnsp] Liftwin Program

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-15 16:54:13 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1156 Message: 1176

Typically we use about 2 pounds of positive lift. But since we're filling outdoors, we can't be exact, so we may dump in extra helium.

Paul

1177. Re: [tvnsp] Next Launch, pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-15 15:21:51 UTC
From: Rick Widmer
Topic: 1089 Message: 1177

verhap@... wrote:
> This is where I'm planning to go. Do you know what the weather is
> suppose to be like, as far as clouds?

From:

http://www.wrh.noaa.gov/boise/

Mountain Home Forecast:

SATURDAY...CLOUDY WITH A 20 PERCENT CHANCE OF RAIN HIGHS
NEAR 60.
SUNDAY...PARTLY CLOUDY... LOWS IN THE 30S... HIGHS IN THE 50S

I hope that the change from cloudy to partly cloudy happens before 3:00
AM... I've had such good luck at Bruneau in the past I think it most
likely will.

Rick

1178. RE: [tvnsp] Next Launch, pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-15 18:05:08 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 1089 Message: 1178

Wind shouldn't be that much a problem for something like this. You can always park your vehicle such as to block the wind, I'd think. Myself, I'm thinking of going either there or out to my sister's. Should be great viewing, there's some predictions for the Boise area at http://www.space.com/scienceastronomy/astronomy/leonids_citytimes-7.html (Thanks to Bill Herrmann for the link).

Bill B.

> -----Original Message-----
> From: John Knapp [mailto:kd7hgs@...]
> Sent: Wednesday, November 14, 2001 6:21 PM
> To: tvnsp@yahoogroups.com
> Subject: RE: [tvnsp] Next Launch, pt 2
>
>
> We tried that area last month. The problem is the
> winds come up fast at sunrise. We back tracked to Kuna
> and there was no wind. But the edge of the canyon was
> very windy.
>
> JohnK
> --- "BLOHM,BILL (HP-Boise,ex1)" <bill_blohm@...>
> wrote:
> > Except for could cover, another good site would be
> > to go out to the top of
> > the drop down to Swan Falls. Even better would be to
> > head east on the dirt
> > road past the repeater(?) building at the turn into
> > the drop. There's a spot
> > out there that gives an awesome view of the horizon,
> > weather permitting.
> > Can't remember just how far out it is, I'm still
> > trying to get the co-ords
> > from a friend, but it's a ways.
> >
> > Bill B.
> >
> > -----Original Message-----
> > From: Tim Rynearson [mailto:n7ubo@...]
> > Sent: Friday, November 09, 2001 1:28 PM
> > To: tvnsp@yahoogroups.com
> > Subject: Re: [tvnsp] Next Launch, pt 2
> >
> >

> >
> > Squaw Butte is better than Bogus for viewing the
> > leonids, IMHO....its
> > further away from the lights of Boise...
> >
> > Tim
> >
> > -------Original Message-------
> >
> > From: verhap@...
> > <mailto:verhap@...>
> > Date: Friday, November 09, 2001 09:23:04 AM
> > To: tvnsp@yahoogroups.com
> > <mailto:tvnsp@yahoogroups.com>
> > Subject: [tvnsp] Next Launch, pt 2
> >
> > If it wasn't enough to launch on Saturday and have a
> > TVNSP
> > meeting on Sunday, there's a meteor shower Saturday
> > night. The
> > Leonids are most active in 33 year intervals. This
> > year's shower
> > could be major, really major. I plan to watch it
> > from Bogus Basin
> > (or there abouts), that way I'm above the clouds and
> > lights of the
> > valley.
> >
> > Is anyone interested in seeing the meteor shower? If
> > you have a
> > camera with a bulb setting (and a cable release) you
> > can
> > photograph the shower.
> >
> > The predicted maximium for North America is at 3:00
> > AM Sunday
> > morning.
> >
> > Paul
> >
> > To unsubscribe from this group, send an email to:
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> >
> >
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> >
> > _____
> > <http://www.incredimail.com/redir.asp?ad_id=540>
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> > ATTACHMENT part 2 image/jpeg name=ATT2054466.jpg
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> Do You Yahoo!?
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> --------~->
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>
>

1179. Re: [tvnsp] Liftwin Program

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-15 18:26:01 UTC
From: Jeff Melanson
Topic: 1156 Message: 1179

How do we know if we have 340 or 380 or whatever amount in the balloon?
What we know is how much positive lift we have by using a scale.

Jeff
KD7INN

Hank Riley wrote:
>
> > How about testing it right now for the weekend flight?
> >
> > If someone could just post the balloon weight, the
> > total payload weight (everything except the balloon),
> > and optionally the balloon manufacturer, I'll run it.
>
> Okay, Paul has supplied me a few numbers for this Saturday's
> flight. I've asked him for a clarification on those numbers,
> but for now LIFTWIN is telling us that the helium needed
> will be around 340-380 cubic feet.
>
> There is a range involved because of that additional email
> I'm expecting later today from Paul. Also, this is for about
> 1000 feet/minute ascent speed. Due to the time of year, you
> might want to go a little higher on the rate of rise so as
> to shorten the time in flight, and therefore the total distance
> to landing.
>
> LIFTWIN, as the screenshot shows, is a sort of balloon
> spreadsheet program. Playing with it you can learn a lot
> about how to juggle balloon inflation values to achieve a
> desired result.
>
> One of the most important things for flight and recovery
> planners to remember is that a tracking program needs
> a good ascent rate in order to get a good landing zone
> predict! Give Balltrak a good estimated ascent by
> feeding it a good result from LIFTWIN. If you want to
> incorporate experience, and I recommend that, at least
> start with a figure from LIFTWIN, and then finesse that.
>
> And of course, LIFTWIN should never allow you to run
> short, or even too close for comfort, for helium at hand.
>
> Hank
>
> _____

> Do You Yahoo!?
> Find the one for you at Yahoo! Personals
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>
>
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>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

1180. Re: [tvnsp] Next Launch, pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-15 18:28:34 UTC
From: Jeff Melanson
Topic: 1089 Message: 1180

Bill and John Knapp,

You guys are talking apples and oranges. John is talking about the best location to launch the balloon. Bill is talking about the best location to view the meteor shower.

Jeff
KD7INN

"BLOHM,BILL (HP-Boise,ex1)" wrote:
>
> Wind shouldn't be that much a problem for something like this. You can
> always park your vehicle such as to block the wind, I'd think. Myself, I'm
> thinking of going either there or out to my sister's. Should be great
> viewing, there's some predictions for the Boise area at
> http://www.space.com/scienceastronomy/astronomy/leonids_citytimes-7.html
> (Thanks to Bill Herrmann for the link).
>
> Bill B.
>
> > -----Original Message-----
> > From: John Knapp [mailto:kd7hgs@...]
> > Sent: Wednesday, November 14, 2001 6:21 PM
> > To: tvnsp@yahoogroups.com
> > Subject: RE: [tvnsp] Next Launch, pt 2
> > >
> > >
> > We tried that area last month. The problem is the
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> > and there was no wind. But the edge of the canyon was
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> > JohnK
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> > > Can't remember just how far out it is, I'm still
> > > trying to get the co-ords
> > > from a friend, but it's a ways.

> > >
> > > Bill B.
> > >
> > > -----Original Message-----
> > > From: Tim Rynearson [mailto:n7ubo@...]
> > > Sent: Friday, November 09, 2001 1:28 PM
> > > To: tvnsp@yahoogroups.com
> > > Subject: Re: [tvnsp] Next Launch, pt 2
> > >
> > >
> > >
> > > Squaw Butte is better than Bogus for viewing the
> > > leonids, IMHO....its
> > > further away from the lights of Boise...
> > >
> > > Tim
> > >
> > > -------Original Message-------
> > >
> > > From: verhap@...
> > > <mailto:verhap@...>
> > > Date: Friday, November 09, 2001 09:23:04 AM
> > > To: tvnsp@yahoogroups.com
> > > <mailto:tvnsp@yahoogroups.com>
> > > Subject: [tvnsp] Next Launch, pt 2
> > >
> > > If it wasn't enough to launch on Saturday and have a
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> > >
> > > Is anyone interested in seeing the meteor shower? If
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> > > photograph the shower.
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> > > The predicted maximium for North America is at 3:00
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> > > Paul
> > >

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> > > <http://www.incredimail.com/redir.asp?ad_id=540>
> > > IncrediMail - Email has
> > > finally evolved -
> > > <http://www.incredimail.com/redir.asp?ad_id=540>
> > > Click
> > > Here
> > > To unsubscribe from this group, send an email to:
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> >
> > > ATTACHMENT part 2 image/jpeg name=ATT2054466.jpg
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> >
> > _____
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1181. Flight Prediction

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-15 18:36:40 UTC
From: Jeff Melanson
Topic: 1137 Message: 1181

John Knapp,

I haven't had time to look at predictions as I am focused on preparing my capsule. What are you seeing for Saturday. What will the winds be like and will it be raining?

Jeff
KD7INN

1182. Outline

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-15 19:53:02 UTC
From: paulson58@juno.com
Topic: 1182 Message: 1182

Paul-

If you get a few spare minutes, could you jot down an Outline for what you want filmed on Saturday Morning. If you can get me a general list by meeting time to review, this will make it easier for me to make "Film Rounds" as launch time nears. That way I won't miss anything you want to show folks.

Dan
KD7OST

1183. Status, 15 Nov

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-15 19:47:38 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1183 Message: 1183

I just looked at the weather report and MRF (I'm not happy).

The weather is predicted to be cloudy on Saturday. The MRF shows winds aloft becoming very strong and from the southwest (12Z Saturday). Wind speeds over the TV are predicted to be 80 meters per second, which I calculate to be about 180 mph! So we're predicted to have a strong jetstream overhead. However, the jet is usually thin. Nonetheless, this still may be a long chase. The sonde launch this morning from BOI only send data up to around 46,000 feet. The MRF analysis (winds right now) show the winds aloft are weak overhead. So any prediction made right now wouldn't be accurate anyways.

I ran a test on the capsule this morning. The batteries in the GPS died during the test and the CC/PS sent a message to that effect. I've replaced the batteries and now the GPS shows fully charged batteries.

The RC test showed the RC was truned off. I need Dan to bring his RC transmitter to dinner tomorrow for a full test.

I'll tie the Dropzond to it's dock tonight. There is one message I need to change in the flight program and I need to get one more BNC barrel connector.

As far as meteors, I'm wondering if it will be clear at Bogus.

Paul

1184. Basement needed

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-15 19:57:10 UTC
From: paulson58@juno.com
Topic: 1184 Message: 1184

Paul-

I will keep an eye out for a Basement to use for the circuit board work. What is the criteria needed. IE, Dark capable, Chairs, workbench, running water, or whatever?

Dan

1185. Using lift calculations

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-15 20:11:10 UTC
From: Hank Riley
Topic: 1156 Message: 1185

--- Jeff Melanson <kd7inn@...> wrote:

JM> How do we *know* if we have 340 or 380 or whatever amount
JM> in the balloon?

Jeff,

You *don't* (at least not directly) under most circumstances.
The idea of the volume result is just to know how much gas
you'll need (size of tanks, number of tanks to have, etc.)

This program should be used before you arrive on site. It
can be used on site, too, but the idea is to plan with it
and not have surprise result after the balloon leaves
the ground, or have to snag helium at the last moment.
It HAS happened to several groups over the years.

There are other purposes to knowing your gas volume, too,
but I won't go into all the fine details right now. I think
you'll find the instructions with the program to be pretty
informative, and they're not too long.

JM> What we know is how much positive lift we have by
JM> using a scale.

I and everyone else do the same thing.

LIFTWIN will tell you how much of that positive
lift, which is also called freelift, that you'll get with
a given amount of gas.

Hank

_____
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http://personals.yahoo.com

1186. Re: [tvnsp] Basement needed

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-15 21:41:12 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1184 Message: 1186

> I will keep an eye out for a Basement to use for the circuit board
> work. What is the criteria needed. IE, Dark capable, Chairs,
> workbench, running water, or whatever?

We'll need some place outof direct sunlight. Close access to
water is also needed. And power.

Paul

1187. RC Transmitter test

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-15 21:53:36 UTC
From: paulson58@juno.com
Topic: 1187 Message: 1187

The RC test showed the RC was truned off. I need Dan to bring his
RC transmitter to dinner tomorrow for a full test.

Paul-

You got it. If you have a way of generating a TTL pulse anywhere from
1ms to 2ms duration at 55 to 65 Hz this should do the trick just for
a test.

Like......

```
x var word
output 12 'pick your own pin of course

test_pulse:
for x = 1 to 100
pulsout 12,750 'pulseout ( ), whatever you picked above
pause 15
next
goto test_pulse
```

And inject this into the pin you selected for the RC receiver pulse
in, it will tell you if it'll work. I will bring the Transmitter to
the meeting though. Your right, the final test sure must be
accomplished to know for sure. (You probably already did the above)

Dan
KD7OST

1188. Re: [tvnsp] RC Transmitter test

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-15 21:52:17 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1187 Message: 1188

> You got it. If you have a way of generating a TTL pulse anywhere from
> 1ms to 2ms duration at 55 to 65 Hz this should do the trick just for
> a test.

Oh, I know it will work, but I don't have a transmitter to operate the
receiver and see the results.

Paul

1189. RE: [tvnsp] Status, 15 Nov

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-15 22:12:07 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 1183 Message: 1189

Hmmm. Given all the pessimism in here, I'm tempted to ask if anyone knows of any virgins we can sacrifice. (very, very tongue-in-cheek)

There's been a lot of mention of the Dropzond of late, I need to ask what that is.

Bill B.

> -----Original Message-----
> From: verhap@... [mailto:verhap@...]
> Sent: Thursday, November 15, 2001 5:48 AM
> To: tvnsp@yahoogroups.com
> Subject: [tvnsp] Status, 15 Nov
>
>
> I just looked at the weather report and MRF (I'm not happy).
>
8< SNIP >8
> As far as meteors, I'm wondering if it will be clear at Bogus.
>
> Paul

1190. RE: [tvnsp] Outline

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-15 22:14:57 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 1182 Message: 1190

This reminds me, I'm planning to be there for the launch for sure, and set up to chase. I am recovering from having hurt my back Monday, so will not be able to physically participate much in the actual launching. I will, however, bring my digital camera and take as many pictures as I can, and of items specifically desired. Like Dan, if you could give me a list of specific pictures desired (I think I saw a partial list some posts back?), I'll be happy to ensure they get taken.

Bill B.

> -----Original Message-----
> From: paulson58@... [mailto:paulson58@...]
> Sent: Thursday, November 15, 2001 12:53 PM
> To: tvnsp@yahoogroups.com
> Subject: [tvnsp] Outline
>
>
> Paul-
>
> If you get a few spare minutes, could you jot down an Outline
> for what you want filmed on Saturday Morning. If you can get me a
> general list by meeting time to review, this will make it easier for
> me to make "Film Rounds" as launch time nears. That way I won't miss
> anything you want to show folks.
>
> Dan
> KD7OST
>
>
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1191. RE: [tvnsp] Next Launch, pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-15 22:16:32 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 1089 Message: 1191

Hey, Tim started it! See all the way below. :-P

Bill B.

> -----Original Message-----
> From: Jeff Melanson [mailto:kd7inn@...]
> Sent: Thursday, November 15, 2001 11:29 AM
> To: tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] Next Launch, pt 2
>
>
> Bill and John Knapp,
>
> You guys are talking apples and oranges. John is talking
> about the best
> location to launch the balloon. Bill is talking about the
> best location
> to view the meteor shower.
>
> Jeff
> KD7INN
>
> "BLOHM,BILL (HP-Boise,ex1)" wrote:
> >
> > Wind shouldn't be that much a problem for something like
> this. You can
> > always park your vehicle such as to block the wind, I'd
> think. Myself, I'm
> > thinking of going either there or out to my sister's.
> Should be great
> > viewing, there's some predictions for the Boise area at
> >
> http://www.space.com/scienceastronomy/astronomy/leonids_cityti
> mes-7.html
> > (Thanks to Bill Herrmann for the link).
> >
> > Bill B.
> >
> > > -----Original Message-----
> > > From: John Knapp [mailto:kd7hgs@...]
> > > Sent: Wednesday, November 14, 2001 6:21 PM
> > > To: tvnsp@yahoogroups.com
> > > Subject: RE: [tvnsp] Next Launch, pt 2
> > >
> > >

> > > We tried that area last month. The problem is the
> > > winds come up fast at sunrise. We back tracked to Kuna
> > > and there was no wind. But the edge of the canyon was
> > > very windy.
> > >
> > > JohnK
> > > --- "BLOHM,BILL (HP-Boise,ex1)" <bill_blohm@...>
> > > wrote:
> > > > Except for could cover, another good site would be
> > > > to go out to the top of
> > > > the drop down to Swan Falls. Even better would be to
> > > > head east on the dirt
> > > > road past the repeater(?) building at the turn into
> > > > the drop. There's a spot
> > > > out there that gives an awesome view of the horizon,
> > > > weather permitting.
> > > > Can't remember just how far out it is, I'm still
> > > > trying to get the co-ords
> > > > from a friend, but it's a ways.
> > > >
> > > > Bill B.
> > > >
> > > > -----Original Message-----
> > > > From: Tim Rynearson [mailto:n7ubo@...]
> > > > Sent: Friday, November 09, 2001 1:28 PM
> > > > To: tvnsp@yahoogroups.com
> > > > Subject: Re: [tvnsp] Next Launch, pt 2
> > > >
> > > >
> > > >
> > > > Squaw Butte is better than Bogus for viewing the
> > > > leonids, IMHO....its
> > > > further away from the lights of Boise...
> > > >
> > > > Tim
> > > >
> > > > -------Original Message-------
> > > >
> > > > From: verhap@...
> > > > <mailto:verhap@...>
> > > > Date: Friday, November 09, 2001 09:23:04 AM
> > > > To: tvnsp@yahoogroups.com
> > > > <mailto:tvnsp@yahoogroups.com>
> > > > Subject: [tvnsp] Next Launch, pt 2
> > > >
> > > > If it wasn't enough to launch on Saturday and have a
> > > > TVNSP
> > > > meeting on Sunday, there's a meteor shower Saturday
> > > > night. The
> > > > Leonids are most active in 33 year intervals. This

> > > > year's shower
> > > > could be major, really major. I plan to watch it
> > > > from Bogus Basin
> > > > (or there abouts), that way I'm above the clouds and
> > > > lights of the
> > > > valley.
> > > >
> > > > Is anyone interested in seeing the meteor shower? If
> > > > you have a
> > > > camera with a bulb setting (and a cable release) you
> > > > can
> > > > photograph the shower.
> > > >
> > > > The predicted maximium for North America is at 3:00
> > > > AM Sunday
> > > > morning.
> > > >
> > > > Paul
> > > >
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> > > >
> > > >
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> > > >
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> > > >
> > > >
> > > > ____
> > > > <http://www.incredimail.com/redir.asp?ad_id=540>
> > > > IncrediMail - Email has
> > > > finally evolved -
> > > > <http://www.incredimail.com/redir.asp?ad_id=540>
> > > > Click
> > > > Here
> > > > To unsubscribe from this group, send an email to:
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> > > > ATTACHMENT part 2 image/jpeg name=ATT2054466.jpg
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> > >
> > > _____
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1192. RE: [tvnsp] Re: Status 14 Nov, pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-15 22:20:32 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 1164 Message: 1192

Do you still need this? If so, I'll bring my gear.

Bill B.

> -----Original Message-----
>
> We need an APRS tracker at the meeting to finish testing the
> capsules.
>

1193. RE: [tvnsp] Re: Status 14 Nov, pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-15 22:21:29 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 1164 Message: 1193

P.S. I'm assuming you are asking about being able to view the data from the balloon capsules when you mention APRS tracker.

> -----Original Message-----
> From: BLOHM,BILL (HP-Boise,ex1) [mailto:bill_blohm@...]
> Sent: Thursday, November 15, 2001 3:21 PM
> To: 'tvnsp@yahoogroups.com'
> Subject: RE: [tvnsp] Re: Status 14 Nov, pt 2
>
>
> Do you still need this? If so, I'll bring my gear.
>
> Bill B.
>
> > -----Original Message-----
> >
> > We need an APRS tracker at the meeting to finish testing the
> > capsules.
> >
>
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> Refill any ink cartridge for less!
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1194. RE: [tvnsp] Status, 15 Nov

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-15 22:52:06 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1183 Message: 1194

> There's been a lot of mention of the Dropzond of late, I need to ask what
> that is.

Zond is russian for probe. So its a drop probe, simpliar to the drop
probe on the Galileo of the Huygens on the Cassini. Eventually I'd
like to recover them, or have them transmit data to the capsule.

Paul

1195. RE: [tvnsp] Outline

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-15 22:53:21 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1182 Message: 1195

We need to get film clips of every step. We'll also need to narrate during the filming.

Paul

1196. RE: [tvnsp] Re: Status 14 Nov, pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-15 22:54:30 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1164 Message: 1196

Bring it and we'll test your tracker along with the capsule.

Paul

> Do you still need this? If so, I'll bring my gear.
>
> Bill B.
>
> > -----Original Message-----
> >
> > We need an APRS tracker at the meeting to finish testing the
> > capsules.
> >
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
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1197. RE: [tvnsp] Re: Status 14 Nov, pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-15 22:55:26 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1164 Message: 1197

Yes.

> P.S. I'm assuming you are asking about being able to view the data from the
> balloon capsules when you mention APRS tracker.

1198. Re: RC Transmitter test

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-15 23:03:31 UTC
From: paulson58@juno.com
Topic: 1187 Message: 1198

Oh, I know it will work, but I don't have a transmitter to operate the receiver and see the results.

Paul

Figured you were way ahead of me Prof. I'll have the transmitter on hand. I'm still getting to know my way around. It looks like the Idaho Pizza is at 4816 Cleveland Blvd in SE Caldwell. Sound about right to you?

Dan

1199. Re: Outline

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-15 23:12:47 UTC
From: paulson58@juno.com
Topic: 1182 Message: 1199

Like Dan, if you could give me a list of specific pictures desired (I think I saw a partial list some posts back?), I'll be happy to ensure they get taken.

Bill B.

Bill-

I'm placing myself under Paul's wing once we get started there. I haven't been to a launch so I'll just play dumb and film what He wants. Hmmm, speaking of Paul, Do you other guys think I'll need to bring extra Coffee to keep up?

Dan

1200. Re: [tvnsp] Re: RC Transmitter test

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-15 23:10:51 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1187 Message: 1200

> Figured you were way ahead of me Prof. I'll have the transmitter on
> hand. I'm still getting to know my way around. It looks like the
> Idaho Pizza is at 4816 Cleveland Blvd in SE Caldwell. Sound about
> right to you?

That's the one. It's located across the intersection from the
Walmart.

Paul

1201. Re: [tvnsp] Re: Outline

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-15 23:11:32 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1182 Message: 1201

> I'm placing myself under Paul's wing once we get started there. I
> haven't been to a launch so I'll just play dumb and film what He
> wants. Hmmm, speaking of Paul, Do you other guys think I'll need to
> bring extra Coffee to keep up?

The secret is tea.

Paul

1202. Helium

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-16 00:02:17 UTC
From: Mike Garske
Topic: 382 Message: 1202

Paul,

If you want I can pick up another tank of helium tomorrow, just to give us that warm fuzzy feeling at the launch site....we are going for 120,000 feet, aren't we?

Doug, would you say we only used a third of the tank to fill the rest of the balloon for the parachute testing?

Mike KC7DPD

1203. Re: [tvnsp] Helium

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-16 00:04:51 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 382 Message: 1203

> If you want I can pick up another tank of helium tomorrow, just to give us that warm fuzzy feeling at the launch site....we are going for 120,000 feet, aren't we?
>
> Doug, would you say we only used a third of the tank to fill the rest of the balloon for the parachute testing?

We're going for that altitude, but I don't think the balloon is
;)

We should make around 90,000 feet. I would feel better if we had a
little extra helium....

I promise not to inhale, this time.

Paul

1204. Re: [tvnsp] Helium

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-16 00:43:39 UTC
From: Doug Rich
Topic: 382 Message: 1204

At 05:02 PM 11/15/01 -0700, you wrote:
>Paul,
>
>If you want I can pick up another tank of helium tomorrow, just to give us
>that warm fuzzy feeling at the launch site....we are going for 120,000
>feet, aren't we?
>
>Doug, would you say we only used a third of the tank to fill the rest of
>the balloon for the parachute testing?

I have no idea. I was not there for the first part of the balloon fill. It
was a 1200 gram balloon.

>
>Mike KC7DPD
>
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1205. RE: [tvnsp] Next Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-16 06:28:00 UTC
From: Bill Herrmann
Topic: 1089 Message: 1205

Looks like I'm going to be unable to make the Friday evening meeting. If somebody could post the likely launch location and time to be there Friday evening I'd appreciate it!

As things stand right now I'm planning to have a temporary IGate in place so that hopefully flight data makes it out to the internet. I would like to log the balloon data. What callsign will it be using?

Bill

1206. RE: [tvnsp] Re: Status 14 Nov, pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-16 11:25:49 UTC
From: Tim Rynearson
Topic: 1164 Message: 1206
Attachments: 1 described; binary payloads are missing from this source WARC

I'll have my mobile tracking system ready to go tonight, too....

Tim

-------Original Message-------

From:verhap@...
Date: Thursday, November 15, 2001 03:21:07 PM
To:tvnsp@yahoogroups.com
Subject: RE: [tvnsp] Re: Status 14 Nov, pt 2

Yes.

> P.S. I'm assuming you are asking about being able to view the data from the
> balloon capsules when you mention APRS tracker.

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1207. Re: [tvnsp] Helium

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-16 14:37:04 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 382 Message: 1207

> I have no idea. I was not there for the first part of the balloon fill. It
> was a 1200 gram balloon.

Mike, we may want to pick up a little extra helium, just in case.

Paul

1208. Re: [tvnsp] Status, 15 Nov

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-16 14:44:30 UTC
From: John Knapp
Topic: 1183 Message: 1208

--- verhap@... wrote:
> I just looked at the weather report and MRF (I'm not
> happy).

I'm not either. Just ran a prediction from this mornings flight data. The travel at a bearing of 50 degrees, distance of 60 miles, and time of 110 minutes. Since I don't have a map program on this PC I can't tell you where that puts it, except if launched from Succor Creek it would land at:

Lat 44.3076
Long -14.9931

The Boise Weather service forcast is:

SATURDAY...CLOUDY WITH A 40 PERCENT CHANCE OF SHOWERS... COOLER WITH HIGHS IN THE MID 50S. LIGHT WINDS

The MRF is still showing the same direction on winds, in fact a little stronger than currently.

Paul, did I do this right?

See everyone tonight

John Knapp
KD7HGS

Do You Yahoo!?
Find the one for you at Yahoo! Personals
http://personals.yahoo.com

1209. RE: [tvnsp] Next Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-16 14:48:19 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1089 Message: 1209

> As things stand right now I'm planning to have a temporary IGate in place
> so that hopefully flight data makes it out to the internet. I would like to
> log the balloon data. What callsign will it be using?

Mine is KD4STH-11. I think Jeff's is KD7INN-11.

Paul

1210. RE: [tvnsp] Re: Status 14 Nov, pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-16 14:53:10 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1164 Message: 1210

> I'll have my mobile tracking system ready to go tonight, too....

Tim, can you meet us for dinner tonight?

Paul

1211. Status 16 Nov

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-16 15:07:58 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1211 Message: 1211

Winds aloft look much better for Sunday. We'll habve a low pressure system parked just to our northeast. winds will be weak and from the northwest.

However, sunday moring is predicted to be cloudy with a chance of snow. Sunday afternoon will be clearing.

If we launch on Saturday morning, we'll need to go someplace like Rome.

Paul

1212. Re: [tvnsp] Helium

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-16 15:39:07 UTC
From: Mike Garske
Topic: 382 Message: 1212

Ok Paul, I will stop by Sheehan's this afternoon around 3pm to pick up another tank, unless you instruct me otherwise.

Mike KC7DPD
----- Original Message -----
From: <verhap@...>
To: <tvnsp@yahoogroups.com>
Sent: Friday, November 16, 2001 7:37 AM
Subject: Re: [tvnsp] Helium

> > I have no idea. I was not there for the first part of the balloon fill. It
> > was a 1200 gram balloon.
>
> Mike, we may want to pick up a little extra helium, just in case.
>
> Paul
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
>

1213. John Stone?

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-16 16:55:27 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1213 Message: 1213

Has anyone heard from John? I imagine he's using that excess of moving into a new house. Enquiring minds want to know!

Paul

1214. Re: [tvnsp] John Stone?

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-16 17:16:33 UTC
From: John Knapp
Topic: 1213 Message: 1214

Talked to him last night. He will be at the meeting
tonight, he thought he could make the launch but was
not 100% sure.

John Knapp
--- verhap@... wrote:
> Has anyone heard from John? I imagine he's using
> that excess of
> moving into a new house. Enquiring minds want to
> know!
>
> Paul
>

_____
Do You Yahoo!?
Find the one for you at Yahoo! Personals
http://personals.yahoo.com

1215. RE: [tvnsp] Re: Status 14 Nov, pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-16 17:57:46 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 1164 Message: 1215

That's good news. I'm still planning to attend tonight, but may have to leave early, due to family request.

BTW, anyone know if Stephanie is going to be there tonight?

Bill B.

> -----Original Message-----
> From: verhap@... [mailto:verhap@...]
> Sent: Friday, November 16, 2001 12:53 AM
> To: tvnsp@yahoogroups.com
> Subject: RE: [tvnsp] Re: Status 14 Nov, pt 2
>
>
> > I'll have my mobile tracking system ready to go tonight, too....
>
> Tim, can you meet us for dinner tonight?
>
> Paul
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
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>
>

1216. Forecasted landings

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-16 18:49:29 UTC
From: Mark Conner
Topic: 1216 Message: 1216

I can't access the msg archive from here, so I'm not sure what's actually planned for ascent/descent rates. For the calculations below, I used 1000 ft/min for ascent and 1200 ft/min for sea-level descent, burst of 90,000 ft. Forecasted winds were used up to 55,000 ft, then current winds above that.

If launched this morning: 63 miles at 055 degrees from launch
Saturday morning: 80 miles at 048 degrees
Sunday morning: 48 miles at 125 degrees

Timing the arrival of the next system is going to be tricky. The rain may hold off until late morning Saturday, but could hang around into early Sunday morning. Should be cloudy Saturday morning, maybe some breaks Sunday morning. Conditions will improve into the day on Sunday. Surface winds don't look like they'll be a problem.

73 de Mark N9XTN

1217. Re: [tvnsp] Next Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-16 18:59:48 UTC
From: Jeff Melanson
Topic: 719 Message: 1217

That's correct. :)

Jeff
KD7INN-11

verhap@... wrote:
>
> > As things stand right now I'm planning to have a temporary IGate in place
> > so that hopefully flight data makes it out to the internet. I would like to
> > log the balloon data. What callsign will it be using?
>
> Mine is KD4STH-11. I think Jeff's is KD7INN-11.
>
> Paul
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

1218. Re: [tvnsp] Forecasted landings

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-16 19:04:48 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1216 Message: 1218

> If launched this morning: 63 miles at 055 degrees from launch
> Saturday morning: 80 miles at 048 degrees
> Sunday morning: 48 miles at 125 degrees
>
> Timing the arrival of the next system is going to be tricky. The rain
> may hold off until late morning Saturday, but could hang around into
> early Sunday morning. Should be cloudy Saturday morning, maybe some
> breaks Sunday morning. Conditions will improve into the day on
> Sunday. Surface winds don't look like they'll be a problem.

Does anyone have a map? If launched from Rome, does 80 miles
at 48 gegrees put us in a good spot? Sunday's flight looks more
like TV01G's flight. Of course the rain is a problem. Nice to hear
surface winds are not likely to be a problem. I'll take good news in
small pieces if necessary.

Clouds!!!

Is there any place to watch the meteor shower?

Paul

1219. $GPGGA AND $GPRMC

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-16 19:17:31 UTC
From: Jeff Melanson
Topic: 1219 Message: 1219

The Northwest APRS website

http://www.nwaprs.org/aprssettings.htm

says don't use a combo of $GPGGA and $GPRMC.

Why? Don't we need both on the balloon flight?

Jeff
KD7INN

1220. Re: [tvnsp] $GPGGA AND $GPRMC

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-16 19:23:48 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1219 Message: 1220

> says don't use a combo of $GPGGA and $GPRMC.
>
> Why? Don't we need both on the balloon flight?

Since NWAPRS has never launched a balloon, they don't know
what we need. I'm interested in hearing their explanation, though.

Jeff, will you have your tracker with you?

Paul

1221. Re: [tvnsp] $GPGGA AND $GPRMC

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-16 19:31:01 UTC
From: Stephanie Steele
Topic: 1219 Message: 1221

Hi Jeff,

This is not meant for special event stations like a balloon. At least that is my understanding.

Stephanie

Jeff Melanson wrote:

> The Northwest APRS website
>
> http://www.nwaprs.org/aprssettings.htm
>
> says don't use a combo of $GPGGA and $GPRMC.
>
> Why? Don't we need both on the balloon flight?
>
> Jeff
> KD7INN
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

--
Stephanie

****

"They that can give up essential liberty to obtain a little temporary safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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https://www.paypal.com/refer/pal=kc7dba%40arrl.net

1222. Re: [tvnsp] Re: Status 14 Nov, pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-16 19:33:31 UTC
From: Stephanie Steele
Topic: 1164 Message: 1222

I'm going to try and be there. Please confirm the location and time.

Stephanie

"BLOHM,BILL (HP-Boise,ex1)" wrote:

> That's good news. I'm still planning to attend tonight, but may have to
> leave early, due to family request.
>
> BTW, anyone know if Stephanie is going to be there tonight?
>
> Bill B.
>
> > -----Original Message-----
> > From: verhap@... [mailto:verhap@...]
> > Sent: Friday, November 16, 2001 12:53 AM
> > To: tvnsp@yahoogroups.com
> > Subject: RE: [tvnsp] Re: Status 14 Nov, pt 2
> >
> >
> > > I'll have my mobile tracking system ready to go tonight, too....
> >
> > Tim, can you meet us for dinner tonight?
> >
> > Paul
> >
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--
Stephanie

****

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1223. Re: [tvnsp] Forecasted landings

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-16 19:36:07 UTC
From: Jeff Melanson
Topic: 1216 Message: 1223

Paul,

80 miles at 048 degrees from Rome puts us between Star and Middleton 1
to 2 miles north of HWY 44.

verhap@... wrote:
>
> > If launched this morning: 63 miles at 055 degrees from launch
> > Saturday morning: 80 miles at 048 degrees
> > Sunday morning: 48 miles at 125 degrees
> >
> > Timing the arrival of the next system is going to be tricky. The rain
> > may hold off until late morning Saturday, but could hang around into
> > early Sunday morning. Should be cloudy Saturday morning, maybe some
> > breaks Sunday morning. Conditions will improve into the day on
> > Sunday. Surface winds don't look like they'll be a problem.
>
> Does anyone have a map? If launched from Rome, does 80 miles
> at 48 gegrees put us in a good spot? Sunday's flight looks more
> like TV01G's flight. Of course the rain is a problem. Nice to hear
> surface winds are not likely to be a problem. I'll take good news in
> small pieces if necessary.
>
> Clouds!!!
>
> Is there any place to watch the meteor shower?
>
> Paul
>
>
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>
>
>
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1224. Re: [tvnsp] $GPGGA AND $GPRMC

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-16 19:37:30 UTC
From: Stephanie Steele
Topic: 1219 Message: 1224

Paul is correct. These settings were never intended for a balloon. These recommendations are for trackers and mobiles. The reason for this recommendation has to do with the amount of traffic on the network. Using both strings causes double the amount of traffic from each station and is unnecessary for trackers and mobiles but essential, as we all know, for balloons.

Stephanie

verhap@... wrote:

> > says don't use a combo of $GPGGA and $GPRMC.
> >
> > Why? Don't we need both on the balloon flight?
>
> Since NWAPRS has never launched a balloon, they don't know
> what we need. I'm interested in hearing their explanation, though.
>
> Jeff, will you have your tracker with you?
>
> Paul
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

--
Stephanie

****

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Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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https://www.paypal.com/refer/pal=kc7dba%40arrl.net

1225. Re: [tvnsp] Re: Status 14 Nov, pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-16 19:34:06 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1164 Message: 1225

> I'm going to try and be there. Please confirm the location and time.

It will be our regular Idaho Pizza in Caldwell. Time is set for 7:00
PM.

Paul

1226. Re: [tvnsp] $GPGGA AND $GPRMC

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-16 19:42:05 UTC
From: Jeff Melanson
Topic: 1219 Message: 1226

Yes, I will have my tracker. I was able to take today off. I work nights. I will be at the meeting. I am reprogramming the TNC. It was set up for Mike's search and recovery flight in Nampa.

Stephanie,

We are meeting at the usual place. Idaho Pizza between Nampa and Caldwell next to Walmart at 7:00 pm. Glad to see you'll be there. Will Norma be with you? Sounds like we'll have quite a few showing up for this event.

Jeff
KD7INN

verhap@... wrote:
>
> > says don't use a combo of $GPGGA and $GPRMC.
> >
> > Why? Don't we need both on the balloon flight?
>
> Since NWAPRS has never launched a balloon, they don't know
> what we need. I'm interested in hearing their explanation, though.
>
> Jeff, will you have your tracker with you?
>
> Paul
>
>
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>
>
>
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1227. Re: [tvnsp] Forecasted landings

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-16 19:34:45 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1216 Message: 1227

> 80 miles at 048 degrees from Rome puts us between Star and Middleton 1
> to 2 miles north of HWY 44.

Ummm, this sounds like a flight we once had.

Paul

1228. Re: [tvnsp] $GPGGA AND $GPRMC

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-16 19:43:57 UTC
From: Jeff Melanson
Topic: 1219 Message: 1228

Paul and Stephanie,

What time intervals do you recommend to transmit each string?

Jeff
KD7INN

Stephanie Steele wrote:
>
> Paul is correct. These settings were never intended for a balloon. These
> recommendations are for trackers and mobiles. The reason for this
> recommendation has to do with the amount of traffic on the network. Using
> both strings causes double the amount of traffic from each station and is
> unnecessary for trackers and mobiles but essential, as we all know, for
> balloons.
>
> Stephanie
>
> verhap@... wrote:
>
> > > says don't use a combo of $GPGGA and $GPRMC.
> > >
> > > Why? Don't we need both on the balloon flight?
> >
> > Since NWAPRS has never launched a balloon, they don't know
> > what we need. I'm interested in hearing their explanation, though.
> > >
> > > Jeff, will you have your tracker with you?
> > >
> > > Paul
> > >
> > >
> > > To unsubscribe from this group, send an email to:
> > > tvnsp-unsubscribe@egroups.com
> > >
> > >
> > >
> > > Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
> --
> Stephanie
>
> ******************************
>
> "They that can give up essential liberty to obtain a little temporary
> safety deserve neither liberty nor safety."

>
> Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.
>
> "Those who desire to give up freedom in order to gain security will not
> have, nor do they deserve, either one."
>
> President Thomas Jefferson.
> 1743-1826
>
> ******************************
>
> Send and receive money safely over the Internet by using PayPal. I use it and
> highly recommend it as a safe and reliable means to conduct business. By
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1229. Re: [tvnsp] $GPGGA AND $GPRMC

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-16 19:42:04 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1219 Message: 1229

> What time intervals do you recommend to transmit each string?

I want data!
Once a second would work for me.
ME: ;) The World: =:O
Did you do once a minute last time?
I would think once every thirty seconds would be fine.

Paul

1230. Re: [tvnsp] $GPGGA AND $GPRMC

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-16 19:50:10 UTC
From: Jeff Melanson
Topic: 1219 Message: 1230

Remind me again what information each string contains.

Jeff
KD7INN

Stephanie Steele wrote:
>
> Paul is correct. These settings were never intended for a balloon. These
> recommendations are for trackers and mobiles. The reason for this
> recommendation has to do with the amount of traffic on the network. Using
> both strings causes double the amount of traffic from each station and is
> unnecessary for trackers and mobiles but essential, as we all know, for
> balloons.
>
> Stephanie
>
> verhap@... wrote:
>
> > > says don't use a combo of $GPGGA and $GPRMC.
> > >
> > > Why? Don't we need both on the balloon flight?
> >
> > Since NWAPRS has never launched a balloon, they don't know
> > what we need. I'm interested in hearing their explanation, though.
> >
> > Jeff, will you have your tracker with you?
> >
> > Paul
> >
> >
> > To unsubscribe from this group, send an email to:
> > tvnsp-unsubscribe@egroups.com
> >
> >
> >
> > Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
> --
> Stephanie
>
> ******************************
>
> "They that can give up essential liberty to obtain a little temporary
> safety deserve neither liberty nor safety."
>

> Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.
>
> "Those who desire to give up freedom in order to gain security will not
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>
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>
>
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1231. Re: [tvnsp] $GPGGA AND $GPRMC

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-16 19:54:35 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1219 Message: 1231

> Remind me again what information each string contains.

The GGA gives us time, lat, long, and altitude.
The RMC gives use time, lat, long, speed and direction.

Paul

1232. Re: [tvnsp] $GPGGA AND $GPRMC

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-16 20:06:46 UTC
From: Jeff Melanson
Topic: 1219 Message: 1232

Watch out. You may go into data overload!

Actually on the last flight I was transmitting much more often. I had set the two strings to transmit at different intervals and at odd intervals so they would not overlap. This way the Street Atlas screen would alternate between showing altitude information and speed and track information. If I set them to the same interval and they transmit at the same time then Street Atlas would only display one or the other. For example you would see altitude each time it transmitted but not speed and track. I could not find any rhyme or reason as to which one it chose to display. Of course you could go to APRS history tab and see what it was doing but I wanted all the info on one screen. One way to do this is to transmit the GGA string every 15 seconds and the RMC string every 19 seconds. Both strings are then displayed on the screen as they come in. Of course this means transmitting about 7 times per minute. Does that sound like to much?

Jeff
KD7INN

verhap@... wrote:
>
> > What time intervals do you recommend to transmit each string?
>
> I want data!
> Once a second would work for me.
> ME: ;) The World: =:O
> Did you do once a minute last time?
> I would think once every thirty seconds would be fine.
>
> Paul
>
>
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> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

1233. RE: [tvnsp] $GPGGA AND $GPRMC

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-16 20:09:29 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 1219 Message: 1233

This is a perfect case for smart beaconing! Except for the case where it rises straight up.

How fast does the balloon move?

Also, remember that altitude is not a primary function provided by the GPS setup. Position accuracy is favored over altitude, to the detriment of altitude readouts. If you put your GPS in a stable location and run something like VisualGPS, you will see that the position will stabilize but altitude will always be wide-ranging. Still, some data is better than nothing.

Running a tracker at 1 per min provides me with data at the rate of approx 9 posits between my QTH and HP, going north from Nampa to Hwy 20/26 then east. So, that's almost a posit every 2 miles at 55-60 mph. Obviously, we want as much data as possible from the balloon in order to accurately track it's path, altitude, and speed. Does the balloon also send telemtry packets on the same frequency? If so, then we're going to risk heavily loading the APRS freq with packets that many people simply won't be interested in.

Using both GPGGA and GPRMC, it will take about a second to transmit both. Maximum data could be obtained, probably, with a transmit rate of 1 per 15 seconds and stagger them. Unfortunately, this would probably "overload the system". I'd say that we should probably transmit each one 1 per min, alternating so that they are 30 seconds apart. I wouldn't recommend pushing it past that.

If we're running two trackers in the launch, we also need to co-ordinate the two so that they don't both broadcast every minute on the minute, etc..

What I would like to propose here, is that we remember that the APRS frequency is a public frequency, but it is also a gentleman's agreement. As a result, we do not have to stay on 144.39 MHz to use APRS. This time around, we will have to, to be able to use the system, obviously. Next and future launches, though, we should consider using a clear frequency for our transmitting and data logging, and feed this at a modified rate into the IGate. That will allow us to make maximum use of the largest amount of data we can handle without loading the APRS frequency.

BTW:
GGA - Global Positioning System Fix Data
GGA,123519,4807.038,N,01131.324,E,1,08,0.9,545.4,M,46.9,M, , *42
123519 Fix taken at 12:35:19 UTC
4807.038,N Latitude 48 deg 07.038' N
01131.324,E Longitude 11 deg 31.324' E
1 Fix quality: 0 = invalid
1 = GPS fix

2 = DGPS fix
08 Number of satellites being tracked
0.9 Horizontal dilution of position
545.4,M Altitude, Metres, above mean sea level
46.9,M Height of geoid (mean sea level) above WGS84
ellipsoid
(empty field) time in seconds since last DGPS update
(empty field) DGPS station ID number

RMC - Recommended minimum specific GPS/Transit data
RMC,225446,A,4916.45,N,12311.12,W,000.5,054.7,191194,020.3,E*68
225446 Time of fix 22:54:46 UTC
A Navigation receiver warning A = OK, V = warning
4916.45,N Latitude 49 deg. 16.45 min North
12311.12,W Longitude 123 deg. 11.12 min West
000.5 Speed over ground, Knots
054.7 Course Made Good, True
191194 Date of fix 19 November 1994
020.3,E Magnetic variation 20.3 deg East
*68 mandatory checksum

Bill B. & Bill H.

> -----Original Message-----
> From: verhap@... [mailto:verhap@...]
> Sent: Friday, November 16, 2001 5:42 AM
> To: tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] $GPGGA AND $GPRMC
>
>
> > What time intervals do you recommend to transmit each string?
>
> I want data!
> Once a second would work for me.
> ME: ;) The World: =:O
> Did you do once a minute last time?
> I would think once every thirty seconds would be fine.
>
> Paul
>
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>

1234. Tiny Track II

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-16 20:15:29 UTC
From: Jeff Melanson
Topic: 1234 Message: 1234

Tiny Track Experts,

Does the Tiny Track II transmitt the GGA and the RMC strings? Is this something you program?

Jeff
KD7INN

1235. Re: Tiny Track II

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-16 20:36:04 UTC
From: Bill Herrmann
Topic: 1234 Message: 1235

> Does the Tiny Track II transmitt the GGA and the RMC
> strings? Is this something you program?

Not exactly - It transmits a more compact piece that incorporates that data.

It happens I was testing mine this morning. A typical packet looks like:
KD7MJC-9>APT202,WIDE2-2/1:!4342.94N/11621.24W>178/006/A=002621

You can see a range of them at http://www.findu.com/cgi-bin/rawposit.cgi?call=KD7MJC-9

That smaller string incorporates position, heading, speed and altitude.

The TinyTrak config. utility includes a switch for transmitting altitude. It also can transmit in Mic-E format. (Note that the current version of TinyTrakII can not do "true" Mic-E in that it doesn't monitor the PTT line.) Not an issue here, of course. Obviously the advantage of Mic-E format is more compact data. I don't recall if Mic-E included altitude, but I think it does. (I'll check later, got the spec at home.)

Bill
KD7MJC

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http://www.shopping.altavista.com

1236. Launch Date

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-16 20:37:58 UTC
From: Bill Herrmann
Topic: 1236 Message: 1236

Just wanted to mention that Sunday is doable for me if it's decided that we should move the launch. (It's actually better for me.)

Bill
KD7MJC

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http://www.shopping.altavista.com

1237. Re: [tvnsp] Re: Tiny Track II

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-16 20:46:52 UTC
From: Jeff Melanson
Topic: 1234 Message: 1237

Bill,

I have noticed on APRS+Street Atlas on the position 2 tab that most
units transmit either Speed and Track or Altitude but not both. However
some units transmit Speed Track and Altitude all at once. Is this done
with a Tiny Track II?

Bill Herrmann wrote:
>
> > Does the Tiny Track II transmitt the GGA and the RMC
> > strings? Is this something you program?
>
> Not exactly - It transmits a more compact piece that incorporates that data.
>
> It happens I was testing mine this morning. A typical packet looks like:
> KD7MJC-9>APT202,WIDE2-2/1:!4342.94N/11621.24W>178/006/A=002621
>
> You can see a range of them at http://www.findu.com/cgi-bin/rawposit.cgi?call=KD7MJC-9
>
> That smaller string incorporates position, heading, speed and altitude.
>
> The TinyTrak config. utility includes a switch for transmitting altitude. It also can
transmit in Mic-E format. (Note that the current version of TinyTrakII can not do "true"
Mic-E in that it doesn't monitor the PTT line.) Not an issue here, of course. Obviously the
advantage of Mic-E format is more compact data. I don't recall if Mic-E included altitude,
but I think it does. (I'll check later, got the spec at home.)
>
> Bill
> KD7MJC
>
> Find the best deals on the web at AltaVista Shopping!
> http://www.shopping.altavista.com
>
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1238. RE: Status 14 Nov, pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-16 20:55:49 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 1164 Message: 1238

I was hoping to meet Stephanie at the meeting, but earlier I got word of a family function, and since family comes before hobby, it looks like I'm not going to be able to make this meeting at all. :-(I was really looking forward to being there and seeing how the planning went, when we'd launch, and help make sure the trackers were working OK.

Dan has his setup and will be there, so that's covered.

Bill H. has asked that someone post the launch time/location to this list after the meeting, and has agreed to send me a one-liner letting me know the day and time. I can run either day, but have to admit that I'm not exactly looking forward to launching from Rome! I've mentioned before I think it's wrong to beat the sun up. ;-)

Stephanie, I still would like to meet you and talk about APRS with you, maybe we can work something out sometime soon.

Bill B.

> -----Original Message-----
> From: Stephanie Steele [mailto:kc7dba@...]
> Sent: Friday, November 16, 2001 12:34 PM
> To: tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] Re: Status 14 Nov, pt 2
>
>
> I'm going to try and be there. Please confirm the location and time.
>
> Stephanie
>
>
>
> "BLOHM,BILL (HP-Boise,ex1)" wrote:
>
> > That's good news. I'm still planning to attend tonight, but
> may have to
> > leave early, due to family request.
> >
> > BTW, anyone know if Stephanie is going to be there tonight?
> >
> > Bill B.
> >
> > > -----Original Message-----
> > > From: verhap@...
> [mailto:verhap@...]
> > > Sent: Friday, November 16, 2001 12:53 AM

> > > To: tvnsp@yahoogroups.com
> > > Subject: RE: [tvnsp] Re: Status 14 Nov, pt 2
> > >
> > >
> > > > I'll have my mobile tracking system ready to go tonight, too....
> > >
> > > Tim, can you meet us for dinner tonight?
> > >
> > > Paul
> > >
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> >
> >
> >
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>
> --
> Stephanie
>
> ******************************
>
> "They that can give up essential liberty to obtain a little temporary
> safety deserve neither liberty nor safety."
>
> Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept.
> 11, 1773.
>
> "Those who desire to give up freedom in order to gain
> security will not
> have, nor do they deserve, either one."
>
> President Thomas Jefferson.
> 1743-1826
>
> ******************************
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1239. Posits, time slotting, etc.

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-16 21:19:23 UTC
From: Mark Conner
Topic: 1239 Message: 1239

TinyTrak II will assemble info from GGA and RMC strings into an all-in-one posit. Both the text and Mic-E format can be set to contain altitude. The downside is there is no time information contained in the report, making log file analysis difficult. I'll use a TinyTrak as a backup beacon, but not as a primary. My own preference is to send text information instead of Mic-E format, so I can extract lat/lon/alt from the raw TNC data in the event of some ground station failure.

For NSTAR, I include the time (hour/min/sec) in the posit, so that all information is contained in one packet. This make logging and computations much easier. I can send BS2SX code if anyone's interested.

If you are using a KPC-3Plus, you can time slot your reports. You can do the following to alternate GGA and RMC posits:

```
GPSHEAD 1 $GPGGA
GPSHEAD 2 $GPRMC
BLT 1 EVERY 00:00:30 START 00:00:01
BLT 2 EVERY 00:00:30 START 00:00:16
GPSTIME VALID RMC
```

(I think the commands are correct - don't have a manual at work)

This will set the TNC's time to the GPS, beacon a GGA string at :01 and :31 seconds after each minute, and beacon an RMC string at :16 and :46 seconds after each minute. This will make a nice alternating display on APRS+SA of course/speed and altitude.

BTW, due to a software coding error on my last flight, the beacon sent out posits every 6 seconds for abour 40 minutes. Nobody complained. :)

73 de Mark N9XTN

1240. RE: [tvnsp] Re: Status 14 Nov, pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-16 21:27:50 UTC
From: Tim Rynearson
Topic: 1164 Message: 1240
Attachments: 1 described; binary payloads are missing from this source WARC

I fully intend to be there....7 PM, Idaho Pizza Company in Caldwell.....

Tim

-------Original Message-------

From:verhap@...
Date: Friday, November 16, 2001 07:18:43 AM
To:tvnsp@yahoogroups.com
Subject: RE: [tvnsp] Re: Status 14 Nov, pt 2

> I'll have my mobile tracking system ready to go tonight, too....

Tim, can you meet us for dinner tonight?

Paul

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1241. Re: [tvnsp] Posits, time slotting, etc.

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-16 21:31:56 UTC
From: Jeff Melanson
Topic: 1239 Message: 1241

Mark,

That programming is just what I needed for the KPC-3Plus. Thanks.

One more question. The KPC-3Plus will delay it's transmission if the freq is busy (if you allow it to litsen). Will that change the timing or just delay the transmission?

Jeff
KD7INN

Mark Conner wrote:
>
> TinyTrak II will assemble info from GGA and RMC strings into an all-in-
> one posit. Both the text and Mic-E format can be set to contain
> altitude. The downside is there is no time information contained in
> the report, making log file analysis difficult. I'll use a TinyTrak as
> a backup beacon, but not as a primary. My own preference is to send
> text information instead of Mic-E format, so I can extract lat/lon/alt
> from the raw TNC data in the event of some ground station failure.
>
> For NSTAR, I include the time (hour/min/sec) in the posit, so that all
> information is contained in one packet. This make logging and
> computations much easier. I can send BS2SX code if anyone's interested.
>
> If you are using a KPC-3Plus, you can time slot your reports. You can
> do the following to alternate GGA and RMC posits:
>
> GPSHEAD 1 $GPGGA
> GPSHEAD 2 $GPRMC
> BLT 1 EVERY 00:00:30 START 00:00:01
> BLT 2 EVERY 00:00:30 START 00:00:16
> GPSTIME VALID RMC
>
> (I think the commands are correct - don't have a manual at work)
>
> This will set the TNC's time to the GPS, beacon a GGA string at :01
> and :31 seconds after each minute, and beacon an RMC string at :16
> and :46 seconds after each minute. This will make a nice alternating
> display on APRS+SA of course/speed and altitude.
>
> BTW, due to a software coding error on my last flight, the beacon sent
> out posits every 6 seconds for abour 40 minutes. Nobody complained. :)
>
> 73 de Mark N9XTN
>

>
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1242. Re: [tvnsp] $GPGGA AND $GPRMC

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-16 21:34:43 UTC
From: Tim Rynearson
Topic: 1219 Message: 1242
Attachments: 1 described; binary payloads are missing from this source WARC

Jeff,
In my experiences with the Womens Challenge cycle race, both the GGA and RMC string are equally important, and I would think even more so on a balloon tracker, because one outputs information the other doesn't and visa versa and some of the unique data of each is important for tracking purposes.

Tim...

-------Original Message-------

From:Jeff Melanson
Date: Friday, November 16, 2001 11:35:40 AM
To:tvnsp@yahoogroups.com
Subject: [tvnsp] $GPGGA AND $GPRMC

The Northwest APRS website

http://www.nwaprs.org/aprssettings.htm

says don't use a combo of $GPGGA and $GPRMC.

Why? Don't we need both on the balloon flight?

Jeff
KD7INN

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1243. Re: [tvnsp] Forecasted landings

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-16 21:36:20 UTC
From: Tim Rynearson
Topic: 1216 Message: 1243
Attachments: 1 described; binary payloads are missing from this source WARC

Again in Emmett territory....I'm liking this more and more all the time.....

Tim

-------Original Message-------

From:Jeff Melanson
Date: Friday, November 16, 2001 11:54:16 AM
To:tvnsp@yahoogroups.com
Subject: Re: [tvnsp] Forecasted landings

Paul,

80 miles at 048 degrees from Rome puts us between Star and Middleton 1
to 2 miles north of HWY 44.

verhap@....us wrote:
>
> > If launched this morning: 63 miles at 055 degrees from launch
> > Saturday morning: 80 miles at 048 degrees
> > Sunday morning: 48 miles at 125 degrees
> >
> > Timing the arrival of the next system is going to be tricky. The rain
> > may hold off until late morning Saturday, but could hang around into
> > early Sunday morning. Should be cloudy Saturday morning, maybe some
> > breaks Sunday morning. Conditions will improve into the day on
> > Sunday. Surface winds don't look like they'll be a problem.
>
> Does anyone have a map? If launched from Rome, does 80 miles
> at 48 gegrees put us in a good spot? Sunday's flight looks more
> like TV01G's flight. Of course the rain is a problem. Nice to hear
> surface winds are not likely to be a problem. I'll take good news in
> small pieces if necessary.
>
> Clouds!!!
>
> Is there any place to watch the meteor shower?
>
> Paul
>
>
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>

>
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1244. Re: [tvnsp] $GPGGA AND $GPRMC

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-16 21:38:22 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1219 Message: 1244

> Of course this means transmitting about 7 times per minute. Does that
> sound like to much?

I don't recall there being a problem.

What if you have each sentence transmit every 30 seconds. The
GGA transmit at 15 and 45 seconds after the minute and the RMC
transmits at 30 and 0 seconds after the minute. This gives a
constant 15 seconds a part between updates.

Paul

1245. Re: [tvnsp] $GPGGA AND $GPRMC

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-16 21:46:58 UTC
From: Tim Rynearson
Topic: 1219 Message: 1245
Attachments: 1 described; binary payloads are missing from this source WARC

Something to keep in mind......time interval on battery power !!!!.....a time interval of 30 seconds will be transmitting twice as much as a time interval of one minute, thereby halving your battery life. Personally, I think a one minute, or thereabouts, interval would be sufficient for a balloon tracker.

Tim....

-------Original Message-------

From:Jeff Melanson
Date: Friday, November 16, 2001 12:24:54 PM
To:tvnsp@yahoogroups.com
Subject: Re: [tvnsp] $GPGGA AND $GPRMC

Watch out. You may go into data overload!

Actually on the last flight I was transmitting much more often. I had set the two strings to transmit at different intervals and at odd intervals so they would not overlap. This way the Street Atlas screen would alternate between showing altitude information and speed and track information. If I set them to the same interval and they transmit at the same time then Street Atlas would only display one or the other. For example you would see altitude each time it transmitted but not speed and track. I could not find any rhyme or reason as to which one it chose to display. Of course you could go to APRS history tab and see what it was doing but I wanted all the info on one screen. One way to do this is to transmit the GGA string every 15 seconds and the RMC string every 19 seconds. Both strings are then displayed on the screen as they come in. Of course this means transmitting about 7 times per minute. Does that sound like to much?

Jeff
KD7INN

verhap@....us wrote:
>
> > What time intervals do you recommend to transmit each string?
>
> I want data!
> Once a second would work for me.
> ME: ;) The World: =:O
> Did you do once a minute last time?
> I would think once every thirty seconds would be fine.
>
> Paul
>

>
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1246. RE: [tvnsp] $GPGGA AND $GPRMC

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-16 21:47:35 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1219 Message: 1246

> This is a perfect case for smart beaconing! Except for the case where it
> rises straight up.

My CC/PS does that. But it's only as smart as the programmer.

> How fast does the balloon move?

Depends on the wind. I've seen them go between 0 and 120 mph.

> Does the balloon also send telemtry packets on
> the same frequency? If so, then we're going to risk heavily loading the APRS
> freq with packets that many people simply won't be interested in.

Balloons send data on the same frequency. However there's a lot
of interest in seeing balloons on APRS. Here in the TV there just
isn't that much traffic to start with, so I don't think anyone is going
to complain. And so far, no one has (at least as far as APRS
traffic). My recommendation to those who feel balloon traffic is a
burden is for them to get involved with TVNSP.

> What I would like to propose here, is that we remember that the APRS
> frequency is a public frequency, but it is also a gentleman's agreement. As
> a result, we do not have to stay on 144.39 MHz to use APRS. This time
> around, we will have to, to be able to use the system, obviously. Next and
> future launches, though, we should consider using a clear frequency for our
> transmitting and data logging, and feed this at a modified rate into the
> IGate. That will allow us to make maximum use of the largest amount of data
> we can handle without loading the APRS frequency.

We want to stay on 144.390. Findu and other websites depend on
that frequency. Several people in the midwest keep track of
TVNSP flights through Findu. It has something to do with keeping
me honest.

Paul

1247. Re: [tvnsp] Tiny Track II

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-16 21:48:42 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1234 Message: 1247

> Does the Tiny Track II transmitt the GGA and the RMC strings? Is this
> something you program?

Mark is getting some experience on the tinytracker. The only
reason I don't use it is that it doesn't send telemetry. I want my
backup tracker to tell me battery voltages and a temperature.

Paul

1248. Re: [tvnsp] Posits, time slotting, etc.

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-16 21:53:45 UTC
From: Tim Rynearson
Topic: 1239 Message: 1248
Attachments: 1 described; binary payloads are missing from this source WARC

Jeff,
It won't change the timing, just delay it until the frequency is clear. Also, the carrier detect needs to be set to SOFTWARE ('cd software' command).

Tim.....

-------Original Message-------

From:Jeff Melanson
Date: Friday, November 16, 2001 01:50:04 PM
To:tvnsp@yahoogroups.com
Subject: Re: [tvnsp] Posits, time slotting, etc.

Mark,

That programming is just what I needed for the KPC-3Plus. Thanks.

One more question. The KPC-3Plus will delay it's transmission if the freq is busy (if you allow it to litsen). Will that change the timing or just delay the transmission?

Jeff
KD7INN

Mark Conner wrote:
>
> TinyTrak II will assemble info from GGA and RMC strings into an all-in-
> one posit. Both the text and Mic-E format can be set to contain
> altitude. The downside is there is no time information contained in
> the report, making log file analysis difficult. I'll use a TinyTrak as
> a backup beacon, but not as a primary. My own preference is to send
> text information instead of Mic-E format, so I can extract lat/lon/alt
> from the raw TNC data in the event of some ground station failure.
>
> For NSTAR, I include the time (hour/min/sec) in the posit, so that all
> information is contained in one packet. This make logging and
> computations much easier. I can send BS2SX code if anyone's interested.
>
> If you are using a KPC-3Plus, you can time slot your reports. You can
> do the following to alternate GGA and RMC posits:
>
> GPSHEAD 1 $GPGGA
> GPSHEAD 2 $GPRMC
> BLT 1 EVERY 00:00:30 START 00:00:01
> BLT 2 EVERY 00:00:30 START 00:00:16
> GPSTIME VALID RMC

>
> (I think the commands are correct - don't have a manual at work)
>
> This will set the TNC's time to the GPS, beacon a GGA string at :01
> and :31 seconds after each minute, and beacon an RMC string at :16
> and :46 seconds after each minute. This will make a nice alternating
> display on APRS+SA of course/speed and altitude.
>
> BTW, due to a software coding error on my last flight, the beacon sent
> out posits every 6 seconds for abour 40 minutes. Nobody complained. :)
>
> 73 de Mark N9XTN
>
>
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1249. Re: [tvnsp] Re: Tiny Track II

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-16 21:49:44 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1234 Message: 1249

> > Does the Tiny Track II transmitt the GGA and the RMC
> > strings? Is this something you program?
>
> Not exactly - It transmits a more compact piece that incorporates that data.
>
> It happens I was testing mine this morning. A typical packet looks like:
> KD7MJC-9>APT202,WIDE2-2/1:!4342.94N/11621.24W>178/006/A=002621

So it's transmitting posits.

Paul

1250. APRS Data

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-16 21:56:09 UTC
From: Bill Herrmann
Topic: 1250 Message: 1250

One thought - it might be wise for us to send out a bulletin with what is going on before we start sending tons of data across the air. Kind of a preemptive strike if you will.

I'd include the callsign(s) to be used and the website URL for more information. Estimates of times would probably be a good idea as well.

We "should" be able to send that out from the launch site since we'll have APRS stations present. Might not hurt to send out at least one bulletin this evening.

Bill
KD7MJC

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1251. RE: [tvnsp] $GPGGA AND $GPRMC

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-16 21:57:24 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 1219 Message: 1251

Strictly speaking, this isn't true. Findu and other websites depend on internet feed to their sites to provide them data. This feed is provided via IGates. So, all we'd have to do would be set up a temporary IGate on the frequency we used.

Bill B.

> -----Original Message-----
> > What I would like to propose here, is that we remember that the APRS
> > frequency is a public frequency, but it is also a
> gentleman's agreement. As
> > a result, we do not have to stay on 144.39 MHz to use APRS.
> This time
> > around, we will have to, to be able to use the system,
> obviously. Next and
> > future launches, though, we should consider using a clear
> frequency for our
> > transmitting and data logging, and feed this at a modified
> rate into the
> > IGate. That will allow us to make maximum use of the
> largest amount of data
> > we can handle without loading the APRS frequency.
>
> We want to stay on 144.390. Findu and other websites depend on
> that frequency. Several people in the midwest keep track of
> TVNSP flights through Findu. It has something to do with keeping
> me honest.
>
> Paul

1252. Re: [tvnsp] Forecasted landings

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-16 21:55:22 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1216 Message: 1252

> Again in Emmett territory....I'm liking this more and more all the time.....

Yeah, but it's in someone's yard that owns very big and mean dogs.
Paul

1253. Re: [tvnsp] Re: Tiny Track II

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-16 22:03:45 UTC
From: Jeff Melanson
Topic: 1234 Message: 1253

But as Mark said it doesn't transmit time.

Jeff

verhap@... wrote:
>
> > > Does the Tiny Track II transmitt the GGA and the RMC
> > > strings? Is this something you program?
> >
> > Not exactly - It transmits a more compact piece that incorporates that data.
> >
> > It happens I was testing mine this morning. A typical packet looks like:
> > KD7MJC-9>APT202,WIDE2-2/1:!4342.94N/11621.24W>178/006/A=002621
>
> So it's transmitting posits.
>
> Paul
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

1254. Re: [tvnsp] Posits, time slotting, etc.

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-16 22:05:12 UTC
From: Jeff Melanson
Topic: 1239 Message: 1254

I have the carrier detect set to software. Thanks.

Jeff
KD7INN

1255. RE: [tvnsp] $GPGGA AND $GPRMC

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-16 22:03:55 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 1219 Message: 1255

I wasn't aware that there was that much interest in the balloons in the APRS community as a whole. Thanks for that information.

Overall, I'd agree with you, but there are regular bursts of "a high volume of" APRS traffic and that traffic seems to be growing as the APRS network gets more and more interconnected. For that reason, and so that we could obtain all the data we ever wanted to roll around in and play with, I suggested looking into using a different frequency _eventually_. I do agree that for now we can probably get away with it, but I am not sure (and hope that it won't) the frequency will stay this "quiet" in the area. I want to see more use of APRS in the area, hopefully expanding into SAR efforts. We should plan for that eventuality, I believe, rather than having to do so immediately the need arises and we start getting complaints.

I like your recommendation!

Bill B.

> -----Original Message-----
> Balloons send data on the same frequency. However there's a lot
> of interest in seeing balloons on APRS. Here in the TV there just
> isn't that much traffic to start with, so I don't think
> anyone is going
> to complain. And so far, no one has (at least as far as APRS
> traffic). My recommendation to those who feel balloon traffic is a
> burden is for them to get involved with TVNSP.
>

1256. Re: [tvnsp] APRS Data

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-16 21:59:39 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1250 Message: 1256

> One thought - it might be wise for us to send out a bulletin with what is going on before we start sending tons of data across the air. Kind of a preemptive strike if you will.

We can send that over APRS. I'd also like to send a bulletin over the repeater.

> We "should" be able to send that out from the launch site since we'll have APRS stations present. Might not hurt to send out at least one bulletin this evening.

As I recall, we had trouble reaching the repeater from Rome. Was APRS available?

We need to notify Doug as soon as we can that the capsule has been launched. He'll act as net controller and pager controller.

Paul

1257. RE: [tvnsp] $GPGGA AND $GPRMC

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-16 22:00:22 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1219 Message: 1257

> Strictly speaking, this isn't true. Findu and other websites depend on
> internet feed to their sites to provide them data. This feed is provided via
> IGates. So, all we'd have to do would be set up a temporary IGate on the
> frequency we used.

I stand corrected. I guess most Igates then, monitor 144.390.

Paul

1258. RE: [tvnsp] $GPGGA AND $GPRMC

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-16 22:07:08 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 1219 Message: 1258

I think that's a great solution.

Bill B.

> -----Original Message-----
> From: verhap@... [mailto:verhap@...]
> Sent: Friday, November 16, 2001 7:38 AM
> To: tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] $GPGGA AND $GPRMC
>
>
> > Of course this means transmitting about 7 times per minute.
> Does that
> > sound like to much?
>
> I don't recall there being a problem.
>
> What if you have each sentence transmit every 30 seconds. The
> GGA transmit at 15 and 45 seconds after the minute and the RMC
> transmits at 30 and 0 seconds after the minute. This gives a
> constant 15 seconds a part between updates.
>
> Paul
>
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>
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>
>
>
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>
>

1259. RE: [tvnsp] $GPGGA AND $GPRMC

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-16 22:09:33 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 1219 Message: 1259

Correct, Paul. That's how our trackers and QTHs get into Findu: the IGates monitor 144.390 and feed it into the internet.

Bill B.

> -----Original Message-----
> From: verhap@... [mailto:verhap@...]
> Sent: Friday, November 16, 2001 8:00 AM
> To: tvnsp@yahoogroups.com
> Subject: RE: [tvnsp] $GPGGA AND $GPRMC
>
>
> > Strictly speaking, this isn't true. Findu and other
> websites depend on
> > internet feed to their sites to provide them data. This
> feed is provided via
> > IGates. So, all we'd have to do would be set up a temporary
> IGate on the
> > frequency we used.
>
> I stand corrected. I guess most Igates then, monitor 144.390.
>
> Paul
>
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> ---
> ~->
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
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>
>

1260. RE: [tvnsp] $GPGGA AND $GPRMC

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-16 22:04:35 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1219 Message: 1260

> I wasn't aware that there was that much interest in the balloons in the APRS
> community as a whole. Thanks for that information.

I think it's primarily because its new and seldom. If we were to
launch everyday, that would be a different matter. Sort of like the
space program. I think people like seeing an icon on their APRS
that says 100,000 feet. Come to think of it, so do I.

Paul

1261. RE: [tvnsp] Forecasted landings

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-16 22:11:07 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 1216 Message: 1261

Anybody got any steaks we could dope? >:->

Bill B.

> -----Original Message-----
> From: verhap@... [mailto:verhap@...]
> Sent: Friday, November 16, 2001 7:55 AM
> To: tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] Forecasted landings
>
>
> > Again in Emmett territory....I'm liking this more and more
> all the time.....
>
> Yeah, but it's in someone's yard that owns very big and mean dogs.
> Paul
>

1262. NWS

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-16 22:07:17 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1262 Message: 1262

I'm trying to contact the NWS about cloud cover for Sunday morning and about calling them early tomorrow. So far, all I get is their phone recording. I'm using 334-9860. Does anyone else have a different number? This one is suppose to be their administrative number.

Paul

1263. RE: [tvnsp] Forecasted landings

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-16 22:10:31 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1216 Message: 1263

> Anybody got any steaks we could dope? >:->

Better yet, we draw straws. The "winner" goes in first, giving the
rest of us a chance to grab the capsules. Bring lots of bactine.

Paul

1264. Re: [tvnsp] Posits, time slotting, etc.

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-16 22:16:12 UTC
From: Mark Conner
Topic: 1239 Message: 1264

Are you planning to have the balloon listen to 144.39?

I generally run my packages "deaf" to avoid the likelihood of having continuous data carrier detect at high altitudes. Most APRSers don't mind getting stepped on now and again by a special event like a balloon flight.

I have, however, set odd splits on the balloon's radio to listen to a simplex frequency but TX on 144.39. This allows me to digi my car's position through the balloon when I'm out of terrestrial digi range, but I don't have to listen to .39 with the balloon.

- Mark

----- Original Message -----
From: "Tim Rynearson" <n7ubo@...>
Date: Friday, November 16, 2001 3:53 pm
Subject: Re: [tvnsp] Posits, time slotting, etc.

> Jeff,
> It won't change the timing, just delay it until the frequency
> is clear. Also, the carrier detect needs to be set to SOFTWARE
> ('cd software' command).
>
> Tim.........
>
> -------Original Message-------
>
> From:Jeff Melanson
> Date: Friday, November 16, 2001 01:50:04 PM
> To:tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] Posits, time slotting, etc.
>
> Mark,
>
> That programming is just what I needed for the KPC-3Plus. Thanks.
>
> One more question. The KPC-3Plus will delay it's transmission if the
> freq is busy (if you allow it to litsen). Will that change the
> timing or
> just delay the transmission?
>
> Jeff
> KD7INN
>

1265. $GPGGA AND $GPRMC

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-16 22:18:49 UTC
From: Jeff Melanson
Topic: 1219 Message: 1265

I have programmed the TNC per Mark Conner's suggestion and tested it in the capsule. It work's as advertised. There will be a transmission every 15 seconds alternating the GGA and RMC strings.

For battery power I have an external battery pack of 4 AAA batteries in an insulated box inside the capsule. This provides 6 volts to the radio (Alinco DJ-S11). I had no problems on the last flight and still had plenty of battery power left over.

I also placed external battery's for the Etrex GPS in the battery box. The GPS senses the external power and runs on the external batteries. If the voltage drops to low it will switch to the internal batteries. I tested this to verify it.

The TNC has an internal 9 volt battery. This worked great on the last two flights.

1266. Re: [tvnsp] Posits, time slotting, etc.

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-16 22:22:03 UTC
From: Jeff Melanson
Topic: 1239 Message: 1266

Good point. I'll run it deaf. Thanks for the tip.

Jeff
KD7INN

Mark Conner wrote:
>
> Are you planning to have the balloon listen to 144.39?
>
> I generally run my packages "deaf" to avoid the likelihood of having
> continuous data carrier detect at high altitudes. Most APRSers don't
> mind getting stepped on now and again by a special event like a balloon
> flight.
>
> I have, however, set odd splits on the balloon's radio to listen to a
> simplex frequency but TX on 144.39. This allows me to digi my car's
> position through the balloon when I'm out of terrestrial digi range,
> but I don't have to listen to .39 with the balloon.
>
> - Mark
>
> ----- Original Message -----
> From: "Tim Rynearson" <n7ubo@...>
> Date: Friday, November 16, 2001 3:53 pm
> Subject: Re: [tvnsp] Posits, time slotting, etc.
>
> > Jeff,
> > It won't change the timing, just delay it until the frequency
> > is clear. Also, the carrier detect needs to be set to SOFTWARE
> > ('cd software' command).
> >
> > Tim.........
> >
> > -------Original Message-------
> >
> > From:Jeff Melanson
> > Date: Friday, November 16, 2001 01:50:04 PM
> > To:tvnsp@yahoogroups.com
> > Subject: Re: [tvnsp] Posits, time slotting, etc.
> >
> > Mark,
> >
> > That programming is just what I needed for the KPC-3Plus. Thanks.
> >
> > One more question. The KPC-3Plus will delay it's transmission if the

> > freq is busy (if you allow it to litsen). Will that change the
> > timing or
> > just delay the transmission?
> >
> > Jeff
> > KD7INN
> >
>
>
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1267. Re: [tvnsp] Forecasted landings

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-16 22:22:32 UTC
From: Tim Rynearson
Topic: 1216 Message: 1267
Attachments: 1 described; binary payloads are missing from this source WARC

Sounds like Emmett to me !!!!

Tim

-------Original Message-------

From:verhap@...
Date: Friday, November 16, 2001 02:21:13 PM
To:tvnsp@yahoogroups.com
Subject: Re: [tvnsp] Forecasted landings

> Again in Emmett territory....I'm liking this more and more all the time.....

Yeah, but it's in someone's yard that owns very big and mean dogs.
Paul

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1268. Batteries

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-16 22:18:04 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1219 Message: 1268

I discharged my batteries to 0.9 volts per cell and then recharged
them last night. I built a warm box for the main and radio batteries.
I'll double check battery voltages when I get home.

Paul

1269. RE: [tvnsp] Forecasted landings

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-16 22:24:57 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 1216 Message: 1269
Attachments: 1 described; binary payloads are missing from this source WARC

Hmmm. If Tim's that comfortable in Emmett, maybe he should be the one to run in the yard first?

Bill B.

-----Original Message-----
From: Tim Rynearson [mailto:n7ubo@...]
Sent: Friday, November 16, 2001 3:23 PM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] Forecasted landings

Sounds like Emmett to me !!!!

Tim

-------Original Message-------

From: verhap@... <mailto:verhap@...>
Date: Friday, November 16, 2001 02:21:13 PM
To: tvnsp@yahoogroups.com <mailto:tvnsp@yahoogroups.com>
Subject: Re: [tvnsp] Forecasted landings

> Again in Emmett territory....I'm liking this more and more all the time.....

Yeah, but it's in someone's yard that owns very big and mean dogs.
Paul

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1270. RE: [tvnsp] Forecasted landings

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-16 22:45:29 UTC
From: Tim Rynearson
Topic: 1216 Message: 1270
Attachments: 1 described; binary payloads are missing from this source WARC

Hey, if its MY yard, no problem.....and yes, my dogs are big too.

Tim

-------Original Message-------

From:BLOHM,BILL (HP-Boise,ex1)
Date: Friday, November 16, 2001 02:45:23 PM
To:'tvnsp@yahoogroups.com'
Subject: RE: [tvnsp] Forecasted landings

Hmmm. If Tim's that comfortable in Emmett, maybe he should be the one to run in the yard first?

Bill B.
-----Original Message-----
From: Tim Rynearson [mailto:n7ubo@...]
Sent: Friday, November 16, 2001 3:23 PM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] Forecasted landings

Sounds like Emmett to me !!!!

Tim

-------Original Message-------

From:verhap@...
Date: Friday, November 16, 2001 02:21:13 PM
To:tvnsp@yahoogroups.com
Subject: Re: [tvnsp] Forecasted landings

> Again in Emmett territory....I'm liking this more and more all the time.....

Yeah, but it's in someone's yard that owns very big and mean dogs.
Paul

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1271. NWS, pt2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-16 22:55:37 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1271 Message: 1271

Got through, finally.

We can call the BOI NWS at 334-9508 before the launch and see
where their sonde is at once it gewts to 300 mb.

Paul

1272. Re: [tvnsp] Posits, time slotting, etc.

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-17 04:29:07 UTC
From: Bill Herrmann
Topic: 1239 Message: 1272

At 02:53 PM 11/16/01 -0700, you wrote:
> It won't change the timing, just delay it until the frequency is
> clear. Also, the carrier detect needs to be set to SOFTWARE ('cd
> software' command).

Either software or internal should work for this purpose. Of course, if we're going to run the balloon "deaf" you could just set it to external and not supply that signal.

Bill

1273. Its a go!

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-17 05:23:37 UTC
From: John Knapp
Topic: 1271 Message: 1273

We are planning to meet at Valivue Junior High (old high school) no later than 5:00am. We will launch from the Rome Launch Site, need to be there around 6:30am.

This evenings prediction is holding up Mark's prediction for Saturday. I got the following for a 1000 fpm ascent rate:

Bearing: 47 degrees
Range: 80 miles
Minutes: 86

The max winds are at 35,000 ft, 74 mph, range 80 mi, and time of flight of 86 minutes.

At 800 fpm ascent, the figures are:

Bearing: 47 degrees
Range: 94.5 miles
Flight time: 142 minutes

See you in the morning.

John Knapp
KD7HGS

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http://personals.yahoo.com

1274. RE: [tvnsp] Its a go! *** Flight Manifest ***

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-17 06:28:40 UTC
From: K7JPS - John
Topic: 1271 Message: 1274

Here is the Flight Manifest
-- John Stone K7JPS

Treasure Valley Near Space Project
http://www.the-one.com/tvnsp
Flight Manifest

Flight: TV01H
Call Sign: KD7INN-11, KD4STH-11
Date: 11/17/2001

Primary
Launch Site: Rome Launch Site
Lat: 42.83637
Long: -117.62135
Alt:

Predicted Burst Altitude: 90,000 ft.

Launch Apparatus: 1500g Balloon

Module 1:
APRS On 144.390 MHz Call Sign KD7INN-11
Camcorder
Flight Termination Experiment - Pager Controlled - with Glider Release.
First Contact at 50,000' then Every 10,000'
Thermochron - Intern Serial Number: 4F21 Start Tim07:00
MST

Inter-Module Experiment
Thermal Insulation Experiment
MLI/Styro
N/N Thermochron 6D21 07:00
MST
Y/Y Thermochron CD21 07:00
MST
N/Y Thermochron B921 07:00
MST
Y/N On-board sensor

Module 2:
APRS On 144.390 MHz Call Sign KD4STH-11
APS Camera
Audio Beacon
Flight Termination Experiment - CC/PS controlled - Dropzond Xmits

Carrier on 147.31
RC Receiver
Simplex Repeater on 146.52

Flight Termination Unit Test - Timer Controlled
Located between Load Line from Balloon and Parachute
Set for10:00 MST (Launch Plus 150 minutes)

-----Original Message-----
From: John Knapp [mailto:kd7hgs@...]
Sent: Friday, November 16, 2001 22:24
To: tvnsp@yahoogroups.com
Subject: [tvnsp] Its a go!

We are planning to meet at Valivue Junior High (old
high school) no later than 5:00am. We will launch from
the Rome Launch Site, need to be there around 6:30am.

This evenings prediction is holding up Mark's
prediction for Saturday. I got the following for a
1000 fpm ascent rate:

Bearing: 47 degrees
Range: 80 miles
Minutes: 86

The max winds are at 35,000 ft, 74 mph, range 80 mi,
and time of flight of 86 minutes.

At 800 fpm ascent, the figures are:

Bearing: 47 degrees
Range: 94.5 miles
Flight time: 142 minutes

See you in the morning.

John Knapp
KD7HGS

_____
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1275. RE: Its a go! - - - where to find realtime balloon APRS on the net

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-17 14:44:08 UTC
From: Hank Riley
Topic: 1271 Message: 1275

To find TVNSP balloon mapped by APRS on the internet,
is the best place to go?

http://www.findu.com

Hank

Do You Yahoo!?
Find the one for you at Yahoo! Personals
http://personals.yahoo.com

1276. Re: [tvnsp] RE: Its a go! - - - where to find realtime balloon APRS on the net

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-17 16:20:55 UTC
From: Stephanie Steele
Topic: 1271 Message: 1276

Yes. Callsigns are KD4STH-11 & KD7INN-11

Hank Riley wrote:

> To find TVNSP balloon mapped by APRS on the internet,
> is the best place to go?
>
> http://www.findu.com
>
> Hank
>
> _____
> Do You Yahoo!?
> Find the one for you at Yahoo! Personals
> http://personals.yahoo.com
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

--
Stephanie

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

Send and receive money safely over the Internet by using PayPal. I use it and
highly recommend it as a safe and reliable means to conduct business. By
using the link below we both will receive a $5 sign up bonus.

https://www.paypal.com/refer/pal=kc7dba%40arrl.net

1277. Flight status

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-17 17:14:28 UTC
From: Mark Conner
Topic: 1277 Message: 1277

The balloon is on its way down now, currently at 15,000 ft a few miles SW of Caldwell. At least Paul will have a short drive home.

Burst was about 93,373' at 1630 UTC.

73 de Mark N9XTN

Mark D. Conner
E-mail: n9xtn@...
Homepage: http://members.home.net/mconner1
"Arrogance and stupidity, all in the same package.....how efficient of you!" - Ambassador Londo Mollari, Babylon 5

1278. TV01G has landed

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-17 17:43:16 UTC
From: Mark Conner
Topic: 1278 Message: 1278
Attachments: 1 described; binary payloads are missing from this source WARC

It appears TVNSP's recent flight is on the ground now. Last report was at less than 2800 ft. The attached map shows the balloon has landed within the Caldwell city limits, about a mile from Paul's house.

Hopefully it's not in a tree, building, or on the railroad tracks near the last position.

Just got one on-the-ground report - it's near a street corner and away from the tracks.

73 de Mark N9XTN

Mark D. Conner
E-mail: n9xtn@...
Homepage: http://members.home.net/mconner1
"Arrogance and stupidity, all in the same package.....how efficient of you!" - Ambassador Londo Mollari, Babylon 5

1279. Re: [tvnsp] TV01G has landed

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-17 20:25:10 UTC
From: Mike Garske
Topic: 1278 Message: 1279

Everyone,

I hate to be the bearer of the bad news, but TV01H landed in a set of live power lines, causing some heavy arcing between the capsules and lines. There was definite damage done to Pauls capsule...The Darigold dairy plant nearby is claiming to have lost power due to this, and claiming lost product, etc., but some businesses directly under the power lines did not lose their power at all.

Unfortunately, Idaho Power came out and retrieved the capsules from the lines, but would not let us have the capsules back. The foreman was very abrupt with Paul, and literally tossed the capsules and parachute into the back of the truck, and went to take off, without a single word to us. Luckily we stopped him and were allowed to turn the power off to the surviving gear before he left.

We did have a local TV reporter from FOX-TV come down to interview Paul and us, hope to see something positive and inexpensive result from this. The same TV station did a story on Paul before, so we hope they can help out in this situation.

A very dark day for TVNSP.......

Mike Garske KC7DPD

P.S. Any other questions in regards, please direct them to Paul.

----- Original Message -----
From: "Mark Conner" <mconner1@...>
To: "KNSP" <KNSP@yahoogroups.com>; "TVNSP List" <tvnsp@yahoogroups.com>
Sent: Saturday, November 17, 2001 10:43 AM
Subject: [tvnsp] TV01G has landed

> It appears TVNSP's recent flight is on the ground now. Last report was at
> less than 2800 ft. The attached map shows the balloon has landed within
the
> Caldwell city limits, about a mile from Paul's house.
>
> Hopefully it's not in a tree, building, or on the railroad tracks near the
> last position.
>
> Just got one on-the-ground report - it's near a street corner and away
from
> the tracks.
>
> 73 de Mark N9XTN
> ------

> Mark D. Conner
> E-mail: n9xtn@...
> Homepage: http://members.home.net/mconner1
> "Arrogance and stupidity, all in the same package.....how efficient
> of you!" - Ambassador Londo Mollari, Babylon 5
>
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>

1280. Re: [tvnsp] TV01G has landed

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-17 20:35:10 UTC
From: Tim Rynearson
Topic: 1278 Message: 1280
Attachments: 1 described; binary payloads are missing from this source WARC

I guess the one major question I have in this is.....When was Idaho Power given the authority to seize personal property ?

Tim...

-------Original Message-------

From:Mike Garske
Date: Saturday, November 17, 2001 12:44:52 PM
To:tvnsp@yahoogroups.com
Subject: Re: [tvnsp] TV01G has landed

Everyone,

I hate to be the bearer of the bad news, but TV01H landed in a set of live power lines, causing some heavy arcing between the capsules and lines. There was definite damage done to Pauls capsule...The Darigold dairy plant nearby is claiming to have lost power due to this, and claiming lost product, etc., but some businesses directly under the power lines did not lose their power at all.

Unfortunately, Idaho Power came out and retrieved the capsules from the lines, but would not let us have the capsules back. The foreman was very abrupt with Paul, and literally tossed the capsules and parachute into the back of the truck, and went to take off, without a single word to us. Luckily we stopped him and were allowed to turn the power off to the surviving gear before he left.

We did have a local TV reporter from FOX-TV come down to interview Paul and us, hope to see something positive and inexpensive result from this. The same TV station did a story on Paul before, so we hope they can help out in this situation.

A very dark day for TVNSP.......

Mike Garske KC7DPD

P.S. Any other questions in regards, please direct them to Paul.

----- Original Message -----
From: "Mark Conner" <mconner1@...>
To: "KNSP" <KNSP@yahoogroups.com>; "TVNSP List" <tvnsp@yahoogroups.com>
Sent: Saturday, November 17, 2001 10:43 AM
Subject: [tvnsp] TV01G has landed

> It appears TVNSP's recent flight is on the ground now. Last report was at
> less than 2800 ft. The attached map shows the balloon has landed within

the
> Caldwell city limits, about a mile from Paul's house.
>
> Hopefully it's not in a tree, building, or on the railroad tracks near the
> last position.
>
> Just got one on-the-ground report - it's near a street corner and away
from
> the tracks.
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> ------
> Mark D. Conner
> E-mail: n9xtn@...
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> "Arrogance and stupidity, all in the same package.....how efficient
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>
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> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
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To unsubscribe from this group, send an email to:
tvnsp-unsubscribe@egroups.com

Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

1281. Re: [tvnsp] TV01H has landed

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-17 21:17:10 UTC
From: Mark Conner
Topic: 1281 Message: 1281

Oh my goodness......this is certainly worse than the experience I had with power lines. If it's any consolation, KD7INN-11 was still functioning after contact with the lines, and perhaps at the time it was shut off. So when you do get the payload back, it should have usable parts.

Below is a findu.com database extract, showing the payload still moving at 1727Z, stationary at 1736Z, and transmitting a few posits between 1825Z and 1832Z.

KD7INN-11>GPSPO,WIDE3-2/1:$GPGGA,172728,4340.3554,N,11641.5955,W,1,08,1.5,858.4,M,-18.4,M,,*7F
KD7INN-11>GPSPO,WIDE3-1/1:$GPRMC,172744,A,4340.3022,N,11641.5445,W,15.9,139.4,171101,15.4,E,A*0C
KD7INN-11>GPSPO,WIDE3-2/1:$GPRMC,173614,A,4340.2576,N,11641.4587,W,0.0,166.3,171101,15.4,E,A*32
KD7INN-11>GPSPO,SHEPRD*,WIDE3/V:$GPGGA,173628,4340.2570,N,11641.4577,W,1,08,1.8,729.2,M,-18.4,M,,*77
KD7INN-11>GPSPO,WIDE3-2/1:$GPRMC,182544,A,4340.2662,N,11641.4503,W,0.0,259.1,171101,15.4,E,A*3D
KD7INN-11>GPSPO,WIDE3-2/1:$GPRMC,182644,A,4340.2666,N,11641.4486,W,0.0,87.0,171101,15.4,E,A*06
KD7INN-11>GPSPO,WIDE3-2/1:$GPRMC,182714,A,4340.2654,N,11641.4482,W,0.0,87.0,171101,15.4,E,A*07
KD7INN-11>GPSPO,WIDE3-2/1:$GPRMC,183214,A,4340.2662,N,11641.4502,W,0.0,120.7,171101,15.4,E,A*34

Sorry to hear of the unfortunate outcome, and hope there are no further consequences.

73 de Mark N9XTN

----- Original Message -----
From: "Mike Garske" <kc7dpd@...>
To: <tvnsp@yahoogroups.com>
Sent: Saturday, November 17, 2001 14:25
Subject: Re: [tvnsp] TV01G has landed

> Everyone,
>
>
> I hate to be the bearer of the bad news, but TV01H landed in a set of
> live power lines, causing some heavy arcing between the capsules and
lines.
> There was definite damage done to Pauls capsule...The Darigold dairy plant
> nearby is claiming to have lost power due to this, and claiming lost
> product, etc., but some businesses directly under the power lines did not

> lose their power at all.
>
> Unfortunately, Idaho Power came out and retrieved the capsules from
the
> lines, but would not let us have the capsules back. The foreman was very
> abrupt with Paul, and literally tossed the capsules and parachute into the
> back of the truck, and went to take off, without a single word to us.
> Luckily we stopped him and were allowed to turn the power off to the
> surviving gear before he left.
>
> We did have a local TV reporter from FOX-TV come down to interview Paul
and
> us, hope to see something positive and inexpensive result from this. The
> same TV station did a story on Paul before, so we hope they can help out
in
> this situation.
>
> A very dark day for TVNSP.......
>
> Mike Garske KC7DPD
>
> P.S. Any other questions in regards, please direct them to Paul.
>
>

1282. Re: [tvnsp] TV01G has landed

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-18 00:15:46 UTC
From: Stephanie Steele
Topic: 1278 Message: 1282

That exact thought was what prompted my somewhat inappropriate comments about 'power nazis' and other off the cuff remarks on the repeater. Idaho Power normally will bill you (or put a lien on your real estate) for causing them to send a repair crew to any of their equipment because of your negligence. I have never known them to sieze property that did not intentionally or negligently come in contact with their equipment, and certainly this was unavoidable. I was even more upset to learn that apparantly the repair crew made little or no effort to provide anyone associated with TVNSP with their names, a reciept for the equipment, or any information on who to contact to inquire about retrieving the equipment (that I don't believe they had any right to take). I have several friends that work for Idaho Power, one who is quite high on the food chain. If I can be of any service to help get the equipment back just ask.

Stephanie

Tim Rynearson wrote:

>
>
I guess the one major question I have in this is.....When was
Idaho Power given the authority to seize personal property
? Tim...
-------Original Message-------

From:Mike Garske
Date: Saturday, November 17, 2001 12:44:52 PM
To:tvnsp@yahoogroups.com
Subject: Re: [tvnsp] TV01G has landed
Everyone,

I hate to be the bearer of the bad news, but TV01H landed in a set
of
live power lines, causing some heavy arcing between the capsules
and lines.
There was definite damage done to Pauls capsule...The Darigold
dairy plant
nearby is claiming to have lost power due to this, and claiming
lost
product, etc., but some businesses directly under the power lines
did not
lose their power at all.

Unfortunately, Idaho Power came out and retrieved the capsules
from the

lines, but would not let us have the capsules back. The foreman was very
abrupt with Paul, and literally tossed the capsules and parachute into the
back of the truck, and went to take off, without a single word to us.
Luckily we stopped him and were allowed to turn the power off to the
surviving gear before he left.

We did have a local TV reporter from FOX-TV come down to interview Paul and
us, hope to see something positive and inexpensive result from this. The
same TV station did a story on Paul before, so we hope they can help out in
this situation.

A very dark day for TVNSP.......

Mike Garske KC7DPD

P.S. Any other questions in regards, please direct them to Paul.

----- Original Message -----
From: "Mark Conner" <mconner1@...>
To: "KNSP" <KNSP@yahoogroups.com>; "TVNSP List" <tvnsp@yahoogroups.com>
Sent: Saturday, November 17, 2001 10:43 AM
Subject: [tvnsp] TV01G has landed

> It appears TVNSP's recent flight is on the ground now. Last report was at
> less than 2800 ft. The attached map shows the balloon has landed within
the
> Caldwell city limits, about a mile from Paul's house.
>
> Hopefully it's not in a tree, building, or on the railroad tracks near the
> last position.
>
> Just got one on-the-ground report - it's near a street corner and away
from
> the tracks.
>
> 73 de Mark N9XTN
> ------
> Mark D. Conner
> E-mail: n9xtn@...
> Homepage: http://members.home.net/mconner1

> "Arrogance and stupidity, all in the same package.....how
efficient
> of you!" - Ambassador Londo Mollari, Babylon 5
>
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>
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> tvnsp-unsubscribe@egroups.com
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tvnsp-unsubscribe@egroups.com

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> ____
> IncrediMail - Email has finally evolved - Click Here
> Yahoo! Groups Sponsor
[Image]

>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to the Yahoo! Terms of Service.

--
Stephanie

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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https://www.paypal.com/refer/pal=kc7dba%40arrl.net

1283. Re: [tvnsp] TV01G has landed

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-18 01:00:37 UTC
From: Bill Herrmann
Topic: 1278 Message: 1283

>I have never known them to sieze property that did not intentionally or
>negligently come in contact with their equipment, and certainly this was
>unavoidable.

Definitely so. The messages for the past few days show a stong effort to pick a launch site that was predicted to be in a wide open area. The track I have at my QTH shows a very noticeable change of direction in the last few minutes of flight. (The previous direction would have been better.)

At this point I, personally, would recommend that we avoid any speculation about the actions of any one individual until Paul has a chance to work with Idaho Power to find out what is necessary to recover the equipment. I will mention that a Channel 12 (KTRV - Fox) news crew did make an appearance so I'll suggest we watch their news tonight. (Paul did a fine job on the interview IMO.)

I'll also suggest that all of us save any prediction data, wind data, messages that we may still have in case they are needed. Of course, I also have purely selfish reasons in that I did not have a chance to run predictions and would like to try my hand at it.

>(that I don't believe they had any right to take).

It appears that this individual may be in some way associated with the Caldwell police department, though I do not believe he ever identified himself as such. If someone knows how to get in touch with Paul please let me know off list. (The number I have is no longer connected.) I have an antenna question and some other information for him. (Just a reminder that this list is publicly viewable, so we probably shouldn't publish phone numbers etc. on it.)

>several friends that work for Idaho Power, one who is quite high on the
>food chain. If I can be of any service to help get the equipment back
>just ask.

Let's hope it doesn't come to that.

Bill
KD7MJC

1284. Tracking question

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-18 01:12:17 UTC
From: Bill Herrmann
Topic: 1281 Message: 1284

During the chase we received virtually no data from KD4STH-11. However, it appears that both of our home locations did. It happens we both run virtually identical antennas at home (aluminum J-Poles) so that is one possible explanation.

While we were on the move I suspected it might be related to the software but we both run the same software at home as we were running for the chase, so that seems unlikely. We got a large quantity of data from KD7INN-11 so I'm not sure that I'm willing to believe it's completely receiving station related.

What differences exist between the two capsules that might help explain this? What type of antenna is on the KD7INN capsule? What else?

For the APRS side of things we were running an Alinco DJ195 HT with a linear amp. I've used this setup quite a bit for sending data but not as much for receiving data. They were connected to a KPC3+ with 8.2FW (yes, they made some) Software was APRS+SA 2.01. Bill's QTH was likely on exactly the same version. Mine has a patch on to prevent it from inappropriately gating internet traffic to RF. (A recent fix, which I applied after midnight when I was discovered the problem while prepping for the launch.) Part way through the chase I turned on the built-in preamp in the linear amp. It didn't seem to make any difference.

Any thoughts?

Bill

1285. Re: [tvnsp] TV01H has landed

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-18 01:19:56 UTC
From: Bill Herrmann
Topic: 1281 Message: 1285

At 03:17 PM 11/17/01 -0600, you wrote:
>If it's any consolation, KD7INN-11 was still functioning after
>contact with the lines, and perhaps at the time it was shut off. So when
>you do get the payload back, it should have usable parts.

KD7INN-11 was the top capsule. KD4STH-11 was the bottom capsule. It had the simplex voice repeater and audio beacon on board. Both were still working. (We've told Paul that he has to include a way to remotely shut off the audio beacon in future flights or we'll improvise. <grin> We had to listen to it for some time.)

There was some external damage done to the bottom capsule, but the arcing appeared to come from the additional wind loading swinging the lines together rather than from the capsule or it's connecting lines shorting them.

Bill

1286. Re: [tvnsp] TV01G has landed

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-18 01:43:28 UTC
From: Stephanie Steele
Topic: 1278 Message: 1286

Which individual is associated with Caldwell PD?. Maybe I know him or know someone who does and we can talk cop to cop. Just offering.

Stephanie

Bill Herrmann wrote:

> >I have never known them to sieze property that did not intentionally or
> >negligently come in contact with their equipment, and certainly this was
> >unavoidable.
>
> Definitely so. The messages for the past few days show a stong effort to
> pick a launch site that was predicted to be in a wide open area. The track
> I have at my QTH shows a very noticeable change of direction in the last
> few minutes of flight. (The previous direction would have been better.)
>
> At this point I, personally, would recommend that we avoid any speculation
> about the actions of any one individual until Paul has a chance to work
> with Idaho Power to find out what is necessary to recover the equipment. I
> will mention that a Channel 12 (KTRV - Fox) news crew did make an
> appearance so I'll suggest we watch their news tonight. (Paul did a fine
> job on the interview IMO.)
>
> I'll also suggest that all of us save any prediction data, wind data,
> messages that we may still have in case they are needed. Of course, I also
> have purely selfish reasons in that I did not have a chance to run
> predictions and would like to try my hand at it.
>
> >(that I don't believe they had any right to take).
>
> It appears that this individual may be in some way associated with the
> Caldwell police department, though I do not believe he ever identified
> himself as such. If someone knows how to get in touch with Paul please let
> me know off list. (The number I have is no longer connected.) I have an
> antenna question and some other information for him. (Just a reminder that
> this list is publicly viewable, so we probably shouldn't publish phone
> numbers etc. on it.)
>
> >several friends that work for Idaho Power, one who is quite high on the
> >food chain. If I can be of any service to help get the equipment back
> >just ask.
>
> Let's hope it doesn't come to that.
>
> Bill
> KD7MJC

>
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--
Stephanie

****

"They that can give up essential liberty to obtain a little temporary
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Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
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****

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https://www.paypal.com/refer/pal=kc7dba%40arrl.net

1287. News tonight

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-18 02:24:31 UTC
From: paulson58@juno.com
Topic: 1287 Message: 1287

I provided 22 minutes of todays footage to the Channel 12 folks. About half of it was the pre-launch prep out in Oregon. You made a few prophetic comments Paul.
I gave them the rest from various scenes while we waited at the Landing site. Also, the descent we caught from the Highway.
They said there will be about 30 seconds of story taken from all the footage they have. That's theres and ours combined. It will be on the 9:00 news tonight.

I will be making a copy of all the Footage Paul. I think you will be quite pleased with a lot of the footage at the Launch site. I'm sure you will even get ideas for how to fill in missing pieces of your educational tape.

Dan
KD7OST

1288. Re: [tvnsp] News tonight

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-18 02:45:27 UTC
From: Tim Rynearson
Topic: 1287 Message: 1288
Attachments: 1 described; binary payloads are missing from this source WARC

Dan, could I get a copy of the tape, too ?

Tim
N7UBO

-------Original Message-------

From:paulson58@...
Date: Saturday, November 17, 2001 06:44:48 PM
To:tvnsp@yahoogroups.com
Subject: [tvnsp] News tonight

I provided 22 minutes of todays footage to the Channel 12 folks.
About half of it was the pre-launch prep out in Oregon. You made a
few prophetic comments Paul.
I gave them the rest from various scenes while we waited at the
Landing site. Also, the descent we caught from the Highway.
They said there will be about 30 seconds of story taken from all the
footage they have. That's theres and ours combined. It will be on the
9:00 news tonight.

I will be making a copy of all the Footage Paul. I think you will be
quite pleased with a lot of the footage at the Launch site. I'm sure
you will even get ideas for how to fill in missing pieces of your
educational tape.

Dan
KD7OST

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tvnsp-unsubscribe@egroups.com

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1289. Re: [tvnsp] News tonight

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-18 03:02:51 UTC
From: John Knapp
Topic: 1287 Message: 1289

When I returned home I did a calculation from this
mornings data. The result was different from what
actually occurred. Apparently the winds were changing
as we launched the balloon. I have the data printed
off and if anyone wants or needs it I will make copies
of it.

John Knapp
KD7HGS
--- paulson58@... wrote:
> I provided 22 minutes of todays footage to the
> Channel 12 folks.
> About half of it was the pre-launch prep out in
> Oregon. You made a
> few prophetic comments Paul.
> I gave them the rest from various scenes while we
> waited at the
> Landing site. Also, the descent we caught from the
> Highway.
> They said there will be about 30 seconds of story
> taken from all the
> footage they have. That's theres and ours combined.
> It will be on the
> 9:00 news tonight.
>
> I will be making a copy of all the Footage Paul. I
> think you will be
> quite pleased with a lot of the footage at the
> Launch site. I'm sure
> you will even get ideas for how to fill in missing
> pieces of your
> educational tape.
>
> Dan
> KD7OST
>
>

_____
Do You Yahoo!?
Find the one for you at Yahoo! Personals
http://personals.yahoo.com

1290. Re: News tonight

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-18 03:43:34 UTC
From: paulson58@juno.com
Topic: 1287 Message: 1290

Dan, could I get a copy of the tape, too ?

Tim
N7UBO

Can do Tim. E-mail me at my home for contact information.
I won't be able to get it done for a few days to a week.

Dan
KD7OST

1291. Re: News tonight

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-18 04:30:33 UTC
From: paulson58@juno.com
Topic: 1287 Message: 1291

They said there will be about 30 seconds of story taken from all the footage they have.

Dan
KD7OST

The early parts didn't look to good on the TV Broadcast. I didn't catch that I had started recording the tape for them on my VCR from my Camcorder in SLP mode. They had to then copy that into their format. That's my bust for trying to hurry while living out of Boxes.

The original is really clear as will be our copies.

They got it clear where it counts. Good job Paul.

Dan
KD7OST

1292. Re: [tvnsp] Re: News tonight

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-18 06:10:23 UTC
From: Bill Herrmann
Topic: 1287 Message: 1292

At 04:30 AM 11/18/01 +0000, you wrote:
>They got it clear where it counts. Good job Paul.

I think they were right on target as far as the "right" message for this point in the process. Considering what they had to work with and the time constraints I thought they did a nice job of covering the works enough to make the point.

Bill

1293. ...and now for something completely different

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-18 06:48:40 UTC
From: Bill Herrmann
Topic: 1293 Message: 1293

Ran across this site while looking for some other information:

http://www.rckara.org/project_traveler/aprs_transmitter.htm

Their main site is at http://www.rckara.org/project_traveler/ and includes a nicely done logo.

Sounds like they're just getting started. (I don't recall seeing a link on our page, but apologies if I missed it.)

Bill

1294. Re: Tracking question

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-18 07:09:16 UTC
From: zclobes@swbell.net
Topic: 1281 Message: 1294

I'm not sure if this is what happened, but we had a similar problem - our testing/home stations would receive but HT's/scanners wouldn't receive on the chase. After talking to a tech at Kantronics, he felt that it was an output-impedance mismatch to the TNC. His theory was that the mobile radios have a lower output impedance than the HTs that are designed to drive small speakers/headphones and the load resistor in the TNC was loading it down too much. I haven't had time to confirm it but it sounds logical.

Our symptoms were similar to yours - our home station would receive just fine (as well as others that were watching the balloon) but the chase vehicles (with HT's) would only receive about 20% of the transmitted packets.
Zack Clobes, W0ZC

--- In tvnsp@y..., Bill Herrmann <bherrman@m...> wrote:
> During the chase we received virtually no data from KD4STH-11. However, it
> appears that both of our home locations did. It happens we both run
> virtually identical antennas at home (aluminum J-Poles) so that is one
> possible explanation.
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> While we were on the move I suspected it might be related to the software
> but we both run the same software at home as we were running for the chase,
> so that seems unlikely. We got a large quantity of data from KD7INN-11 so
> I'm not sure that I'm willing to believe it's completely receiving station
> related.
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> What differences exist between the two capsules that might help explain
> this? What type of antenna is on the KD7INN capsule? What else?
>
> For the APRS side of things we were running an Alinco DJ195 HT with a
> linear amp. I've used this setup quite a bit for sending data but not as
> much for receiving data. They were connected to a KPC3+ with 8.2FW (yes,
> they made some) Software was APRS+SA 2.01. Bill's QTH was likely on exactly

> the same version. Mine has a patch on to prevent it from
inappropriately
> gating internet traffic to RF. (A recent fix, which I applied after
> midnight when I was discovered the problem while prepping for the
launch.)
> Part way through the chase I turned on the built-in preamp in the
linear
> amp. It didn't seem to make any difference.
>
> Any thoughts?
>
> Bill

1295. Re: ...and now for something completely different

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-18 07:15:53 UTC
From: zclobes@swbell.net
Topic: 1293 Message: 1295

It's been developed quite a bit from the information that's on the site currently. I just submited an article on it to QST (haven't heard back from them yet) so I've pulled most of the info from the website. Currently it's based on a PIC16F876/20 uP and fits on a 3x4 inch PCB. A daughterboard plugs into the back of the PCB to interface with whatever type of I/O is needed.

Zack Clobes, W0ZC
Project: Traveler

--- In tvnsp@y..., Bill Herrmann <bherrman@m...> wrote:
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> http://www.rckara.org/project_traveler/aprs_transmitter.htm
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> a nicely done logo.
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> Sounds like they're just getting started. (I don't recall seeing a link on
> our page, but apologies if I missed it.)
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> Bill

1296. Re: [tvnsp] Re: Tracking question

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-18 07:26:09 UTC
From: Stephanie Steele
Topic: 1281 Message: 1296

Hi all,

Thought I'd throw my .02 in here. I had a 100% track on Jeff's tracker from liftoff to landing to electrocution and beyond but only erratic reception of Paul's. From about 9k on up I heard the capsule direct. I was listening with my normal base station consisting of a pair of 13 element yagi antenna's aimed to point directly at the balloon's position, and my regular APRS station which is a Yaesu FT-2600M and Kantronics KPC-3+. I also recieved a message from Dave Dobbins K7GPS in PeEl, Washington, who enjoyed watching the flight but commented that Paul's station was sending out some corrupted packets. I think this might help explain the erratic reception of Paul's tracker.

Also, the best altitude that I have found in the log is 94016 feet. Did anyone get anything else?

Stephanie

zclobes@... wrote:

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> our testing/home stations would receive but HT's/scanners wouldn't
> receive on the chase. After talking to a tech at Kantronics, he felt
> that it was an output-impedance mismatch to the TNC. His theory was
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--
Stephanie

****

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safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

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1297. Re: [tvnsp] Re: Tracking question

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-18 07:28:27 UTC
From: Stephanie Steele
Topic: 1281 Message: 1297

.....Oops! I meant to add that I recieved 383 position reports from KD7INN-11 and 10 from KD4STH-11.

--
Stephanie

****

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1298. Positive lift figure for Saturday's launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-18 13:42:47 UTC
From: Hank Riley
Topic: 1298 Message: 1298

I'd normally ask Paul this off list, but he
might have more important things on his mind
right now.

We're doing an experiment and I'm wondering if
there's anyone on the list today who could supply
the measured free lift in pounds or ounces that the
balloon achieved at full inflation before it
was released.

Paul refers to this as "positive lift" and it
would be something like a few pounds. I need
the actual value in this instance, not merely a ballpark
amount that TVNSP customarily uses as a general rule.

It doesn't have to be to the ounce, but I'm hoping someone
has a scale or other measurement to within 4 ounces or even
8 ounces.

When the dust settles from this unfortunate landing
accident, I'd like to do a few more posts about balloon
lift and inflation planning. Paul, Mark, and I had
moved this discussion subject off the list and into
direct email for a few days to cut down on list
clutter.

Hank

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http://personals.yahoo.com

1299. Off topic: Meteors awesome in Massachusetts

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-18 13:51:19 UTC
From: Hank Riley
Topic: 1299 Message: 1299

By far the most spectacular I've seen in over 40
years of watching (I started young). Missed the
giant one in 1966; I was just reading it was only
good in Western US.

Anyway, at around 5:15 AM EST the one observer rate
I timed for 30 meteors was about 7 minutes, so
it was almost 300/hour. After that I concentrated
on just watching and taking pictures, but I think it
picked up a little by 5:30 AM. With a brightening
sky at 6:07 AM, still saw 2 bright ones within seconds
of each other toward the northwest away from sunrise!

Talked to someone at a better location with
totally clear view to the horizon, and he had
about 600/hour (average of 10 a minute for several
one minute periods), but that may have been with two
people spotting.

Hank

_____
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http://personals.yahoo.com

1300. Re: [tvnsp] Re: Tracking question

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-18 15:53:32 UTC
From: Randy Farley
Topic: 1281 Message: 1300

I did not get to watch the flight live. But i reviewed the positions in my "history" page. I got 376 reports from Jeff's capsule and 54 from Paul's. It looked like Pauls rmc string only worked part of the time.Looking back through my 'tnc" tab in SA+ the RMC string would not show lat/lon except for every 4th or 5th transmission. Looks like the controller is not working quite right yet.Just my quick observation. Sorry to hear about the bad landing. I do have a log and can provide screen shots with altitude risers on Street Atlas for those that have the program.

BTW, it is Interesting that the balloon appeared to climb in a clocwise spiral to its peak altitude without much north easterly movement as predicted. It almost appeared to be a floater for awhile. It did parall the predicted path perfectlly up till burst and beyond. Just did not go north far enough to miss the pesky power lines. Just my amateur observations.

Stephanie Steele wrote:
>
> .....Oops! I meant to add that I recieved 383 position reports from
> KD7INN-11 and 10 from KD4STH-11.
>
> --
> Stephanie
>
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--
Regards,
Randy Farley
N7GPS -Ham Call-
My Home at: http://map.findu.com/n7gps
Find my pickup at: http://map.findu.com/n7gps-9
Also see daily weather radar reports for my location at:
(scroll to bottom of page)
http://www.findu.com/cgi-bin/find.cgi?call=n7gps&radar=CBX

1301. Re: Positive lift figure for Saturday's launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-18 16:21:00 UTC
From: paulson58@juno.com
Topic: 1298 Message: 1301

> We're doing an experiment and I'm wondering if
> there's anyone on the list today who could supply
> the measured free lift in pounds or ounces that the
> balloon achieved at full inflation before it
> was released.
>
>
> Hank

Hank-

I can get you half way there. Upon completion of filling the Balloon, it had 20.3 pounds of lift.
I do know the Capsules and tempurature experiment ring were weighed the night before launch, but don't have those figures, or how much the Chute weighed. You can probably add an ounce to the measured figures just to be safe. The welded ring, Jute rigging lines and Duct tape used to keep all ends from flying free are not weighed. They only come to an ounce or less I would guess.

Dan
KD7OST

1302. Re: [tvnsp] Re: Positive lift figure for Saturday's launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-18 16:49:45 UTC
From: Hank Riley
Topic: 1298 Message: 1302

Dan,

Thanks. I have the weight payloads pretty close from
data supplied by Paul midweek.

Those weights might be subject to minor revision, but
we'll have to see.

Hank

> I can get you half way there. Upon completion of filling
> the Balloon, it had 20.3 pounds of lift.

_____
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http://personals.yahoo.com

1303. Re: [tvnsp] Re: Tracking question

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-18 17:42:46 UTC
From: Jeff Melanson
Topic: 1281 Message: 1303

Hi all,

We had a good track on my balloon (KD7INN-11) but saw corrupted data from Paul's balloon (KD4STH-11). I have two 2-meter antennas. One for APRS and one for communication. When we were busy talking that would interfere with the reception of data from both capsules. This is probably to be expected since the antenna's are close together. One is on the front of the cab and the other is on the back of the cab. About 3 feet apart.

Jeff Melanson
KD7INN

Stephanie Steele wrote:
>
> Hi all,
>
> Thought I'd throw my .02 in here. I had a 100% track on Jeff's tracker from
> liftoff to landing to electrocution and beyond but only erratic reception of
> Paul's. From about 9k on up I heard the capsule direct. I was listening with
> my normal base station consisting of a pair of 13 element yagi antenna's
> aimed to point directly at the balloon's position, and my regular APRS
> station which is a Yaesu FT-2600M and Kantronics KPC-3+. I also recieved a
> message from Dave Dobbins K7GPS in PeEl, Washington, who enjoyed watching the
> flight but commented that Paul's station was sending out some corrupted
> packets. I think this might help explain the erratic reception of Paul's
> tracker.
>
> Also, the best altitude that I have found in the log is 94016 feet. Did
> anyone get anything else?
>
> Stephanie
>
> zclobes@... wrote:
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> > I'm not sure if this is what happened, but we had a similar problem -
> > our testing/home stations would receive but HT's/scanners wouldn't
> > receive on the chase. After talking to a tech at Kantronics, he felt
> > that it was an output-impedance mismatch to the TNC. His theory was
> > that the mobile radios have a lower output impedance than the HTs
> > that are designed to drive small speakers/headphones and the load
> > resistor in the TNC was loading it down too much. I haven't had time
> > to confirm it but it sounds logical.
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> > Our symptoms were similar to yours - our home station would receive
> > just fine (as well as others that were watching the balloon) but the

> > chase vehicles (with HT's) would only receive about 20% of the
> > transmitted packets.
> > Zack Clobes, W0ZC
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> > --- In tvnsp@y..., Bill Herrmann <bherrman@m...> wrote:
> > > During the chase we received virtually no data from KD4STH-11.
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> > > related.
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> > > For the APRS side of things we were running an Alinco DJ195 HT with
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> > launch.)
> > > Part way through the chase I turned on the built-in preamp in the
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> > > Any thoughts?
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> --
> Stephanie
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1304. Mission Number

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-18 18:57:47 UTC
From: paulson58@juno.com
Topic: 1304 Message: 1304

All-

I am Labeling the Tapes from the Launch. I have seen it referred to as TV01G and TV01H. Since I already have a capsule recording from Jeff labeled TV01G, Can I assume this mission was TV01H? Also, Can someone tell me how the Number is read? It seems like TV would be Treasure Valley, 01 would be 2001 and the Alpha designator must relate to that Years Launch? IE. A then B then C etc? I'm not to sure.

Dan
KD7OST

1305. Re: [tvnsp] Mission Number

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-18 19:14:51 UTC
From: Jeff Melanson
Topic: 1304 Message: 1305

This mission was TV01H. I dont know the answer to the rest of it.

Jeff

paulson58@... wrote:
>
> All-
>
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> as TV01G and TV01H. Since I already have a capsule recording from
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1306. RE: [tvnsp] Re: Tracking question

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-18 19:18:53 UTC
From: K7JPS - John
Topic: 1281 Message: 1306

I'm more inclined to think that there might be something with mem module that Paul uses, and the output string he transmits. I believe that everyone in the chase convoy except for myself was using a mobile radio rather then an HT. I also believe that they were seeing raw data on the TNC tab from KD4STH-11 even though it was not being parsed into the tracking tabs.

I have a Kenwood TH-D7A with a Garmin GPS 12 but the HT locked up on me about 4 times before I finally shut APRS down. When the HT locked up, the squelch on the Data band would remain open and no keys would respond, the only way to unlock it was to disconnect the battery, and then the HT would power back on to the state that it had been the last time it was successfully powered down. The only exception to this was that all of the APRS settings had been reset to factory defaults except for the status message which still read TV01H Chase.

John Stone
K7JPS
-----Original Message-----
From: Stephanie Steele [mailto:kc7dba@...]
Sent: Sunday, November 18, 2001 00:26
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] Re: Tracking question

Hi all,

Thought I'd throw my .02 in here. I had a 100% track on Jeff's tracker from
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Stephanie

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Stephanie

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1307. Tape

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-18 19:30:22 UTC
From: paulson58@juno.com
Topic: 1307 Message: 1307

Paul-

I've started this message several times and dumped it. I've looked through the tapes pretty well by now. Some of it evokes the thrill of the chase in a big way. Parts of the end Tick me off today in a way I felt detached from yesterday. I have found myself having a hard time holding back from beating up on the behavior of a certain someone. I do realize that to do so in this forum would be a grave error on my part.

I have weeded out Two hours of pretty good viewing from the Raw Tapes. I think you will like it. I can get you a copy ASAP for your viewing.

Also, I would be more than happy to join you on a trip to recover the equipment when you do so. I will bring the Camera to document any further equipment demise that may have continued. It may look like Roswell's weather ballon scrap by the time you see it again.

When I was on Jump status in Ft Bragg the Jump Master used to tell us, "If your reserve should accidently deploy when the doors are open, You had better beat it out the door no matter where we are. We don't need a hundred thousand dollars damage to the Air Forces' C-130 because your remains peals that doorway all the way down to the tailgate". (Shudder) We protected our chutes inside the Aircraft.

Your Chute was not controled in the back of the transporting vehicle. I hope it didn't "catch air" and pull the capsules out the back while travelling down the road.

Dan
KD7OST

1308. Re: [tvnsp] Re: Tracking question

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-19 07:52:28 UTC
From: Bill Herrmann
Topic: 1281 Message: 1308

At 07:09 AM 11/18/01 +0000, you wrote:
>Our symptoms were similar to yours - our home station would receive
>just fine (as well as others that were watching the balloon) but the
>chase vehicles (with HT's) would only receive about 20% of the
>transmitted packets.

In this case I was receiving one of the 2 capsules just fine and the other one wasn't.

I can't tell you how many we received on the chase since we were using (the other) Bill's laptop so that mine could stay home and play IGate. Of course, you could all go look at how many packets I got since they also went to the internet servers. <grin> To save you the trouble my home station got 365 positions for KD7INN-11 and only 89 for KD4STH-11. It is using a dual band J-pole at approximately 30 feet HAAT.

BTW for those not familiar with FindU's other capabilities check out
http://www.findu.com/cgi-bin/track.cgi?call=kd7inn-11&start=96&length=96
(You'll have to change those 96's to a higher value after a couple days)
You can just see a blob at the lower left where the balloon spent some time spiraling.

I was also watching the TNC data coming through and it didn't look like I was seeing it there either, so I don't think it was APRS+ filtering out the data. However, it occurs to me that a small distortion in tone output from that lower capsule could make it hard for a TNC to decode.

Sounds like some tests might be in order once the equipment is available to test.

Bill

1309. It's contagious!

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-19 08:01:25 UTC
From: Bill Herrmann
Topic: 1309 Message: 1309

The "forgot to mention" disease that is! (Thanks a lot Stephanie!)

Forgot to mention that we were not having the desense problem that somebody mentioned when we were talking voice. However, I had the mobile radio on Cinnabar and was using my HT for simplex communications so that antenna was at least somewhat shielded by vehicle roof from the APRS antenna. I'm not sure which antenna we were using for APRS, but we had a pair of mag mounts on the roof too. (One dual band and one 5/8 whip for 2M.)

Bill

p.s. Since I'm sending another message also check out
http://www.findu.com/cgi-bin/track.cgi?call=kd4sth-11&start=96&length=96
and contrast that with the last one.

1310. Re: [tvnsp] TV01G has landed

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-19 14:35:35 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1278 Message: 1310

I have
> several friends that work for Idaho Power, one who is quite high on the
> food chain. If I can be of any service to help get the equipment back
> just ask.

Stephanie, if you could, can you talk to them? I'll make a call
today and see if I can record the capsules.

Paul

1311. Re: [tvnsp] Tracking question

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-19 14:37:18 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1281 Message: 1311

Bill, can you please email me a copy of your log?

Paul

1312. Re: [tvnsp] TV01G has landed

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-19 14:38:00 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1278 Message: 1312

> Which individual is associated with Caldwell PD?. Maybe I know him or know
> someone who does and we can talk cop to cop. Just offering.

Was that Santos?

Paul

1313. Re: [tvnsp] Mission Number

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-19 14:45:47 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1304 Message: 1313

> I am Labeling the Tapes from the Launch. I have seen it referred to
> as TV01G and TV01H. Since I already have a capsule recording from
> Jeff labeled TV01G, Can I assume this mission was TV01H? Also, Can
> someone tell me how the Number is read? It seems like TV would be
> Treasure Valley, 01 would be 2001 and the Alpha designator must
> relate to that Years Launch? IE. A then B then C etc? I'm not to sure.

Correct on all accounts.

Paul

1314. Re: [tvnsp] $GPGGA AND $GPRMC

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-19 14:57:57 UTC
From: Rick Widmer
Topic: 1219 Message: 1314

verhap@... wrote:
>
> > What time intervals do you recommend to transmit each string?
>
> I want data!
> Once a second would work for me.
> ME: ;) The World: =:O

Not every packet needs to bw WIDE6-6. Say transmit every 10 seconds but make 1 in 6-12 packets wide. If you are receiving directly from the balloon you get lots of data without clogging the rest of the world.

Rick

1315. RE: [tvnsp] TV01H has landed

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-19 16:56:35 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 1281 Message: 1315

FWIW:

Regarding this, I should like to point out that the wires in the next droop (don't know what else to call them) between power poles also arced once. If you look at the power poles, it looks as if the droops are isolated (against adjacent pull) enough that we didn't cause that particular arc. I.e. the wind loading due to our stuff over the lines wasn't sufficient to pull the other lines. This was on the side further away from the creamery side and the recycling place the capsules landed over.

Bill B.

> -----Original Message-----
> There was some external damage done to the bottom capsule,
> but the arcing
> appeared to come from the additional wind loading swinging the lines
> together rather than from the capsule or it's connecting
> lines shorting them.

1316. RE: [tvnsp] Tracking question

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-19 16:59:58 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 1281 Message: 1316

Bill's correct. My mobile gear is identical to my QTH gear except for the antennae. The only other difference (even the software is identical) is that I used SA 9.0 in the mobile unit that day, SA 6.0 at my QTH.

Bill B.

> -----Original Message-----

> For the APRS side of things we were running an Alinco DJ195 HT with a
> linear amp. I've used this setup quite a bit for sending data
> but not as
> much for receiving data. They were connected to a KPC3+ with
> 8.2FW (yes,
> they made some) Software was APRS+SA 2.01. Bill's QTH was
> likely on exactly
> the same version. Mine has a patch on to prevent it from
> inappropriately
> gating internet traffic to RF. (A recent fix, which I applied after
> midnight when I was discovered the problem while prepping for
> the launch.)
> Part way through the chase I turned on the built-in preamp in
> the linear
> amp. It didn't seem to make any difference.

1317. Re: [tvnsp] TV01H has landed

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-19 17:14:38 UTC
From: Jeff Melanson
Topic: 1281 Message: 1317

Bill,

Here is how that happens...
When arcing occurs in one part of the line a large amount of current is
drawn through the rest of the line. That creates a strong magnetic
feild. This magnetic feild draws the other section (droop) together
until those lines touch. That's why we had two booms each time it arced.

Jeff

"BLOHM,BILL (HP-Boise,ex1)" wrote:
>
> FWIW:
>
> Regarding this, I should like to point out that the wires in the next droop
> (don't know what else to call them) between power poles also arced once. If
> you look at the power poles, it looks as if the droops are isolated (against
> adjacent pull) enough that we didn't cause that particular arc. I.e. the
> wind loading due to our stuff over the lines wasn't sufficient to pull the
> other lines. This was on the side further away from the creamery side and
> the recycling place the capsules landed over.
>
> Bill B.
>
> > -----Original Message-----
> > There was some external damage done to the bottom capsule,
> > but the arcing
> > appeared to come from the additional wind loading swinging the lines
> > together rather than from the capsule or it's connecting
> > lines shorting them.
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

1318. RE: [tvnsp] Off topic: Meteors awesome in Massachusetts

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-19 18:31:31 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 1299 Message: 1318

I went out to 43d 35.180' N 116d 40.402' W about 0245. I observed to the east, watching about 45 degrees to either side of me and from horizon up to zenith. My best seemed to be 8 in 10 seconds, and I observed 200 in 40 minutes of watching, which would support Hank's extimate of 300/hour. I even saw what appeared to be a couple of skips, where a meteorite would hit, exit, re-hit, exit, like skipping a stone across water. Longest such skip was 3 skips. Even my wife was glad I'd dragged her along to see this.

73 de Bill B.

> -----Original Message-----
> From: Hank Riley [mailto:n1ltv@...]
> Sent: Sunday, November 18, 2001 6:51 AM
> To: tvnsp@yahoogroups.com
> Subject: [tvnsp] Off topic: Meteors awesome in Massachusetts
>
>
> By far the most spectacular I've seen in over 40
> years of watching (I started young). Missed the
> giant one in 1966; I was just reading it was only
> good in Western US.
>
> Anyway, at around 5:15 AM EST the one observer rate
> I timed for 30 meteors was about 7 minutes, so
> it was almost 300/hour. After that I concentrated
> on just watching and taking pictures, but I think it
> picked up a little by 5:30 AM. With a brightening
> sky at 6:07 AM, still saw 2 bright ones within seconds
> of each other toward the northwest away from sunrise!
>
> Talked to someone at a better location with
> totally clear view to the horizon, and he had
> about 600/hour (average of 10 a minute for several
> one minute periods), but that may have been with two
> people spotting.
>
> Hank

1319. RE: [tvnsp] TV01H has landed

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-19 18:34:07 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 1281 Message: 1319

Thanks for clearing that up. That makes sense of something I wasn't able to figure out the why of.

Bill B.

> -----Original Message-----
> From: Jeff Melanson [mailto:kd7inn@...]
> Sent: Monday, November 19, 2001 10:15 AM
> To: tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] TV01H has landed
>
>
> Bill,
>
> Here is how that happens...
> When arcing occurs in one part of the line a large amount of
> current is
> drawn through the rest of the line. That creates a strong magnetic
> feild. This magnetic feild draws the other section (droop) together
> until those lines touch. That's why we had two booms each
> time it arced.
>
> Jeff

1320. Idaho Power

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-19 19:07:12 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1320 Message: 1320

I got through to Idaho Power. There's no problem picking the capsule up from their Boise Operation Center on Five Mile and Franklin after 3:00 PM today. They have photographed it for their own protection from Dairygold.

I'll see what time they close, as I get off work at 5:00 PM.

Paul

1321. Re: Idaho Power

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-19 19:57:07 UTC
From: paulson58@juno.com
Topic: 1320 Message: 1321

--- In tvnsp@y..., verhap@o... wrote:
> I got through to Idaho Power. There's no problem picking the
> capsule up from their Boise Operation Center on Five Mile and
> Franklin after 3:00 PM today. They have photographed it for their
> own protection from Dairygold.
>
> I'll see what time they close, as I get off work at 5:00 PM.
>
> Paul

Thats great news Paul-

Do you want me to go with the camera then or just back off.
I do have a fairly good shot of your capsule getting shot
like a Basketball by the Confiscating official. It shows it going
from his hands, arcing through the air and disappearing behind the
wall of his truck bed. It's impact is assumed.

Also, if it's a timing issue, I have two windows of opportunity to
get it today for you. One is right now till about 2:30pm. The next
would be from 3:15 till however long it takes. (That would be better)
If you want to go that route, you would likely have to contact them
and give them a verbal release for me to get it.

Dan

1322. Re: Idaho Power

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-19 20:35:50 UTC
From: mor938@cs.com
Topic: 1320 Message: 1322

Good afternoon:

I have left a message with Mr. Verhage to this regard as well....
Please be advised that I have been monitoring your email string, and
several concerns have arisen:

1. Our center closes at 5pm, after which the equipment will be
locked in my office for safekeeping. Please come before 5pm.

2. Whomever arrives to accept the material should provide
identification and some documentation that they are authorized to
accept the material.

3. It appears from your correspondence that you are contemplating
action against the company for damage to your equipment. Please let
us know immediately if you intend to do so, keeping in mind that the
claim laws and standards in the state of Idaho will be applied to any
claim you levy against us, and that all burden of evidence will rest
upon the claimant in a tort.

Please contact me immediately to notify me when and who someone will
arrive to confiscate your equipment. You may either email me at
tmorgan@... or call 208-388-2055.

Thank you,
Todd Morgan Damage Claim Specialist Idaho Power

--- In tvnsp@y..., paulson58@j... wrote:
> --- In tvnsp@y..., verhap@o... wrote:
> > I got through to Idaho Power. There's no problem picking the
> > capsule up from their Boise Operation Center on Five Mile and
> > Franklin after 3:00 PM today. They have photographed it for
their
> > own protection from Dairygold.
> >
> > I'll see what time they close, as I get off work at 5:00 PM.
> >
> > Paul
>
> Thats great news Paul-
>
> Do you want me to go with the camera then or just back off.
> I do have a fairly good shot of your capsule getting shot
> like a Basketball by the Confiscating official. It shows it going
> from his hands, arcing through the air and disappearing behind the
> wall of his truck bed. It's impact is assumed.
>

> Also, if it's a timing issue, I have two windows of opportunity to
> get it today for you. One is right now till about 2:30pm. The next
> would be from 3:15 till however long it takes. (That would be
better)
> If you want to go that route, you would likely have to contact them
> and give them a verbal release for me to get it.
>
> Dan

1323. (no subject)

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-19 21:33:05 UTC
From: paulson58@juno.com
Topic: 1323 Message: 1323

To all-

For the record
The comments referred to in Mr Morgan's note were made by me. Dan I'm certain they are not complete enough to glean intent. I gladly take responsibilty for my comments, and have a message in to Mr. Morgans VM ATT to clarify my communication. It is my understanding that any miss treatment that may be percieved with respect to harsh handling of equipment was done so on an individual basis by an individual. I want to assure everyone concerned that I have no problem with "Idaho Power" as an Entity, or it's policies.

Dan
KD7OST

1324. Re: [tvnsp] Re: Idaho Power

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-19 21:42:01 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1320 Message: 1324

> 1. Our center closes at 5pm, after which the equipment will be
> locked in my office for safekeeping. Please come before 5pm.

Dan, can you pick up the capsule?

> 2. Whomever arrives to accept the material should provide
> identification and some documentation that they are authorized to
> accept the material.

Mr. Morgan, is my word through email enough? We're an informal
group.

> 3. It appears from your correspondence that you are contemplating
> action against the company for damage to your equipment. Please let
> us know immediately if you intend to do so, keeping in mind that the
> claim laws and standards in the state of Idaho will be applied to any
> claim you levy against us, and that all burden of evidence will rest
> upon the claimant in a tort.

There will be no claim for damage. Period. Does everyone
understand that? It is inappropriate to even think this.

Mr. Morgan, some of us are upset by the way the capsule was
thrown into the back of the truck. There may have been some
damage done by the handling of the equipment that could have
been avoided, but the damage is proabably insignificant compared
to the damage done by the inital landing.

I think a part of the problem was that we didn't get a chance to
explain to the lineman, who picked up the stuff, what the nature of
the equipment was. The electronics inside cost us about $1000.
When we launch capsules, we understand there is a risk we may
not be able to find the equipment again. So we are prepared to risk
losting equipment.

I hope this clears up some of the feelings within this group.

Paul

1325. RE: [tvnsp] It's contagious!

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-19 22:07:44 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 1309 Message: 1325

I'm not sure, but thinking back over setting up the mag mounts in the am, factoring in sleepiness, I think the setup was: Since voice would be rcv and xmit, I made sure the 5/8 wip, in the middle of the Suburban's roof, went to voice (mobile). The dual band, since I was expecting the APRS setup to be primarily rcv, was half-way between the 5/8 wave and the front of the roof, and went to the APRS radio (HT).

Bill B.

> -----Original Message-----
> From: Bill Herrmann [mailto:bherrman@...]
> Sent: Monday, November 19, 2001 1:01 AM
> To: tvnsp@yahoogroups.com
> Subject: [tvnsp] It's contagious!
>
>
> The "forgot to mention" disease that is! (Thanks a lot Stephanie!)
>
> Forgot to mention that we were not having the desense problem
> that somebody
> mentioned when we were talking voice. However, I had the
> mobile radio on
> Cinnabar and was using my HT for simplex communications so
> that antenna was
> at least somewhat shielded by vehicle roof from the APRS
> antenna. I'm not
> sure which antenna we were using for APRS, but we had a pair
> of mag mounts
> on the roof too. (One dual band and one 5/8 whip for 2M.)
>
> Bill
>
> p.s. Since I'm sending another message also check out
> http://www.findu.com/cgi-bin/track.cgi?call=kd4sth-11&start=96
&length=96
and contrast that with the last one.

To unsubscribe from this group, send an email to:
tvnsp-unsubscribe@egroups.com

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1326. Recovery of Capsule

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-19 22:03:28 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1326 Message: 1326

I just got off the phone with Mr. Morgan. Dan, Mike, and John are authorized to pick up the capsule from the Idaho Power's office on Five Mile and Franklin. You'll need to bring ID with you. We need to meet and look over the capsules. I want to determine what was damaged and what we'll need to replace. I hope to pull data from the Thermochrons tonight. With any luck, a sizable fraction of the equipment will be salvagable.

Mr. Morgan let me know that when the capsule landed, it tripped a feeder to parts of Caldwell. Those businesses not effected are on a different feeder.

We will look at launch procedures. I'm thinking we should move a launch location that will not let the capsule descend over a city, even if the prediction is for the capsule to overfly the city. There should be no problem ascending over a city, but at the predicted burst point, I want to make sure we're not predicted to parachute over a city.

Second change....
Since we won't be flying again until the 2002 campaign beginning in March, we will spend part of the winter looking at insurance. Some kind of liability insurance will protect us from accidents like this. This may mean we'll have to become a non-profit. How ever it works out, I'll document it in my book. How would people feel sharing the cost of insurance? What if we have 5 people and the cost of insurance is $400 per year?

John, can you contact ARRL? Since we're heavily dependent on amateur radio, we may be able to get insurance through them if we create a radio club to do this. I'm not worried about equipment insurance, only liability insurance. By not insuring the equipment, we should be able to save money.

Any inputs?

I also think we should get a thank you for Idaho Power. Perhaps they'd be interested in a copy of a video taken from near space.

Paul

1327. Re: Idaho Power

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-19 22:14:55 UTC
From: mor938@cs.com
Topic: 1320 Message: 1327

Thank you for your reply. We will look forward to releasing the equipment this afternoon. We apologize for any perceived mishandling of your equipment, I have interviewed our crews, and they were attempting to follow their immediate directives, which are to ensure safety, which they felt was becoming more and more compromised with the amount of people surrounding the area and the arrival of the news crew, and to restore service to our customers.

Good luck in retrieving your data and in future flights. It is still my suggestion you look into some sort of insurance coverage in anticipation of unexpected results from a flight such as this.

If you have any questions, you may contact me at 388-2055.

Todd Morgan Damage Claim Specialist Idaho Power
--- In tvnsp@y..., verhap@o... wrote:
> > 1. Our center closes at 5pm, after which the equipment will be
> > locked in my office for safekeeping. Please come before 5pm.
>
> Dan, can you pick up the capsule?
>
> > 2. Whomever arrives to accept the material should provide
> > identification and some documentation that they are authorized to
> > accept the material.
>
> Mr. Morgan, is my word through email enough? We're an informal
> group.
>
> > 3. It appears from your correspondence that you are
contemplating
> > action against the company for damage to your equipment. Please
let
> > us know immediately if you intend to do so, keeping in mind that
the
> > claim laws and standards in the state of Idaho will be applied to
any
> > claim you levy against us, and that all burden of evidence will
rest
> > upon the claimant in a tort.
>
> There will be no claim for damage. Period. Does everyone
> understand that? It is inappropriate to even think this.
>
> Mr. Morgan, some of us are upset by the way the capsule was
> thrown into the back of the truck. There may have been some
> damage done by the handling of the equipment that could have

> been avoided, but the damage is proabably insignificant compared
> to the damage done by the inital landing.
>
> I think a part of the problem was that we didn't get a chance to
> explain to the lineman, who picked up the stuff, what the nature of
> the equipment was. The electronics inside cost us about $1000.
> When we launch capsules, we understand there is a risk we may
> not be able to find the equipment again. So we are prepared to
risk
> losting equipment.
>
> I hope this clears up some of the feelings within this group.
>
> Paul

1328. RE: [tvnsp] Re: Tracking question

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-19 22:28:06 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 1281 Message: 1328

Throwing in some additional data (I hope).

Stephanie said:
> station which is a Yaesu FT-2600M and Kantronics KPC-3+. I
> also recieved a
> message from Dave Dobbins K7GPS in PeEl, Washington, who
> enjoyed watching the
> flight but commented that Paul's station was sending out some
> corrupted
> packets. I think this might help explain the erratic
> reception of Paul's
> tracker.

As I recall, at launch site I was reading the data from Paul's capsule as valid up to GPSLL and after that was a string of commas: ,,,,,,. That would tie in with the comment about corrupt data from Dave, I think. It's as if the GPS wasn't hooked up and there was no default info for the transmission.

However, that said, my QTH log shows 100 from KD4STH-11, 20 from KD7INN-11, and from our chase vehicle KD7MJC-11. I think my QTH was set to only keep a limited number. If so, I'll have to fix that.

> Also, the best altitude that I have found in the log is 94016
> feet. Did
> anyone get anything else?

Highest I see in my mobile log is 91,059 feet. QTH log shows 93,373 feet.

Bill B., KC7JSD

1329. RE: [tvnsp] Posits, time slotting, etc.

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-19 22:31:13 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 1239 Message: 1329

Have to ask. Just have to. Simple logic demands it. OK, warped logic demands it.

If the balloon is deaf, does it know sign language?

Running for a hidey hole!

Bill B.

> -----Original Message-----
> From: Bill Herrmann [mailto:bherrman@...]
> Sent: Friday, November 16, 2001 9:29 PM
> To: tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] Posits, time slotting, etc.
>
>
> At 02:53 PM 11/16/01 -0700, you wrote:
> > It won't change the timing, just delay it until the frequency is
> > clear. Also, the carrier detect needs to be set to SOFTWARE ('cd
> > software' command).
>
> Either software or internal should work for this purpose. Of
> course, if
> we're going to run the balloon "deaf" you could just set it
> to external and
> not supply that signal.
>
> Bill
>
>
>
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> http://us.click.yahoo.com/Vv.L9D/MkNDAA/ySSFAA/RGYolB/TM
> ---
> --------~->
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to

http://docs.yahoo.com/info/terms/

1330. Re: Recovery of Capsule

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-19 22:36:22 UTC
From: paulson58@juno.com
Topic: 1326 Message: 1330

Paul-

I just enjoyed a pleasant conversation with Todd Morgan.
He confirms that all is OK for me to pick up the Capsules.
I am enroute att.

Dan

--- In tvnsp@y..., verhap@o... wrote:
> I just got off the phone with Mr. Morgan. Dan, Mike, and John are
> authorized to pick up the capsule from the Idaho Power's office on
> Five Mile and Franklin. You'll need to bring ID with you. We need
> to meet and look over the capsules. I want to determine what was
> damaged and what we'll need to replace. I hope to pull data from
> the Thermochrons tonight. With any luck, a sizable fraction of the
> equipment will be salvagable.
>
> Mr. Morgan let me know that when the capsule landed, it tripped a
> feeder to parts of Caldwell. Those businesses not effected are on
a
> different feeder.
>
> We will look at launch procedures. I'm thinking we should move a
> launch location that will not let the capsule descend over a city,
> even if the prediction is for the capsule to overfly the city.
There
> should be no problem ascending over a city, but at the predicted
> burst point, I want to make sure we're not predicted to parachute
> over a city.
>
> Second change....
> Since we won't be flying again until the 2002 campaign beginning in
> March, we will spend part of the winter looking at insurance. Some
> kind of liability insurance will protect us from accidents like
this.
> This may mean we'll have to become a non-profit. How ever it
> works out, I'll document it in my book. How would people feel
> sharing the cost of insurance? What if we have 5 people and the
> cost of insurance is $400 per year?
>
> John, can you contact ARRL? Since we're heavily dependent on
> amateur radio, we may be able to get insurance through them if we
> create a radio club to do this. I'm not worried about equipment
> insurance, only liability insurance. By not insuring the
equipment,
> we should be able to save money.

>
> Any inputs?
>
> I also think we should get a thank you for Idaho Power. Perhaps
> they'd be interested in a copy of a video taken from near space.
>
> Paul

1331. Re: [tvnsp] Recovery of Capsule

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-19 22:42:25 UTC
From: Stephanie Steele
Topic: 1326 Message: 1331

Hi Paul,

Glad to hear that the capsule is coming home and that you are considering getting liability insurance. ARRL has the best price on liability insurance through a group liability plan, it costs $325.00 per year for a 1 million dollar policy. I checked all other sources for club insurance before going with the ARRL offering and no one else even came close, in fact, many companies would not insure amateur clubs at all. It's way past time for TVNSP to 'officially' exist and begin protecting everyone's assets from an unforseen event such as Saturday's landing.

Also, I feel that you guys did all possible to remove the possibility of the capsule landing in a city for this launch. Your pre-flight predictions, as I read them, had a perfectly acceptable projected landing zone. This event was not predictable and that is the purpose of insurance. Sorry if I offended anyone with my rants on the treatment you all recieved from the Idaho Power employee. It was a very bad week here dealing with jerks and hearing that you found one to deal with set me off. Again, I appologize.

Stephanie

verhap@... wrote:

> I just got off the phone with Mr. Morgan. Dan, Mike, and John are
> authorized to pick up the capsule from the Idaho Power's office on
> Five Mile and Franklin. You'll need to bring ID with you. We need
> to meet and look over the capsules. I want to determine what was
> damaged and what we'll need to replace. I hope to pull data from
> the Thermochrons tonight. With any luck, a sizable fraction of the
> equipment will be salvagable.
>
> Mr. Morgan let me know that when the capsule landed, it tripped a
> feeder to parts of Caldwell. Those businesses not effected are on a
> different feeder.
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> We will look at launch procedures. I'm thinking we should move a
> launch location that will not let the capsule descend over a city,
> even if the prediction is for the capsule to overfly the city. There
> should be no problem ascending over a city, but at the predicted
> burst point, I want to make sure we're not predicted to parachute
> over a city.
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> Second change....
> Since we won't be flying again until the 2002 campaign beginning in
> March, we will spend part of the winter looking at insurance. Some
> kind of liability insurance will protect us from accidents like this.

> This may mean we'll have to become a non-profit. How ever it
> works out, I'll document it in my book. How would people feel
> sharing the cost of insurance? What if we have 5 people and the
> cost of insurance is $400 per year?
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> John, can you contact ARRL? Since we're heavily dependent on
> amateur radio, we may be able to get insurance through them if we
> create a radio club to do this. I'm not worried about equipment
> insurance, only liability insurance. By not insuring the equipment,
> we should be able to save money.
>
> Any inputs?
>
> I also think we should get a thank you for Idaho Power. Perhaps
> they'd be interested in a copy of a video taken from near space.
>
> Paul
>
>
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> tvnsp-unsubscribe@egroups.com
>
>
>
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--
Stephanie

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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1332. RE: [tvnsp] Re: Tracking question

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-19 22:38:55 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1281 Message: 1332

Bill, can you email a copy of your flight log?

Paul

1333. Re: Idaho Power

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-19 22:54:56 UTC
From: Bill Herrmann
Topic: 1320 Message: 1333

This is mainly in response to Todd's message. I wanted to address his third issue at least informally. (and I hope nobody minds me speaking up on this even though I'm a relative newbie)

I think everyone is glad to see the equipment being returned to its rightful owners and the situation being handled reasonably at this point. The concern was that the situation was handled very poorly by one individual representing your company on the scene. I think we all recognize that sometimes individuals don't handle situations in the way that their employer would wish.

A couple of comments:
If Darigold does cause problems for your company I think there are several of us who observed the recycler right under the lines in question using his can recycler which receives power from that line. I believe we also got the name of the guy from the recycler. He did state that he paid $25000 to get that line in to feed his can crusher.

I had my 8 year old daughter with me. She was quite upset by the actions of your employee. (Both by the fact that he was taking the equipment and by his treatment of it.) Not exactly the image one wants to project to the public.

Does your company have a policy on this type of event? I think we were all surprised by the way it was handled. At no point did your representative attempt to make contact with any of the individuals who were clearly interested in the outcome. I suspect that most of us figured that he would come talk to us when he was ready and that there was nothing to be gained by bugging him. The recycling guys and several individuals from Darigold had no problem figuring out whose equipment was on the power line.

A side note here: Your employee could have inadvertently caused an FCC violation by confiscating that equipment. He did eventually allow the equipment to be turned off, but had he not that would have been a violation since he (likely) does not hold the appropriate FCC license for the gear that was under his control.

To wrap this up:
What things should we do if we are unfortunate enough to be in this situation again? (The balloon payload did not land where predicted.) We had someone call your company right away and we remained on the scene to assist in any way we could.

What things can we do in the construction of our equipment to minimize the risk? Obviously, we haven't been able to inspect the equipment but from standing there watching it looked to me like the main problem was the additional wind loading was pulling the lines close enough to arc occasionally. It did not look like the capsule or its connecting lines was actually causing the short.

I'd hope that your company will work to enhance their field representative's dealings with the public, but I don't think you need to detail that here.

I'm sure you would be welcome to attend a meeting if you would like to present ideas on how to better protect both our equipment and yours. (Meetings are scheduled as needed, so just pipe up.) Of course, if you want to come participate in the "poor man's space program" you would be welcome there too.

Bill

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http://www.shopping.altavista.com

1334. Re: [tvnsp] Re: Recovery of Capsule

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-19 22:50:33 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1326 Message: 1334

> I just enjoyed a pleasant conversation with Todd Morgan.
> He confirms that all is OK for me to pick up the Capsules.
> I am enroute att.

Dan, John is planning to pick up the capsule. Also, we need to
arrange to get together and see what we can reuse.

Time and place?

Paul

1335. RE: [tvnsp] Re: Tracking question

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-19 22:53:09 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 1281 Message: 1335

Paul,

Which Bill? I have copies of both my QTH and mobile logs available. Want
them as well?

Bill B.

> -----Original Message-----
> From: verhap@... [mailto:verhap@...]
> Sent: Monday, November 19, 2001 8:39 AM
> To: tvnsp@yahoogroups.com
> Subject: RE: [tvnsp] Re: Tracking question
>
>
> Bill, can you email a copy of your flight log?
>
> Paul
>
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1336. RE: [tvnsp] Recovery of Capsule

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-19 22:56:14 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 1326 Message: 1336

> From: verhap@... [mailto:verhap@...]
> We will look at launch procedures. I'm thinking we should move a
> launch location that will not let the capsule descend over a city,
> even if the prediction is for the capsule to overfly the city. There
> should be no problem ascending over a city, but at the predicted
> burst point, I want to make sure we're not predicted to parachute
> over a city.

One possible way of ensuring this would be to switch parachutes from the round one to one that we could control, i.e. a paraglide type. Kurt Larson, AC7ME, and I had a lengthy discussion about this. One possibility is to include a microchip who's function is to control the shrouds and have built-in landing parameters. Feed this from the GPS and we'd have one that was possibly self-controlled to come in more closely to where we want it to and if we added a radio receiver, one that we could take last minute control over to direct it away from any obstructions like trees, lakes, or power lines, if we gained visual sight of the landing zone in time.

This would add a little weight, but would also provide a wealth of control, IMHO. It might be something that we should consider moving towards, say for 2003?

> Second change....
> Since we won't be flying again until the 2002 campaign beginning in
> March, we will spend part of the winter looking at insurance. Some
> kind of liability insurance will protect us from accidents
> like this.
> This may mean we'll have to become a non-profit. How ever it
> works out, I'll document it in my book. How would people feel
> sharing the cost of insurance? What if we have 5 people and the
> cost of insurance is $400 per year?

I don't know how much I can contribute, but what I can, I will. Perhaps if this could be spread out over the year via monthly "dues" it would be more papatable?

> I also think we should get a thank you for Idaho Power. Perhaps
> they'd be interested in a copy of a video taken from near space.

First reaction was "Why?" However, reflection on the situation reminded me it was an individual that was the cause of our frustrations, not Idaho Power itself. Idaho Power has been helpful in the resolution and recovery of our gear, so I would agree with this thank you thought.

Bill B.

1337. Re: [tvnsp] Re: Idaho Power

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-19 22:59:26 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1320 Message: 1337

Let me extrend an invitation to anyone at Idaho Power to attend a meeting and launch. I also think we owe them an appogy. I'll put a letter together for everyone to sign.

We should write down numbers for both Idaho Power and the telephone company. We should also learn how to determine which line is which. This way we can call the right people immediately, should this happen again, and get it resolved ASAP.

Paul

1338. RE: [tvnsp] Re: Tracking question

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-19 22:59:47 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1281 Message: 1338

> Which Bill? I have copies of both my QTH and mobile logs available. Want
> them as well?

I'll take all copies.

Paul

1339. RE: [tvnsp] Recovery of Capsule

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-19 23:16:34 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1326 Message: 1339

> This would add a little weight, but would also provide a wealth of control,
> IMHO. It might be something that we should consider moving towards, say for
> 2003?

This has been discussed. We plan on working on a NSRV (near space return vehicle) for future flights. This reduces the amount of driving we have to do. It's definitely on the burner. In fact, we'll move it up a burner.

> > This may mean we'll have to become a non-profit. How ever it
> > works out, I'll document it in my book. How would people feel
> > sharing the cost of insurance? What if we have 5 people and the
> > cost of insurance is $400 per year?
>
> I don't know how much I can contribute, but what I can, I will. Perhaps if
> this could be spread out over the year via monthly "dues" it would be more
> papatable?

Or charging dues like the radio clubs do. If we can get the $350 insurance form ARRL and spread it out among ten people, that would mean we charge $35 memberhip fees. Now, if someone doesn't pay, do we prevent them from participating in a launch? We really need to encourage as much help with launches as possible. right now it takes 45 to 60 minutes to launch. With enough trained people we could proabaly make that 30 minutes.

Does ARRL give the insurance if members are not members of ARRL?

Also, what do you get for your $35? We should proably have a newsletter. I suppose another benefit is that your participation is insured should an accident occur.

If we set up as a non-profit club, does this help get donations? A flight costs around $175. I believe we need a lawyer to help with the paperwork. Also, I believe three people need to sign as "founders" to form a non-profit.

Paul

1340. Insurance

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-20 01:24:29 UTC
From: Zack Clobes
Topic: 1340 Message: 1340

Project: Traveler has had $1M liability from the beginning, but it was a rough road to find it. Here's our experience:

- Insurance companies have a set minimum charge that they have to get for a policy (it has a fancy name but I can't think of it). Generally this is $400-$500 for specialized or medium-risk policies in Kansas.

- All of the larger companies that we spoke to either didn't want to touch us or put us in this medium risk group. We finally found smaller office that agreed to insure us.

- When we explained to them what we needed, they asked if we had an official club organized to participate in these outings, and we explained that Project: Traveler was a part of our local ham radio club. They then suggested that we get a general insurance coverage for the club, and that it would cover club events (i.e. ballooning). They assured me that the coverage would extend to club property and any damages that it causes.

- The total liability premium was $250 for last year.

It seems like the smaller companies are more willing to work with you and be creative. We also had some networking going with the agent which certainly helped and added to our credibility. Our agent is:

Joe McGuire Insurance
Hutchinson, KS
620-662-6674

I'm pretty sure they're not licensed for Idaho (just Kansas and a small number of states) but they may be of some help for you to find someone in that area. My advice is to get some insurance - I know that we sleep a lot better at night. Just be up front with the company on what you're doing but ask for a club event policy.

Zack Clobes, W0ZC
Project: Traveler

1341. Insurance

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-20 01:25:52 UTC
From: Zack Clobes
Topic: 1340 Message: 1341

Oh yeah, and ARRL really didn't know what ballooning was, but was pretty sure they didn't want to cover us for it.. :-/

1342. Fw: Paragliding wing

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-20 01:30:27 UTC
From: Zack Clobes
Topic: 1342 Message: 1342

I have been looking into the paragliding wing idea for a while now. This email came from a manufacturer of R/C para-planes.

W0ZC
----- Original Message -----
From: Metalmorphic
To: Zack Clobes
Sent: Tuesday, November 06, 2001 11:25 AM
Subject: Re: Paragliding wing

Forget about using a paraglider in those winds. It will collapse and go into convulsions. You will need to use something rigid. Sorry
----- Original Message -----
From: Zack Clobes
To: METALMORPHIC@...
Sent: Monday, November 05, 2001 9:01 PM
Subject: Re: Paragliding wing

We have a number of issues to work out with the system but have a couple of pressing questions to get figured out:

How much of a pull would be required to steer the wing? Do standard servos with their 3/4 inch of movement pull enough?

You mention problems with wind - what types of problems? The air currents that high are moving at 40-100+mph, but so is the capsule.

Is there information on the web regarding the packing and deployment of a chute?

What would you charge for just a wing capable of landing 6 pounds?

Thanks,
Zack Clobes, W0ZC
http://www.rckara.org/project_traveler/default.htm

----- Original Message -----
From: METALMORPHIC@...
To: Zack Clobes
Sent: Monday, November 05, 2001 1:35 PM
Subject: Re: Paragliding wing

yeah it would work. you would have to rig up your own steering system though. They steer using brake lines that pull the trailing edges of the wing. That altitude may cause turbulence problems also, these things dont like wind.

----- Original Message -----
From: Zack Clobes
To: wing@...

Sent: Saturday, November 03, 2001 9:03 PM
Subject: Paragliding wing

I'm interested in dropping a small package from 60,000 to 90,000 feet and would like a paraglider wing to allow me to steer the package. The entire capsule weight including the parasail would have to weigh in less than 6 pounds. Would one of your wings work for this type of application or do you know where I could get one? Also, what is involved with steering a wing such as yours?

Thanks,
Zack Clobes

1343. Equipment accounted for-

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-20 00:38:34 UTC
From: paulson58@juno.com
Topic: 1343 Message: 1343

To all-

I am with Jeff as we speak. The equipment is in his truck all bagged up.

I had a good conversation with Todd Morgan at the time it was picked up. He is interested in our work, and is anxious to get a copy of the flight video. We will oblige him. Some time was spent talking about our purpose, education, Ham Radio Etc. He represents Idaho Power in what should really be considered the last word on this particular subject. He was invited to the next meeting. Turns out He's an Amateur Astronomer. He thanked us Kindly. We thanked him kindly. All is OK. Paul and Jeff will be providing us with updates on Data accumulated.
As far as Todd is concerned, he was happy we got our gear back and wished us all the success possible in our future efforts. He said we are squared away with respect to them.

Dan
KD7OST

1344. Re: [tvnsp] Recovery of Capsule

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-20 02:03:54 UTC
From: Doug Rich
Topic: 1326 Message: 1344

Please let me suggest an alternative to forming a new radio club. I believe it is possible to have the VOI club sponsor the balloon program. It already has the insurance to cover all members in club sponsored activities. A good number of us are already members. The cost to join is $20. per calendar year and includes a newsletter. In the past there have been those in the club that thought ballooning was not an activity the club should sponsor. They are in the vast minority!
I have been nominated as a candidate for President. I will make it known my intent to have the club sponsor the "high altitude balloon" project. There would be a budget for costs, such as gas, balloons, and equipment. If we gain a number of members, it would help defray the costs of the budget. The insurance is already built into the budget and would not be affected.
I think it would be a good option. I am sure there would be some details that would need to be worked out but I don't see any problems.

Your thoughts, please.

Doug KD6GCL

At 03:03 PM 11/19/01 -0700, verhap@... wrote:
>I just got off the phone with Mr. Morgan. Dan, Mike, and John are
>authorized to pick up the capsule from the Idaho Power's office on
>Five Mile and Franklin. You'll need to bring ID with you. We need
>to meet and look over the capsules. I want to determine what was
>damaged and what we'll need to replace. I hope to pull data from
>the Thermochrons tonight. With any luck, a sizable fraction of the
>equipment will be salvagable.
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>Mr. Morgan let me know that when the capsule landed, it tripped a
>feeder to parts of Caldwell. Those businesses not effected are on a
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>We will look at launch procedures. I'm thinking we should move a
>launch location that will not let the capsule descend over a city,
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>should be no problem ascending over a city, but at the predicted
>burst point, I want to make sure we're not predicted to parachute
>over a city.
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>Second change....
>Since we won't be flying again until the 2002 campaign beginning in
>March, we will spend part of the winter looking at insurance. Some
>kind of liability insurance will protect us from accidents like this.
>This may mean we'll have to become a non-profit. How ever it
>works out, I'll document it in my book. How would people feel
>sharing the cost of insurance? What if we have 5 people and the

>cost of insurance is $400 per year?
>
>John, can you contact ARRL? Since we're heavily dependent on
>amateur radio, we may be able to get insurance through them if we
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>insurance, only liability insurance. By not insuring the equipment,
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>I also think we should get a thank you for Idaho Power. Perhaps
>they'd be interested in a copy of a video taken from near space.
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1345. Re: [tvnsp] Recovery of Capsule

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-20 03:55:42 UTC
From: John Knapp
Topic: 1326 Message: 1345

I like Doug's suggestion. We do use their repeated and
they have been supportive of us when we do. As for
myself, I am probably past due in joining VOI. Doug, I
know VOI does monthly meetings, can you tell us where
and when?

Thanks
John Knapp
KD7HGS
--- Doug Rich <doug@...> wrote:
> Please let me suggest an alternative to forming a
> new radio club. I
> believe it is possible to have the VOI club sponsor
> the balloon program. It
> already has the insurance to cover all members in
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> should sponsor. They are in the vast minority!
> I have been nominated as a candidate for President.
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> would be a budget for costs, such as gas, balloons,
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> insurance is already built into the budget and would
> not be affected.
> I think it would be a good option. I am sure there
> would be some details
> that would need to be worked out but I don't see any
> problems.
>
> Your thoughts, please.
>
> Doug KD6GCL
>
> At 03:03 PM 11/19/01 -0700,
> verhap@... wrote:
> >I just got off the phone with Mr. Morgan. Dan,

> Mike, and John are
> >authorized to pick up the capsule from the Idaho
> Power's office on
> >Five Mile and Franklin. You'll need to bring ID
> with you. We need
> >to meet and look over the capsules. I want to
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> >damaged and what we'll need to replace. I hope to
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> >the Thermochrons tonight. With any luck, a sizable
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> >equipment will be salvagable.
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> >Mr. Morgan let me know that when the capsule
> landed, it tripped a
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> >
> >We will look at launch procedures. I'm thinking we
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> >even if the prediction is for the capsule to
> overfly the city. There
> >should be no problem ascending over a city, but at
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> >burst point, I want to make sure we're not
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> >John, can you contact ARRL? Since we're heavily
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> through them if we

> >create a radio club to do this. I'm not worried
> about equipment
> >insurance, only liability insurance. By not
> insuring the equipment,
> >we should be able to save money.
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> >Any inputs?
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> >I also think we should get a thank you for Idaho
> Power. Perhaps
> >they'd be interested in a copy of a video taken
> from near space.
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> >Paul
> >
> >
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> >tvnsp-unsubscribe@egroups.com
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> >
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http://geocities.yahoo.com/ps/info1

1346. RE: [tvnsp] Recovery of Capsule

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-20 04:52:11 UTC
From: K7JPS - John
Topic: 1326 Message: 1346

By joining an established group we avoid the extensive process of having to set up the administration of a new group.

In a previous e-mail Zack Clobes said that ARRL was not interested in insuring his balloon group, but that may have been because the primary focus of the club was ballooning. I would like to know if the balloon activities would compromise the insurance of VOI.

On a similar topic, My December 2001 issue of QST which arrived today had an article on page 86 about Non-Part 97 Rules which affect Hams, one of the topics was the Volunteer Protection Act of 1997. If the organization has IRS Section 501(c)(3) status the Act provides a defense to "frivolous, arbitrary, or capricious" lawsuits filed against individual volunteers. Part of the conditions to qualify for this defense include "The harm was not caused by willful or criminal misconduct, gross negligence, reckless misconduct or conscious, flagrant indifference to the rights or safety of the individual harmed." It does not mean that the individual can not be sued, it is just a defense against the suit. I am not sure on the legal definition of a volunteer, if this includes due paying members of an organization or not. This act protects the volunteer, but not the organization. This is something that I would like to research however we formalize TVNSP.

John Stone
K7JPS
-----Original Message-----
From: Doug Rich [mailto:doug@...]
Sent: Monday, November 19, 2001 19:04
To: tvnsp@yahoogroups.com; tvnsp@yahoogroups.com
Subject: Re: [tvnsp] Recovery of Capsule

Please let me suggest an alternative to forming a new radio club. I believe it is possible to have the VOI club sponsor the balloon program. It already has the insurance to cover all members in club sponsored activities. A good number of us are already members. The cost to join is $20. per calendar year and includes a newsletter. In the past there have been those in the club that thought ballooning was not an activity the club should sponsor. They are in the vast minority!
I have been nominated as a candidate for President. I will make it known my intent to have the club sponsor the "high altitude balloon" project. There would be a budget for costs, such as gas, balloons, and equipment. If we gain a number of members, it would help defray the costs of the budget. The insurance is already built into the budget and would not be affected. I think it would be a good option. I am sure there would be some details that would need to be worked out but I don't see any problems.

Your thoughts, please.

Doug KD6GCL

At 03:03 PM 11/19/01 -0700, verhap@... wrote:

...

Second change....
Since we won't be flying again until the 2002 campaign beginning in March, we will spend part of the winter looking at insurance. Some kind of liability insurance will protect us from accidents like this. This may mean we'll have to become a non-profit. How ever it works out, I'll document it in my book. How would people feel sharing the cost of insurance? What if we have 5 people and the cost of insurance is $400 per year?

John, can you contact ARRL? Since we're heavily dependent on amateur radio, we may be able to get insurance through them if we create a radio club to do this. I'm not worried about equipment insurance, only liability insurance. By not insuring the equipment, we should be able to save money.

Any inputs?

I also think we should get a thank you for Idaho Power. Perhaps they'd be interested in a copy of a video taken from near space.

Paul

1347. Re: [tvnsp] TV01H has landed

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-20 04:16:30 UTC
From: Bill Herrmann
Topic: 1281 Message: 1347

At 10:14 AM 11/19/01 -0700, you wrote:
>When arcing occurs in one part of the line a large amount of current is
>drawn through the rest of the line. That creates a strong magnetic
>feild. This magnetic feild draws the other section (droop) together
>until those lines touch. That's why we had two booms each time it arced.

Hmmm, so why doesn't it proceed down the line doing that? Are there
controls that cut the current but don't react fast enough to stop the
second arc?

Bill (the other one)

1348. Re: [tvnsp] Equipment accounted for-

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-20 05:09:33 UTC
From: Bill Herrmann
Topic: 1343 Message: 1348

At 12:38 AM 11/20/01 +0000, you wrote:
>I am with Jeff as we speak. The equipment is in his truck all bagged
>up.

So, inquiring minds want to know - how's it look. We know at least some of the equipment survived the poor landing spot. Does it look like anything (besides the outside of the capsule) got fried?

Did the video tapes survive being in an AC magnetic field?

>As far as Todd is concerned, he was happy we got our gear back and
>wished us all the success possible in our future efforts. He said we
>are squared away with respect to them.

Good news and thanks to Todd for his help in making that happen.

Bill

1349. Meeting and others? from Paul

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-20 05:25:15 UTC
From: Jeff Melanson
Topic: 1349 Message: 1349

We have the capsule back. Jeff's capsule is fine, mine is mostly toast. I have a nunber of items that survived and will fly again.

We need to meet soon to discuss issues of insurance and forming a club. Will Friday work? I'm thinking of an eating meeting, like our prelaunch dinners. Where would everyone like to meet? Time?

I want to thank Idaho Power for their support. The equipment was protected at their yard. There was no damage from them after it was brought down. Thanks again.

I have some pictures from the capsule to print. Would anyone like copies? I'll have them printed tomorrow.

We have some nice video. We'll make copies for those interested. When the balloon was cut away, the image quality was fantastic. Usually the balloon yanks the capsule all over the place. But once the balloon is cut away, its real smooth sailing.

Begin searching for insurance, please. This will be very important for us this winter.

Future experiments will involve paragliders. We'll run some tethered balloon tests before we actually launch one. I'm also planning for us to attend a balloon launch by the NWS. I also want to get video of water (dyed red) boiling in near space. Another test is for a despun section. First though, I think we need to make a sun sensor.

I'll put together a pamplet on what is near space in the next few days. Patches, we need to find a source for patches.

As far as launching, we need to look at modifying our procedures. Jeff , the two Johns, and I were discussing a cutdown for the lanyards, rather than running the lanyards through a pulley. I imagine we should get hard hats for launch crews. I'll pick up some lab jackets. The hard hats are for protection while the lab coats are to look cool.

Paul

1350. RE: [tvnsp] Meeting and others? from Paul

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-20 05:43:19 UTC
From: K7JPS - John
Topic: 1349 Message: 1350

I will make anytime this week -- outside of Turkey Time Thursday -- work for a meeting. Also, count me in for the NWS field trip. I would like copies of photos and video, I have some blank video tapes that I can provide.

I have looked at ARRL insurance (see my last post) if we set up TVNSP independently of VOI then we have to be ARRL affiliated to qualify for their insurance, and I would like to read the fine print to see how it pertains to unmanned - ballooning since they do mention an aircraft exclusion. One thing that this insurance would cover would be the $1,000,000 that I think Boise Town Square wanted for us to set up a display in the mall.

John Stone
K7JPS
-----Original Message-----
From: Jeff Melanson [mailto:kd7inn@...]
Sent: Monday, November 19, 2001 22:25
To: tvnsp@yahoogroups.com
Subject: [tvnsp] Meeting and others? from Paul

We have the capsule back. Jeff's capsule is fine, mine is mostly toast. I have a nunber of items that survived and will fly again.

We need to meet soon to discuss issues of insurance and forming a club. Will Friday work? I'm thinking of an eating meeting, like our prelaunch dinners. Where would everyone like to meet? Time?

I want to thank Idaho Power for their support. The equipment was protected at their yard. There was no damage from them after it was brought down. Thanks again.

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We have some nice video. We'll make copies for those interested. When the balloon was cut away, the image quality was fantastic. Usually the balloon yanks the capsule all over the place. But once the balloon is cut away, its real smooth sailing.

Begin searching for insurance, please. This will be very important for us this winter.

Future experiments will involve paragliders. We'll run some tethered balloon tests before we actually launch one. I'm also planning for us to attend a balloon launch by the NWS. I also want to get video of water (dyed red) boiling in near space. Another test is for a despun section. First though, I think we need to make a sun sensor.

I'll put together a pamplet on what is near space in the next few days. Patches, we need to find a source for patches.

As far as launching, we need to look at modifying our procedures. Jeff , the two Johns, and I were discussing a cutdown for the lanyards, rather than running the lanyards through a pulley. I imagine we should get hard hats for launch crews. I'll pick up some lab jackets. The hard hats are for protection while the lab coats are to look cool.

Paul

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1351. Re: [tvnsp] Meeting and others? from Paul

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-20 06:30:08 UTC
From: Mike Garske
Topic: 1349 Message: 1351

I would like a copy of the video and pictures Paul. I will pay for my cost of a VHS tape and picture developing at the next constuction meeting.

As for a meeting, I can't make it on Friday, work night for me. I am in support of making our own club, and although it would be easier to fall under the umbrella of VOI for this, I think it would be a lot less complicated by outside sources to be on our own. I am a VOI club member, and I can predict some concern from the members of the club on liability issues, especially after this weekends excitement.....just my 2 1/2 cents. I will support and uphold any decisions made concerning the formation of the club.

I would like to volunteer to be named to the position, "Keeper of the Noble Gas" :)

Mike KC7DPD

----- Original Message -----
From: "Jeff Melanson" <kd7inn@...>
To: <tvnsp@yahoogroups.com>
Sent: Monday, November 19, 2001 10:25 PM
Subject: [tvnsp] Meeting and others? from Paul

> We have the capsule back. Jeff's capsule is fine, mine is mostly
> toast. I have a nunber of items that survived and will fly again.
>
> We need to meet soon to discuss issues of insurance and forming a club.
> Will Friday work? I'm thinking of an eating meeting, like our prelaunch
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> cut away, its real smooth sailing.
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> Begin searching for insurance, please. This will be very important for
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> to attend a balloon launch by the NWS. I also want to get video of
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> section. First though, I think we need to make a sun sensor.
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> I'll put together a pamplet on what is near space in the next few days.
> Patches, we need to find a source for patches.
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> As far as launching, we need to look at modifying our procedures. Jeff
> , the two Johns, and I were discussing a cutdown for the lanyards,
> rather than running the lanyards through a pulley. I imagine we should
> get hard hats for launch crews. I'll pick up some lab jackets. The
> hard hats are for protection while the lab coats are to look cool.
>
> Paul
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
>

1352. Re: TV01H has landed

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-20 07:22:04 UTC
From: paulson58@juno.com
Topic: 1281 Message: 1352

> >When arcing occurs in one part of the line a large amount of current is
> >drawn through the rest of the line. That creates a strong magnetic
> >feild. This magnetic feild draws the other section (droop) together
> >until those lines touch. That's why we had two booms each time it arced.
>
> Hmmm, so why doesn't it proceed down the line doing that? Are there
> controls that cut the current but don't react fast enough to stop the
> second arc?
>
> Bill (the other one)

I understand some of this but not all. Anyone else feel free to jump in.

Like Jeff says above, There is a massive surge in current through the lines that creates an Electromagnetic field. The field, for a moment, is Huge. If you could see it on a scope it would look like a Huge spike. Off the scale. It can travel a long ways on the lines, but it depends what is around. In this case, we witnessed a second arc that occurred a half second or so after the first. I'm sure the spike was long gone by then, but it was so strong, it got the mass of cable in motion pretty good. They were only moving at his time because their mass had inertia. The cables had enough slack at this spot to touch, so they did. The second Arc occurred. Several things can eat up the spike. One is Transformers. The primary of those high voltage transformers on the next pole have large and stable electromagnetic fields. This acts like a choke coil and readily absorbs the spike. The spike was big, but very short in duration. The primary voltage of the coil may have just bumped up a tic or so for a micro second. Hardly enough to see on an analog voltmeter. Also, The spike is seen by Modern Power company equipment. (I don't remember what its called.) It will pull power away very quickly from the lines if it see's a spike, short, open, who knows all what. It will then try to re-apply power a second or so later. If the offending issue is still there, it will shut off again. I don't know if it keeps doing this. The momentary open in the line gives the spike no travel path. That will stop it as well. Not much reflects back from the open and what does gets absorbed quickly by the reappearance of the normal voltage and it's associated Electromagnetic field. In another place, we may not even see the second arc. This happened at that location due to several factors. This was size of cable, size of spike, length of span, amount of slack, distance between cables etc. You may be out in

the boonies and see it happen, No transformers around, and as far as you can see down the line, the spans are in motion. More motion where the short occured, getting less and less as the distance increases. The spike will lose it's power as it slowly gets absorbed in the smaller magnetic field created along the power line.

Dan
KD7OST

1353. What a video! and other stuff.

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-20 07:40:19 UTC
From: Jeff Melanson
Topic: 1353 Message: 1353

Hi all,

Paul and Dan and I have watched the video. It is the first full length video from launch to landing that went to 94,081 ft. The thicker skinned balloon allowed the higher altitude. Normally we would have expected 85,000 ft. I will start making copies but be patient. It takes time to make as many copies as needed. I will bring it to the meeting. I do need a little help with donations of blank video tapes. We want to make copies for other interested parties. I want to send a copy to Mark Conner and Ralph Wallio. Mark, the cloud layers are absolutely beautiful. I would like you to digitize some of the scenes so we can post them to the website if it's not to much trouble. I would also like to make a copy for Todd Morgan with Idaho Power who expressed an interest in what we are doing. There was someone else at the landing site with one of the local businesses that wanted a copy. Does someone have his name? The beads in front of the camera did get darker as altitude increased but only to a certain point.
The thermochron in my capsule showed the temperature decreased to 17 degrees Fahrenheit. Paul will be analyzing all the data over the next few days and I'm sure he'll post it as he gets it. The pager did not record any phone calls to it. The string that held the glider was not cut. The first call made to the pager was at 50,000 ft. That means that reception was not improved by adding the external antenna. I suppose there could be other reasons. I think we should look at systems that don't rely on other services such as a pager service.
Okay, here's the scoop on my viewfinder. As some of you know my viewfinder failed on a previous flight that went to 85,000 ft. It is believed that high voltage arcing may have occurred due to the low pressure at high altitudes as Ralph Wallio explained. This flight went to 94,000 ft. The results? The view finder is working however it is degraded. The black and white image is not as crispy clear as it normally is. Once again the video recording was not affected and the LCD display works great. Ralph, do you suppose that if I unplug the tiny little CRT tube that high voltage arcing would not occur on the circuit board?
Dan has made some good video with his camcorder showing the launch and chase. Paul wants to produce a video that shows what balloon groups do. He wants to work on that this winter.
We have lots to do this winter. I would like to encourage everyone to come to the construction meetings and start putting your own capsules together.

Jeff Melanson
KD7INN

1354. Re: [tvnsp] Recovery of Capsule

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-20 13:23:51 UTC
From: Doug Rich
Topic: 1326 Message: 1354

Meetings are the 2nd Wednesday of the month at Idaho Pizza Co. in Meridian, start time is 7:30pm. Check out the VOI web site for details and a map. http://www.voiceofidaho.org/

Doug

At 07:55 PM 11/19/01 -0800, you wrote:
>I like Doug's suggestion. We do use their repeated and
>they have been supportive of us when we do. As for
>myself, I am probably past due in joining VOI. Doug, I
>know VOI does monthly meetings, can you tell us where
>and when?
>
>Thanks
>John Knapp
>KD7HGS
>--- Doug Rich <doug@...> wrote:
> > Please let me suggest an alternative to forming a
> > new radio club. I
> > believe it is possible to have the VOI club sponsor
> > the balloon program. It
> > already has the insurance to cover all members in
> > club sponsored
> > activities. A good number of us are already
> > members. The cost to join is
> > $20. per calendar year and includes a newsletter.
> > In the past there have
> > been those in the club that thought ballooning was
> > not an activity the club
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> > I have been nominated as a candidate for President.
> > I will make it known my
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> > balloon" project. There
> > would be a budget for costs, such as gas, balloons,
> > and equipment. If we
> > gain a number of members, it would help defray the
> > costs of the budget. The
> > insurance is already built into the budget and would
> > not be affected.
> > I think it would be a good option. I am sure there
> > would be some details
> > that would need to be worked out but I don't see any
> > problems.
> >

> > Your thoughts, please.
> >
> > Doug KD6GCL
> >
> > At 03:03 PM 11/19/01 -0700,
> > verhap@... wrote:
> > >I just got off the phone with Mr. Morgan. Dan,
> > Mike, and John are
> > >authorized to pick up the capsule from the Idaho
> > Power's office on
> > >Five Mile and Franklin. You'll need to bring ID
> > with you. We need
> > >to meet and look over the capsules. I want to
> > determine what was
> > >damaged and what we'll need to replace. I hope to
> > pull data from
> > >the Thermochrons tonight. With any luck, a sizable
> > fraction of the
> > >equipment will be salvagable.
> > >
> > >Mr. Morgan let me know that when the capsule
> > landed, it tripped a
> > >feeder to parts of Caldwell. Those businesses not
> > effected are on a
> > >different feeder.
> > >
> > >We will look at launch procedures. I'm thinking we
> > should move a
> > >launch location that will not let the capsule
> > descend over a city,
> > >even if the prediction is for the capsule to
> > overfly the city. There
> > >should be no problem ascending over a city, but at
> > the predicted
> > >burst point, I want to make sure we're not
> > predicted to parachute
> > >over a city.
> > >
> > >Second change....
> > >Since we won't be flying again until the 2002
> > campaign beginning in
> > >March, we will spend part of the winter looking at
> > insurance. Some
> > >kind of liability insurance will protect us from
> > accidents like this.
> > >This may mean we'll have to become a non-profit.
> > How ever it
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> > >Any inputs?
> > >
> > >I also think we should get a thank you for Idaho
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> > >they'd be interested in a copy of a video taken
> > from near space.
> > >
> > >Paul
> > >
> > >
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1355. Re: [tvnsp] What a video! and other stuff.

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-20 14:27:57 UTC
From: John Knapp
Topic: 1353 Message: 1355

Jeff, count me in on supplying some tapes, similar to what I did last launch. Also, I would be interested in the photos as well. If you are at the Friday night meeting I will give the tapes to you then.

Thanks for all the hard work in copying the tapes.

JohnK
--- Jeff Melanson <kd7inn@...> wrote:
> Hi all,
>
> Paul and Dan and I have watched the video. It is
> the first full length
> video from launch to landing that went to 94,081 ft.
> The thicker skinned
> balloon allowed the higher altitude. Normally we
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> to make a copy for Todd Morgan with Idaho Power who
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> site with one of the local businesses that wanted a
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> have his name? The beads in front of the camera did
> get darker as
> altitude increased but only to a certain point.
> The thermochron in my capsule showed the
> temperature decreased to 17
> degrees Fahrenheit. Paul will be analyzing all the
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> few days and I'm sure he'll post it as he gets it.

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> He wants to work on that this winter.
> We have lots to do this winter. I would like to
> encourage everyone to
> come to the construction meetings and start putting
> your own capsules
> together.
>
> Jeff Melanson
> KD7INN
>

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http://geocities.yahoo.com/ps/info1

1356. Re: [tvnsp] Recovery of Capsule

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-20 14:30:16 UTC
From: Stephanie Steele
Topic: 1326 Message: 1356

I too like Doug's suggestion. I was under the understanding the VOI was not interested in ballooning. As a life member of VOI am glad to hear that was incorrect. Sounds like the best plan yet.

Stephanie

Doug Rich wrote:

> Meetings are the 2nd Wednesday of the month at Idaho Pizza Co. in
> Meridian, start time is 7:30pm. Check out the VOI web site for
> details and a map. http://www.voiceofidaho.org/
>
> Doug
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> At 07:55 PM 11/19/01 -0800, you wrote:
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>> I like Doug's suggestion. We do use their repeated and
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>> > >Five Mile and Franklin. You'll need to bring ID
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>> > >damaged and what we'll need to replace. I hope to
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>> > fraction of the
>> > >equipment will be salvagable.
>> > >
>> > >Mr. Morgan let me know that when the capsule
>> > landed, it tripped a
>> > >feeder to parts of Caldwell. Those businesses not
>> > effected are on a
>> > >different feeder.
>> > >
>> > >We will look at launch procedures. I'm thinking we
>> > should move a
>> > >launch location that will not let the capsule
>> > descend over a city,
>> > >even if the prediction is for the capsule to
>> > overfly the city. There
>> > >should be no problem ascending over a city, but at
>> > the predicted
>> > >burst point, I want to make sure we're not
>> > predicted to parachute
>> > >over a city.
>> > >
>> > >Second change....
>> > >Since we won't be flying again until the 2002
>> > campaign beginning in
>> > >March, we will spend part of the winter looking at

>> > insurance. Some
>> > >kind of liability insurance will protect us from
>> > accidents like this.
>> > >This may mean we'll have to become a non-profit.
>> > How ever it
>> > >works out, I'll document it in my book. How would
>> > people feel
>> > >sharing the cost of insurance? What if we have 5
>> > people and the
>> > >cost of insurance is $400 per year?
>> > >
>> > >John, can you contact ARRL? Since we're heavily
>> > dependent on
>> > >amateur radio, we may be able to get insurance
>> > through them if we
>> > >create a radio club to do this. I'm not worried
>> > about equipment
>> > >insurance, only liability insurance. By not
>> > insuring the equipment,
>> > >we should be able to save money.
>> > >
>> > >Any inputs?
>> > >
>> > >I also think we should get a thank you for Idaho
>> > Power. Perhaps
>> > >they'd be interested in a copy of a video taken
>> > from near space.
>> > >
>> > >Paul
>> > >
>> > >
>> > >To unsubscribe from this group, send an email to:
>> > >tvnsp-unsubscribe@egroups.com
>> > >
>> > >
>> > >
>> > >Your use of Yahoo! Groups is subject to
>> > http://docs.yahoo.com/info/terms/
>> >
>>
>>
>> ____
>> Do You Yahoo!?
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> tvnsp-unsubscribe@egroups.com
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>
>
> Your use of Yahoo! Groups is subject to the Yahoo! Terms of Service.

--
Stephanie

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

Send and receive money safely over the Internet by using PayPal. I use
it and highly recommend it as a safe and reliable means to conduct
business. By using the link below we both will receive a $5 sign up
bonus.

https://www.paypal.com/refer/pal=kc7dba%40arrl.net

1357. Re: [tvnsp] What a video! and other stuff.

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-20 15:04:27 UTC
From: Stephanie Steele
Topic: 1353 Message: 1357

I would love to get a copy of the video (to go with mine from last flight that I haven't picked up yet!). I will pay you for a tape at the next meeting if you'd pick one up for me. Thanks!

--
Stephanie

****

"They that can give up essential liberty to obtain a little temporary safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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https://www.paypal.com/refer/pal=kc7dba%40arrl.net

1358. Multimeter

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-20 16:04:06 UTC
From: k7jps@arrl.net
Topic: 1358 Message: 1358

If any of you are interested in adding to your electronics tool box, Harob Freight Tools, 10296 Fairview, has a 7 function multimeter on sale for $4.99 now through December 3. It does Voltage, Current, and Resistance as well as transistor tests. The part number is 30756, check it out at http://www.harborfreight.com

John Stone
K7JPS

1359. Re: What a video! and other stuff.

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-20 16:09:22 UTC
From: paulson58@juno.com
Topic: 1353 Message: 1359

All-

This was incredible viewing. The sights and sounds captured
are awesome. The descent from the Balloon pop even showed much
of the Balloon on the Haul line right in front of the Camera.
You couldn't make it do that if you wanted. You can tell
exactly where the timer cutaway device at the Chute Apex
operated. It changes the Stack pitch angle. Great stuff.

I too will make copies of the Launch from the ground. Unlike
Jeff's Video which can and should be made seamless, I can and should
edit. Mine shows great How to's at the launch site and the thrill
of the Chase alll the way to a short, but good shot of the
Stack under Canopy as it makes it's final descent and disappears
behind the Signs and buildings. Mine sadly has a lot of
shots of my shoes as I move from one spot to another, the
world buncing by till your Sea sick, and some great Blurry
stuff inside the Truck. (I got no idea what I was doing)

I wll also be needing tapes.

Dan
KD7OST

1360. Re: [tvnsp] Meeting and others? from Paul

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-20 16:13:32 UTC
From: Jeff Melanson
Topic: 1349 Message: 1360

Paul Verhage wrote:
>
> We have the capsule back. Jeff's capsule is fine, mine is mostly
> toast. I have a nunber of items that survived and will fly again.

Were talking burnt crispy toast! some of the chips have the plastic
blown right off the surface!

> We need to meet soon to discuss issues of insurance and forming a club.
> Will Friday work? I'm thinking of an eating meeting, like our prelaunch
> dinners. Where would everyone like to meet? Time?

Something besides pizza but should still be in the Nampa-Caldwell area.
Suggestions? How about 6:00 pm?

> I have some pictures from the capsule to print. Would anyone like
> copies? I'll have them printed tomorrow.

I've already let Paul know I want a copy. Some of the pictures should
show the drop zond release.

> We have some nice video. We'll make copies for those interested. When
> the balloon was cut away, the image quality was fantastic. Usually the
> balloon yanks the capsule all over the place. But once the balloon is
> cut away, its real smooth sailing.

The best video yet. Bring some blanks to the meeting. Paul will bring me
his VCR and I'll start making copies. I'll have one with me to show at
the meeting.

> Begin searching for insurance, please. This will be very important for
> us this winter.

I am stating for the record that I won't fly (float) again without
liabilty insurance.

> Future experiments will involve paragliders. We'll run some tethered
> balloon tests before we actually launch one.

I have a small paraglider that Dan obtained. It won't carry our payloads
but we can run test's with it and study it's construction. I'll bring it
to the meeting. Check out this website that Zack Clobes brought to our
attention. It explains how they work.

http://www.powerglider.com/faqs.htm

> I'm also planning for us to attend a balloon launch by the NWS.

New People: Don't miss this! I went to the last one, it's very
educational.

> I also want to get video of water (dyed red) boiling in near space.

Anyone else have science experiment suggestions for future missions?
Ralph Wallio suggested one involving High Voltage arcing in near space.
The lower air pressure will greatly affect the ablility to jump a gap.
Anyone want to design that one? By the way for you newcomers here is
Ralph's wesite. He tracks records set by various mission.

http://users.crosspaths.net/~wallio/

> Another test is for a despun section. First though, I think we need to make > a sun
sensor.

The goal here is to take the spin out of the capsule to get good
photography. If a camera is held still with the lens help open long
enough we can get pictures of stars. Who will be the first!

> I'll put together a pamplet on what is near space in the next few days.
> Patches, we need to find a source for patches.

Paul defines Near Space as starting at 75,000 ft. What do you think? I
would like to see our logo made into a patch that can be sewn on the
front of a ballcap or on a jacket. Perhaps we can exchange patches with
other groups if they make some. We'll start a collection!

> As far as launching, we need to look at modifying our procedures. Jeff
> , the two Johns, and I were discussing a cutdown for the lanyards,
> rather than running the lanyards through a pulley. I imagine we should
> get hard hats for launch crews. I'll pick up some lab jackets. The
> hard hats are for protection while the lab coats are to look cool.

During our launch one of the lanyards got caught on the ring and Mike
had to let it go with the balloon. That was a good move. It probably
prevented a disaster! We'll need a new kite winder!

Another thing that we will be addressing is launching from locations
that prevent the capsules from coming down in populated areas. It might
mean recovery's that are more difficult. It just adds to the fun and
makes good stories. The paraglider concept should help with recovery.

Jeff Melanson
KD7INN

1361. TVNSP videos: FANTASTIC

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-20 16:35:27 UTC
From: n1ltv@yahoo.com
Topic: 1353 Message: 1361

> This was incredible viewing. The sights and sounds captured
> are awesome. The descent from the Balloon pop even showed much
> of the Balloon on the Haul line right in front of the Camera.
> You couldn't make it do that if you wanted. You can tell
> exactly where the timer cutaway device at the Chute Apex
> operated. It changes the Stack pitch angle. Great stuff.

I'm thrilled to hear how this bumpy TVNSP event is turning
out after that dismal Saturday afternoon.

The videos sound wonderful, and this group and this list
are FANTASTIC! Really, the spirit of cooperation among
TVNSP members is quite impressive. I have to add that
even though I'm a big balloon enthusiast, I don't gush
too much with compliments ordinarily.

I'd like to post permanently some very choice bits of
flight video to the AMSAT balloon page if a digital movie
file can be provided by TVNSP. Someone please email
me in the next few days about the mechanics of getting the
file created and uploaded. I'll check with AMSAT about
how much space could be made available as far as megabytes,
and if there's a preference about what image format.

Lastly, keep those still and movie images coming!!, because
this is the way to get ballooning on the map, and "sold"
to clubs and hams lukewarm or cool to ballooning and
the general "technical" side of ham radio. (I know,
ballooning doesn't have to be all technical).

Hank

1362. Re: [tvnsp] Meeting and others? from Paul

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-20 16:40:19 UTC
From: John Knapp
Topic: 1349 Message: 1362

If anyone is interested, Target has a video 12 pak for $10.00. Jeff, I will buy one and bring it to the meeting Friday. It is yours. One question: can you make several tapes at the same time? If so, I will loan you a recorder for making tapes.

JohnK

--- Jeff Melanson <kd7inn@...> wrote:
>
>
> Paul Verhage wrote:
> >
> > We have the capsule back. Jeff's capsule is fine,
> mine is mostly
> > toast. I have a nunber of items that survived and
> will fly again.
>
> Were talking burnt crispy toast! some of the chips
> have the plastic
> blown right off the surface!
>
> > We need to meet soon to discuss issues of
> insurance and forming a club.
> > Will Friday work? I'm thinking of an eating
> meeting, like our prelaunch
> > dinners. Where would everyone like to meet?
> Time?
>
> Something besides pizza but should still be in the
> Nampa-Caldwell area.
> Suggestions? How about 6:00 pm?
>
> > I have some pictures from the capsule to print.
> Would anyone like
> > copies? I'll have them printed tomorrow.
>
> I've already let Paul know I want a copy. Some of
> the pictures should
> show the drop zond release.
>
> > We have some nice video. We'll make copies for
> those interested. When
> > the balloon was cut away, the image quality was
> fantastic. Usually the

> > balloon yanks the capsule all over the place. But
> once the balloon is
> > cut away, its real smooth sailing.
>
> The best video yet. Bring some blanks to the
> meeting. Paul will bring me
> his VCR and I'll start making copies. I'll have one
> with me to show at
> the meeting.
>
> > Begin searching for insurance, please. This will
> be very important for
> > us this winter.
>
> I am stating for the record that I won't fly (float)
> again without
> liabilty insurance.
>
> > Future experiments will involve paragliders.
> We'll run some tethered
> > balloon tests before we actually launch one.
>
> I have a small paraglider that Dan obtained. It
> won't carry our payloads
> but we can run test's with it and study it's
> construction. I'll bring it
> to the meeting. Check out this website that Zack
> Clobes brought to our
> attention. It explains how they work.
>
> http://www.powerglider.com/faqs.htm
>
> > I'm also planning for us to attend a balloon
> launch by the NWS.
>
> New People: Don't miss this! I went to the last one,
> it's very
> educational.
>
> > I also want to get video of water (dyed red)
> boiling in near space.
>
> Anyone else have science experiment suggestions for
> future missions?
> Ralph Wallio suggested one involving High Voltage
> arcing in near space.
> The lower air pressure will greatly affect the
> ablility to jump a gap.
> Anyone want to design that one? By the way for you
> newcomers here is

> Ralph's wesite. He tracks records set by various
> mission.
>
> http://users.crosspaths.net/~wallio/
>
> > Another test is for a despun section. First
> though, I think we need to make > a sun sensor.
>
> The goal here is to take the spin out of the capsule
> to get good
> photography. If a camera is held still with the lens
> help open long
> enough we can get pictures of stars. Who will be the
> first!
>
> > I'll put together a pamplet on what is near space
> in the next few days.
> > Patches, we need to find a source for patches.
>
> Paul defines Near Space as starting at 75,000 ft.
> What do you think? I
> would like to see our logo made into a patch that
> can be sewn on the
> front of a ballcap or on a jacket. Perhaps we can
> exchange patches with
> other groups if they make some. We'll start a
> collection!
>
> > As far as launching, we need to look at modifying
> our procedures. Jeff
> > , the two Johns, and I were discussing a cutdown
> for the lanyards,
> > rather than running the lanyards through a pulley.
> I imagine we should
> > get hard hats for launch crews. I'll pick up some
> lab jackets. The
> > hard hats are for protection while the lab coats
> are to look cool.
>
> During our launch one of the lanyards got caught on
> the ring and Mike
> had to let it go with the balloon. That was a good
> move. It probably
> prevented a disaster! We'll need a new kite winder!
>
> Another thing that we will be addressing is
> launching from locations
> that prevent the capsules from coming down in
> populated areas. It might
> mean recovery's that are more difficult. It just

> adds to the fun and
> makes good stories. The paraglider concept should
> help with recovery.
>
> Jeff Melanson
> KD7INN
>

_____
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Yahoo! GeoCities - quick and easy web site hosting, just $8.95/month.
http://geocities.yahoo.com/ps/info1

1363. Toast ; crispy critters; I'll have mine well done, please

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-20 16:43:29 UTC
From: n1ltv@yahoo.com
Topic: 1349 Message: 1363

> Were talking burnt crispy toast! some of the chips have the plastic
> blown right off the surface!

Please take plenty of still pictures of the damage, inside
and out. Too bad there weren't two miracles and no capsule
got blasted, but this TVNSP filed testing regimen is very
severe -- way in excess of UL requirements. :)

Hank

1364. Re: [tvnsp] Meeting and others? from Paul

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-20 16:58:17 UTC
From: Jeff Melanson
Topic: 1349 Message: 1364

That's a good price for tapes.

When Paul brings his TV/VCR over I am going to hook things up like this: The camcorder will feed video to my TV/VCR. The output of my TV/VCR will feed video to Paul's TV/VCR. This makes two copies at once. This is how I made some of the last copy's. The video quality was good. It was recorded and played at standard speed. This new video is recorded at LP (longplay = 4 hrs) speed. I will check the video quality. I don't know if I can chain more recorders together and maintain quality. I'm not a video expert. Perhaps someone else can help with this technical question.

Jeff
KD7INN

John Knapp wrote:
>
> If anyone is interested, Target has a video 12 pak for
> $10.00. Jeff, I will buy one and bring it to the
> meeting Friday. It is yours. One question: can you
> make several tapes at the same time? If so, I will
> loan you a recorder for making tapes.
>
> JohnK
>
> --- Jeff Melanson <kd7inn@...> wrote:
> >
> >
> > Paul Verhage wrote:
> > >
> > > We have the capsule back. Jeff's capsule is fine,
> > mine is mostly
> > > toast. I have a nunber of items that survived and
> > will fly again.
> > >
> > Were talking burnt crispy toast! some of the chips
> > have the plastic
> > blown right off the surface!
> > >
> > > We need to meet soon to discuss issues of
> > insurance and forming a club.
> > > Will Friday work? I'm thinking of an eating
> > meeting, like our prelaunch
> > > dinners. Where would everyone like to meet?
> > Time?
> >

> > Something besides pizza but should still be in the
> > Nampa-Caldwell area.
> > Suggestions? How about 6:00 pm?
> >
> > > I have some pictures from the capsule to print.
> > Would anyone like
> > > copies? I'll have them printed tomorrow.
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> > I've already let Paul know I want a copy. Some of
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> > show the drop zond release.
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> > > We have some nice video. We'll make copies for
> > those interested. When
> > > the balloon was cut away, the image quality was
> > fantastic. Usually the
> > > balloon yanks the capsule all over the place. But
> > once the balloon is
> > > cut away, its real smooth sailing.
> >
> > The best video yet. Bring some blanks to the
> > meeting. Paul will bring me
> > his VCR and I'll start making copies. I'll have one
> > with me to show at
> > the meeting.
> >
> > > Begin searching for insurance, please. This will
> > be very important for
> > > us this winter.
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> > I am stating for the record that I won't fly (float)
> > again without
> > liabilty insurance.
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> > > Future experiments will involve paragliders.
> > We'll run some tethered
> > > balloon tests before we actually launch one.
> >
> > I have a small paraglider that Dan obtained. It
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> > but we can run test's with it and study it's
> > construction. I'll bring it
> > to the meeting. Check out this website that Zack
> > Clobes brought to our
> > attention. It explains how they work.
> >
> > http://www.powerglider.com/faqs.htm
> >
> > > I'm also planning for us to attend a balloon
> > launch by the NWS.

> >
> > New People: Don't miss this! I went to the last one,
> > it's very
> > educational.
> >
> > > I also want to get video of water (dyed red)
> > boiling in near space.
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> > Anyone else have science experiment suggestions for
> > future missions?
> > Ralph Wallio suggested one involving High Voltage
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> > The lower air pressure will greatly affect the
> > ablility to jump a gap.
> > Anyone want to design that one? By the way for you
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> > Ralph's wesite. He tracks records set by various
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> > > Another test is for a despun section. First
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> > The goal here is to take the spin out of the capsule
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> > photography. If a camera is held still with the lens
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> > enough we can get pictures of stars. Who will be the
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> > Paul defines Near Space as starting at 75,000 ft.
> > What do you think? I
> > would like to see our logo made into a patch that
> > can be sewn on the
> > front of a ballcap or on a jacket. Perhaps we can
> > exchange patches with
> > other groups if they make some. We'll start a
> > collection!
> >
> > > As far as launching, we need to look at modifying
> > our procedures. Jeff
> > > , the two Johns, and I were discussing a cutdown
> > for the lanyards,
> > > rather than running the lanyards through a pulley.
> > I imagine we should

> > > get hard hats for launch crews. I'll pick up some
> > lab jackets. The
> > > hard hats are for protection while the lab coats
> > are to look cool.
> >
> > During our launch one of the lanyards got caught on
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> > had to let it go with the balloon. That was a good
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> > prevented a disaster! We'll need a new kite winder!
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> > Another thing that we will be addressing is
> > launching from locations
> > that prevent the capsules from coming down in
> > populated areas. It might
> > mean recovery's that are more difficult. It just
> > adds to the fun and
> > makes good stories. The paraglider concept should
> > help with recovery.
> >
> > Jeff Melanson
> > KD7INN
> >
>
> ---
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1365. Re: Toast ; crispy critters; I'll have mine well done, please

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-20 16:56:31 UTC
From: n1ltv@yahoo.com
Topic: 1349 Message: 1365

> TVNSP filed testing regimen is very
> severe -- way in excess of UL requirements. :)

That was supposed to be *field* testing.

I'd of course like a tape, and I was going to
mail a bulk pack of at least six as a donation,
but suppose it would be more cost effective to
send cash and avoid needless shipping charges.

I'd encourage TVNSP list subscribers outside of
the Boise area to consider doing the same, if that
could be managed.

Is there a person who could be designated as the
receiver of such donations expressly related to
the tape? And who could do the mailing out of
tapes?

Bubble padded packages widely available now at
retail should be adequate protection for shipping.

Hank

1366. Re: [tvnsp] Toast ; crispy critters; I'll have mine well done, please

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-20 17:01:40 UTC
From: Jeff Melanson
Topic: 1349 Message: 1366

How do you like your toast?

Paul, we forgot to take pictures last night. Do you have a camera? If not then perhaps you can bring it to the meeting and someone can bring a digital camera.

Jeff
KD7INN

n1ltv@... wrote:
>
> > Were talking burnt crispy toast! some of the chips have the plastic
> > blown right off the surface!
>
> Please take plenty of still pictures of the damage, inside
> and out. Too bad there weren't two miracles and no capsule
> got blasted, but this TVNSP filed testing regimen is very
> severe -- way in excess of UL requirements. :)
>
> Hank
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

1367. Re: [tvnsp] Multimeter

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-20 16:58:51 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1358 Message: 1367

> If any of you are interested in adding to your electronics tool box,
> Harob Freight Tools, 10296 Fairview, has a 7 function multimeter on
> sale for $4.99 now through December 3. It does Voltage, Current, and
> Resistance as well as transistor tests. The part number is 30756,
> check it out at http://www.harborfreight.com

There's a Harbor Freight in Boise on Fairview. I recommend a
DMM when working on the CC/PS.

Paul

1368. Re: [tvnsp] Re: What a video! and other stuff.

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-20 17:00:14 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1353 Message: 1368

> I wll also be needing tapes.

When I pick up film tonight, I'll also pick up some video tapes.

Paul

1369. Re: [tvnsp] TVNSP videos: FANTASTIC

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-20 17:08:48 UTC
From: Jeff Melanson
Topic: 1353 Message: 1369

Mark Conner made a video of the landing of the last flight...

14.5 Mb MPEG:
http://www.n9xtn.101main.com/tv01g-landing.mpg

1.5 Mb RealVideo:
http://www.n9xtn.101main.com/tv01g-landing.rm

He might want to make a video clip of this flight but first we have to
get a copy made and mailed to him. I have no idea how much trouble it is
to make this. Does anyone else have this capability? Paul will sometime
this winter but hasn't set up his equipment yet.

Jeff Melanson
KD7INN

n1ltv@... wrote:
>
> > This was incredible viewing. The sights and sounds captured
> > are awesome. The descent from the Balloon pop even showed much
> > of the Balloon on the Haul line right in front of the Camera.
> > You couldn't make it do that if you wanted. You can tell
> > exactly where the timer cutaway device at the Chute Apex
> > operated. It changes the Stack pitch angle. Great stuff.
>
> I'm thrilled to hear how this bumpy TVNSP event is turning
> out after that dismal Saturday afternoon.
>
> The videos sound wonderful, and this group and this list
> are FANTASTIC! Really, the spirit of cooperation among
> TVNSP members is quite impressive. I have to add that
> even though I'm a big balloon enthusiast, I don't gush
> too much with compliments ordinarily.
>
> I'd like to post permanently some very choice bits of
> flight video to the AMSAT balloon page if a digital movie
> file can be provided by TVNSP. Someone please email
> me in the next few days about the mechanics of getting the
> file created and uploaded. I'll check with AMSAT about
> how much space could be made available as far as megabytes,
> and if there's a preference about what image format.
>
> Lastly, keep those still and movie images coming!!, because
> this is the way to get ballooning on the map, and "sold"
> to clubs and hams lukewarm or cool to ballooning and
> the general "technical" side of ham radio. (I know,

> ballooning doesn't have to be all technical).
>
> Hank
>
>
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> tvnsp-unsubscribe@egroups.com
>
>
>
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1370. Re: [tvnsp] Meeting and others? from Paul

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-20 17:03:36 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1349 Message: 1370

> Anyone else have science experiment suggestions for future missions?
> Ralph Wallio suggested one involving High Voltage arcing in near space.
> The lower air pressure will greatly affect the ablility to jump a gap.
> Anyone want to design that one?

I forgot to mention that. I'd like to try that, using a servo to adjust
the gap.

Paul

1371. Re: [tvnsp] Meeting and others? from Paul

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-20 17:05:41 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1349 Message: 1371

> If anyone is interested, Target has a video 12 pak for
> $10.00. Jeff, I will buy one and bring it to the
> meeting Friday. It is yours. One question: can you
> make several tapes at the same time? If so, I will
> loan you a recorder for making tapes.

I guess I'll get a pack also.

Paul

1372. Re: [tvnsp] Toast ; crispy critters; I'll have mine well done, please

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-20 17:10:22 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1349 Message: 1372

> Paul, we forgot to take pictures last night. Do you have a camera? If
> not then perhaps you can bring it to the meeting and someone can bring a
> digital camera.

We'll get photos at the meeting. Can someone bring a digital
camera?

Paul

1373. Tapes

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-20 18:01:55 UTC
From: Jeff Melanson
Topic: 1373 Message: 1373

Don't worry about the cost. Just send us an address. If you don't want
to post your address here send it to paul.verhage@... .

n1ltv@... wrote:
>
> I'd of course like a tape, and I was going to
> mail a bulk pack of at least six as a donation,
> but suppose it would be more cost effective to
> send cash and avoid needless shipping charges.
>

1374. Re: [tvnsp] Multimeter

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-20 18:28:39 UTC
From: ke4slc
Topic: 1358 Message: 1374

I went to the web site listed below, found the Multimeter for $4.99. Click on "Add to Basket", the price comes up at $49,900.00. A little steep for my credit card. I didn't go any further.
73 de Dan

----- Original Message -----
From: k7jps@...
To: tvnsp@yahoogroups.com
Sent: Tuesday, November 20, 2001 10:04 AM
Subject: [tvnsp] Multimeter

If any of you are interested in adding to your electronics tool box, Harob Freight Tools, 10296 Fairview, has a 7 function multimeter on sale for $4.99 now through December 3. It does Voltage, Current, and Resistance as well as transistor tests. The part number is 30756, check it out at http://www.harborfreight.com

John Stone
K7JPS

1375. RE: [tvnsp] Recovery of Capsule

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-20 19:05:23 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 1326 Message: 1375

This could be the kicker to get me to finally join VOI.

Bill B.

-----Original Message-----
From: Doug Rich [mailto:doug@...]
Sent: Monday, November 19, 2001 7:04 PM
To: tvnsp@yahoogroups.com; tvnsp@yahoogroups.com
Subject: Re: [tvnsp] Recovery of Capsule

Please let me suggest an alternative to forming a new radio club. I believe it is possible to have the VOI club sponsor the balloon program. It already has the insurance to cover all members in club sponsored activities. A good number of us are already members. The cost to join is $20. per calendar year and includes a newsletter. In the past there have been those in the club that thought ballooning was not an activity the club should sponsor. They are in the vast minority!
I have been nominated as a candidate for President. I will make it known my intent to have the club sponsor the "high altitude balloon" project. There would be a budget for costs, such as gas, balloons, and equipment. If we gain a number of members, it would help defray the costs of the budget. The insurance is already built into the budget and would not be affected.
I think it would be a good option. I am sure there would be some details that would need to be worked out but I don't see any problems.

Your thoughts, please.

Doug KD6GCL

At 03:03 PM 11/19/01 -0700, verhap@... wrote:

I just got off the phone with Mr. Morgan. Dan, Mike, and John are authorized to pick up the capsule from the Idaho Power's office on Five Mile and Franklin. You'll need to bring ID with you. We need to meet and look over the capsules. I want to determine what was damaged and what we'll need to replace. I hope to pull data from the Thermochrons tonight. With any luck, a sizable fraction of the equipment will be salvagable.

Mr. Morgan let me know that when the capsule landed, it tripped a feeder to parts of Caldwell. Those businesses not effected are on a different feeder.

We will look at launch procedures. I'm thinking we should move a launch location that will not let the capsule descend over a city, even if the prediction is for the capsule to overfly the city. There should be no problem ascending over a city, but at the predicted

burst point, I want to make sure we're not predicted to parachute over a city.

Second change....
Since we won't be flying again until the 2002 campaign beginning in March, we will spend part of the winter looking at insurance. Some kind of liability insurance will protect us from accidents like this. This may mean we'll have to become a non-profit. How ever it works out, I'll document it in my book. How would people feel sharing the cost of insurance? What if we have 5 people and the cost of insurance is $400 per year?

John, can you contact ARRL? Since we're heavily dependent on amateur radio, we may be able to get insurance through them if we create a radio club to do this. I'm not worried about equipment insurance, only liability insurance. By not insuring the equipment, we should be able to save money.

Any inputs?

I also think we should get a thank you for Idaho Power. Perhaps they'd be interested in a copy of a video taken from near space.

Paul

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1376. RE: [tvnsp] Meeting and others? from Paul

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-20 19:11:43 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 1349 Message: 1376

I'll be glad to try to attend the meeting this week, provided it's not on Turkey Day.

I'd like to see the pictures, but don't need copies of them, at least not at this moment.

I'm definitely interested in a copy of the video. How can I help defray the costs of copying? Bring some blanks to the meeting, drop them off somewhere, contribute to the cost of the blank tapes used, or...?

Bill B.

> -----Original Message-----
> From: Jeff Melanson [mailto:kd7inn@...]
> Sent: Monday, November 19, 2001 10:25 PM
> To: tvnsp@yahoogroups.com
> Subject: [tvnsp] Meeting and others? from Paul
>
>
> We have the capsule back. Jeff's capsule is fine, mine is mostly
> toast. I have a nunber of items that survived and will fly again.
>
> We need to meet soon to discuss issues of insurance and
> forming a club.
> Will Friday work? I'm thinking of an eating meeting, like
> our prelaunch
> dinners. Where would everyone like to meet? Time?
>
> I want to thank Idaho Power for their support. The equipment was
> protected at their yard. There was no damage from them after it was
> brought down. Thanks again.
>
> I have some pictures from the capsule to print. Would anyone like
> copies? I'll have them printed tomorrow.
>
> We have some nice video. We'll make copies for those
> interested. When
> the balloon was cut away, the image quality was fantastic.
> Usually the
> balloon yanks the capsule all over the place. But once the balloon is
> cut away, its real smooth sailing.
>
> Begin searching for insurance, please. This will be very
> important for
> us this winter.
>

> Future experiments will involve paragliders. We'll run some tethered
> balloon tests before we actually launch one. I'm also planning for us
> to attend a balloon launch by the NWS. I also want to get video of
> water (dyed red) boiling in near space. Another test is for a despun
> section. First though, I think we need to make a sun sensor.
>
> I'll put together a pamplet on what is near space in the next
> few days.
> Patches, we need to find a source for patches.
>
> As far as launching, we need to look at modifying our
> procedures. Jeff
> , the two Johns, and I were discussing a cutdown for the lanyards,
> rather than running the lanyards through a pulley. I imagine
> we should
> get hard hats for launch crews. I'll pick up some lab jackets. The
> hard hats are for protection while the lab coats are to look cool.
>
> Paul
>

1377. Re: [tvnsp] Meeting and others? from Paul

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-20 19:22:28 UTC
From: Jeff Melanson
Topic: 1349 Message: 1377

We'll get a list of names together at the meeting of all those that want
a copy and those we are sending a copy to. Then we'll know how many we
need.

Jeff

"BLOHM,BILL (HP-Boise,ex1)" wrote:
>
> I'll be glad to try to attend the meeting this week, provided it's not on
> Turkey Day.
>
> I'd like to see the pictures, but don't need copies of them, at least not at
> this moment.
>
> I'm definitely interested in a copy of the video. How can I help defray the
> costs of copying? Bring some blanks to the meeting, drop them off somewhere,
> contribute to the cost of the blank tapes used, or...?
>
> Bill B.
>
> > -----Original Message-----
> > From: Jeff Melanson [mailto:kd7inn@...]
> > Sent: Monday, November 19, 2001 10:25 PM
> > To: tvnsp@yahoogroups.com
> > Subject: [tvnsp] Meeting and others? from Paul
> >
> >
> > We have the capsule back. Jeff's capsule is fine, mine is mostly
> > toast. I have a nunber of items that survived and will fly again.
> >
> > We need to meet soon to discuss issues of insurance and
> > forming a club.
> > Will Friday work? I'm thinking of an eating meeting, like
> > our prelaunch
> > dinners. Where would everyone like to meet? Time?
> >
> > I want to thank Idaho Power for their support. The equipment was
> > protected at their yard. There was no damage from them after it was
> > brought down. Thanks again.
> >
> > I have some pictures from the capsule to print. Would anyone like
> > copies? I'll have them printed tomorrow.
> >
> > We have some nice video. We'll make copies for those
> > interested. When

> > the balloon was cut away, the image quality was fantastic.
> > Usually the
> > balloon yanks the capsule all over the place. But once the balloon is
> > cut away, its real smooth sailing.
> >
> > Begin searching for insurance, please. This will be very
> > important for
> > us this winter.
> >
> > Future experiments will involve paragliders. We'll run some tethered
> > balloon tests before we actually launch one. I'm also planning for us
> > to attend a balloon launch by the NWS. I also want to get video of
> > water (dyed red) boiling in near space. Another test is for a despun
> > section. First though, I think we need to make a sun sensor.
> >
> > I'll put together a pamplet on what is near space in the next
> > few days.
> > Patches, we need to find a source for patches.
> >
> > As far as launching, we need to look at modifying our
> > procedures. Jeff
> > , the two Johns, and I were discussing a cutdown for the lanyards,
> > rather than running the lanyards through a pulley. I imagine
> > we should
> > get hard hats for launch crews. I'll pick up some lab jackets. The
> > hard hats are for protection while the lab coats are to look cool.
> >
> > Paul
> >
>
>
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1378. The viewfinder story continues.

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-20 19:25:10 UTC
From: Jeff Melanson
Topic: 1378 Message: 1378

This morning after making the first copy of the tape I rechecked the viewfinder. It's working perfectly! Hmmm...

Jeff (with the magic viewfinder) Melanson
KD7INN

1379. Re: [tvnsp] Toast ; crispy critters; I'll have mine well done, please

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-20 21:04:36 UTC
From: Tim Rynearson
Topic: 1379 Message: 1379
Attachments: 1 described; binary payloads are missing from this source WARC

When and where are we going to meet ? I'll bring my HP digital camera.....

Tim.....

-------Original Message-------

From:verhap@...
Date: Tuesday, November 20, 2001 09:35:40 AM
To:tvnsp@yahoogroups.com
Subject: Re: [tvnsp] Toast ; crispy critters; I'll have mine well done, please

> Paul, we forgot to take pictures last night. Do you have a camera? If
> not then perhaps you can bring it to the meeting and someone can bring a
> digital camera.

We'll get photos at the meeting. Can someone bring a digital
camera?

Paul

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1380. Hmmm... This guy is a nut!

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-20 21:21:36 UTC
From: Jeff Melanson
Topic: 1380 Message: 1380

I don't know what to think of this...

http://www.balloonlife.com/publications/balloon_life/9706/pleiades.htm

Jeff (I'll keep my feet on the ground) Melanson
KD7INN

1381. Re: [tvnsp] Toast ; crispy critters; I'll have mine well done, please

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-20 21:24:17 UTC
From: Jeff Melanson
Topic: 1379 Message: 1381

We usually meet at the Nampa Caldwell Idaho Pizza place but Paul and I were wondering if everyone else is getting tired of pizza. Any suggestions for a place in the same area? Who knows the area?

Jeff

1382. Re: Meeting and others? from Paul

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-20 22:12:10 UTC
From: paulson58@juno.com
Topic: 1349 Message: 1382

--- In tvnsp@y..., verhap@o... wrote:
> > Anyone else have science experiment suggestions for future missions?
> > Ralph Wallio suggested one involving High Voltage arcing in near space.
> > The lower air pressure will greatly affect the ablility to jump a gap.
> > Anyone want to design that one?
>
> I forgot to mention that. I'd like to try that, using a servo to adjust
> the gap.
>
> Paul

Can you detail this a bit more? Does the gap become easier or harder to jump as you go up? What should be used for electrodes? How far do you want the gaps to move? We don't have to pull apart our favorite Jacobs Ladders for high voltage caps and coils do we?

Dan
KD7OST

1383. Re: [tvnsp] Re: Meeting and others? from Paul

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-20 22:49:13 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1349 Message: 1383

> Can you detail this a bit more? Does the gap become easier or harder
> to jump as you go up? What should be used for electrodes? How far do
> you want the gaps to move? We don't have to pull apart our
> favorite Jacobs Ladders for high voltage caps and coils do we?

I'll get a low current air ionizer circuit through a surplus magazine.
The terminals are just wires. I'll glue them to a plastic servo horn.
The flight computer (CC/PS) will cycle the servos every one to two
thousand feet. All I have to do is detect when the current begins to
flow.

As the balloon ascends and the air pressure drops, it should be
easier for the electrons to jump the gap between the electrodes.
When that happens, you get a spark across the gap.

Paul "spark gap between the ears" Verhage

1384. Re: [tvnsp] Re: Meeting and others? from Paul

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-20 23:05:30 UTC
From: ke4slc
Topic: 1349 Message: 1384

Paul:

Can we call you "Sparky" now?
----- Original Message -----
From: verhap@...
To: tvnsp@yahoogroups.com
Sent: Tuesday, November 20, 2001 4:49 PM
Subject: Re: [tvnsp] Re: Meeting and others? from Paul

Paul "spark gap between the ears" Verhage

1385. Re: [tvnsp] Re: Meeting and others? from Paul

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-20 23:14:38 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1349 Message: 1385

So Dan Miller, when's the next time you expect to be around?

Paul

1386. Re: [tvnsp] Re: Meeting and others? from Paul

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-20 23:23:42 UTC
From: ke4slc
Topic: 1349 Message: 1386

Paul:
Not for a long time. I've recently changed companies and now I only go east from KS. I did go through Caldwell at the end of September but the timing was wrong. It was a weekday and I'm sure you were working so I didn't want to bother you. If things change and I head that direction, I'll let you know.
73 de Dan

----- Original Message -----
From: verhap@...
To: tvnsp@yahoogroups.com
Sent: Tuesday, November 20, 2001 5:14 PM
Subject: Re: [tvnsp] Re: Meeting and others? from Paul

So Dan Miller, when's the next time you expect to be around?

Paul

1387. Website name

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-21 00:00:21 UTC
From: Mike Garske
Topic: 1387 Message: 1387

Paul and the group,

I was checking out website names last night and I noticed tvnsp.org was not taken....., I would like to propose changing our web address to this.I am willing to get the name registered and donate the use of it the cause,but I don't want to step on Doug Rich's toes in doing this, so I figured I would ask what everyone thought beforehand. Just thought it would be neat to have our own domain name for the group!

Mike KC7DPD

1388. Re: Website name

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-21 00:04:11 UTC
From: paulson58@juno.com
Topic: 1387 Message: 1388

Put me in for a Yes.

Dan
KD7OST

--- In tvnsp@y..., "Mike Garske" <kc7dpd@v...> wrote:
> Paul and the group,
>
> I was checking out website names last night and I noticed tvnsp.org was not taken....., I would like to propose changing our web address to this.I am willing to get the name registered and donate the use of it the cause,but I don't want to step on Doug Rich's toes in doing this, so I figured I would ask what everyone thought beforehand. Just thought it would be neat to have our own domain name for the group!
>
> Mike KC7DPD

1389. RE: [tvnsp] Website name

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-21 00:15:23 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 1387 Message: 1389

Sounds great to me! That would also make it easier for people to find it, if they've any internet savvy at all. "What was that group, TVNSP? Let's try www.tvnsp.com...no <http://www.tvnsp.com...no> ? Hmmm, let's try www.tvnsp.org....hey <http://www.tvnsp.org....hey> ! There it is!"

Bill B.

-----Original Message-----
From: Mike Garske [mailto:kc7dpd@...]
Sent: Tuesday, November 20, 2001 5:00 PM
To: tvnsp@yahoogroups.com
Subject: [tvnsp] Website name

Paul and the group,

I was checking out website names last night and I noticed tvnsp.org was not taken......, I would like to propose changing our web address to this.I am willing to get the name registered and donate the use of it the cause,but I don't want to step on Doug Rich's toes in doing this, so I figured I would ask what everyone thought beforehand. Just thought it would be neat to have our own domain name for the group!

Mike KC7DPD

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<http://us.adserver.yahoo.com/l?M=214563.1739747.3262053.1261774/D=egroupmail/S=1705083281:HM/A=867009/rand=423706001>

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1390. Re: [tvnsp] What a video! and other stuff.

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-21 01:08:27 UTC
From: Randy Farley
Topic: 1353 Message: 1390

Jeff,Dan and Paul

I would like copies of both video's and snapshots. (they sound priceless)
I cannot make the meeting Friday due our annual club "coffee break" function this holiday weekend. It would be great to have a video to show visitors on their travels,but that is probably not possible this time.
I will make good on tapes and funds where needed.

Also check my logs, i showed 94,142 feet. Every foot counts when great balloonists strive for perfection.

What an exciting launch i had to miss. Nothing like breaking in "newbies" with spectacular feats of daring. (tongue firmly in cheek ready to swallow.) Sounds like we have a bunch of new and talented members getting involved with the group.

Also,i am in agreement on needing insurance. I have been a little nervous about this anyway. Whatever the majority decides, i will go along with it.
Any of the mentioned ideas presented so far i can live with.

Jeff wrote:
Paul and Dan and I have watched the video. It is the first full length video from launch to landing that went to 94,081 ft. The thicker skinned balloon allowed the higher altitude. Normally we would have expected.....
<snip>
--
Regards,
Randy Farley
N7GPS -Ham Call-
My Home at: http://map.findu.com/n7gps
Find my pickup at: http://map.findu.com/n7gps-9
Also see daily weather radar reports for my location at:
(scroll to bottom of page)
http://www.findu.com/cgi-bin/find.cgi?call=n7gps&radar=CBX

1391. RE: [tvnsp] Website name

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-21 01:16:07 UTC
From: Doug Rich
Topic: 1387 Message: 1391

Another benefit of be apart of the VOI. Web space is free. You could get a domain but there is ongoing expenses involved. You could spend your money on real balloon stuff like gas and balloons rather than Internet costs. A domain name does not cost much but to have it hosted does. I have no stake in the current site. You, of course, can do what you want. You could even get the domain and have it point to the balloon section of the VOI site. I just think any extra money spent might best go to balloon hardware.

Doug

At 04:15 PM 11/20/01 -0800, you wrote:
>Sounds great to me! That would also make it easier for people to find it,
>if they've any internet savvy at all. "What was that group, TVNSP? Let's
>try <http://www.tvnsp.com...no>www.tvnsp.com...no? Hmmm, let's try
><http://www.tvnsp.org....hey>www.tvnsp.org....hey! There it is!"
>
>Bill B.
>-----Original Message-----
>From: Mike Garske [mailto:kc7dpd@...]
>Sent: Tuesday, November 20, 2001 5:00 PM
>To: tvnsp@yahoogroups.com
>Subject: [tvnsp] Website name
>
>Paul and the group,
>
> I was checking out website names last night and I noticed tvnsp.org
> was not taken......, I would like to propose changing our web address to
> this.I am willing to get the name registered and donate the use of it the
> cause,but I don't want to step on Doug Rich's toes in doing this, so I
> figured I would ask what everyone thought beforehand. Just thought it
> would be neat to have our own domain name for the group!
>
>Mike KC7DPD
>
>
>
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1392. Re: [tvnsp] Meeting and others? from Paul

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-21 01:47:55 UTC
From: Randy Farley
Topic: 1349 Message: 1392

> As far as launching, we need to look at modifying our procedures. Jeff
> , the two Johns, and I were discussing a cutdown for the lanyards,
> rather than running the lanyards through a pulley. I imagine we should
> get hard hats for launch crews. I'll pick up some lab jackets. The
> hard hats are for protection while the lab coats are to look cool.
>
> Paul

Do we get "Cool Shades" to go with the lab coats to be reeee..ally cool?

--
Regards,
Randy Farley
N7GPS -Ham Call-
My Home at: http://map.findu.com/n7gps
Find my pickup at: http://map.findu.com/n7gps-9
Also see daily weather radar reports for my location at:
(scroll to bottom of page)
http://www.findu.com/cgi-bin/find.cgi?call=n7gps&radar=CBX

1393. Good news, sounds like

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-21 03:43:43 UTC
From: Mark Conner
Topic: 1393 Message: 1393

Glad to hear many things were resolved with Idaho Power. With my own flight, I was fortunate to have understanding crews responding. This was though I pulled one guy off his tree-trimming job on a Saturday. They were very professional throughout, and took extra care to recover my camera intact, though I told them to just knock it off the wire if that was easier/safer.

I'm in Indiana this week for Thanksgiving, so I'm a little slow on the e-mail. Yes, I'd like a videotape, and it's not much effort to make a clip for a web server and I'm happy to do it. I owe Paul for a couple of boards, so I'll add some more for another tape coming this way. If TVNSP is going to have its own domain and web space, then you may want the clips stored there as my uptime and bandwidth are not the best (the same machine that has the clips is my APRSPlus I-gate at home).

I'm also interested to hear about your efforts on insurance. If this can be covered under the ARRL club liability insurance, I may go that route if the club I belong to agrees.

73 de Mark N9XTN

1394. RE: [tvnsp] Meeting and others? from Paul

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-21 05:21:10 UTC
From: Bill Herrmann
Topic: 1349 Message: 1394

> > We need to meet soon to discuss issues of insurance and
> > forming a club.
> > Will Friday work? I'm thinking of an eating meeting, like
> > our prelaunch
> > dinners. Where would everyone like to meet? Time?

Friday is doable. Idaho Pizza's fine with me, but if you guys are tired of pizza elsewhere is ok too. (I may have kids in tow, so kid-friendly is a plus, but not essential.) Please keep me posted. I'm also updating Bill B.

> > I want to thank Idaho Power for their support.

Speaking of Idaho Power... Did anyone notify KTRV that the equipment had been returned? If not, we should be sure to do that.
BTW for Todd - They didn't arrive till after your crew left.

> > I have some pictures from the capsule to print. Would anyone like
> > copies? I'll have them printed tomorrow.

I'm definitely interested in seeing them, but don't necessarily need a copy of them all right now. I wouldn't mind a copy of 2-3 really good ones though. I trust Paul's judgement on that.

>We have some nice video. We'll make copies for those interested. When
>the balloon was cut away, the image quality was fantastic.

Cool - I would definitely like a copy of that. I'll bring some blank tapes. I owe you one anyway for the TV01G tape. I'd like to get a copy of the flight tape and the instructional tape. (Edited version just fine)

>I'm also planning for us to attend a balloon launch by the NWS.

Sounds interesting.

>I also want to get video of water (dyed red) boiling in near
>space. Another test is for a despun section. First though, I think we
>need to make a sun sensor.

Sounds like some good ideas. I think the sun sensor could be relatively simple. I've got one of the old Heathkit robots and it is able to locate a light source just by the different illumination level even in a brightly lit room. We might have to use some type of filter to scale the available light to avoid swamping the sensor.

>Patches, we need to find a source for patches.

I'll ask a buddy who used to own a souvenir sports store. He'll know where to get them. I'm going to try and drag him along anyway. <grin>

>As far as launching, we need to look at modifying our procedures. Jeff,
>the two Johns, and I were discussing a cutdown for the lanyards, rather
>than running the lanyards through a pulley.

I've got a working idea how to do that. I'll try to draw up a sketch before Friday. I figured out a way to permit releasing one lanyard and then the other that seems pretty simple.

>I imagine we should get hard hats for launch crews. I'll pick up some lab
>jackets. The hard hats are for protection while the lab coats are to look
>cool.

LOL - You'll need to get the hard hats dirty or you'll look like managers or scientists. <grin> If you don't mind mine looking well-used I can supply my own. It'll be an interesting mix of technology. I volunteer at the restoration of an old railroad and work on a steam engine that was built in 1915. (See http://www.svry.com)

Bill

p.s. Please excuse the double quote marks in places. Micron is blocking Boise School District so I don't receive any messages from Paul direct.

1395. Tape Copying

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-21 05:31:17 UTC
From: Bill Herrmann
Topic: 1349 Message: 1395

At 09:58 AM 11/20/01 -0700, you wrote:
>The camcorder will feed video to my TV/VCR. The output of my TV/VCR will
>feed video to Paul's TV/VCR. This makes two copies at once. This is how
>I made some of the last copy's.

Hmmm, it might be worth trying a splitter on the output of the "main" vcr. That way you don't have the second VCR amplifying for the third. (Might be better, might be worse.)

>The video quality was good. It was recorded and played at standard speed.

I'd definitely use the slowest (shortest play time) speed you can get away with. The quality is far better.

>I don't know if I can chain more recorders together and maintain quality.

I'm sure there is a limit, but I'm not sure what it is. It seems like I've heard of at least one video outfit here in town. I wonder what they would charge to do the copies. Another option might be one of the TV Stations if anybody has connections there....

Bill

1396. Re: [tvnsp] Website name

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-21 05:39:31 UTC
From: Bill Herrmann
Topic: 1387 Message: 1396

At 05:00 PM 11/20/01 -0700, you wrote:
>I was checking out website names last night and I noticed tvnsp.org was
>not taken....., I would like to propose changing our web address to this.
[snip]
> Just thought it would be neat to have our own domain name for the group!

I agree. I'm willing to contribute to that cause. I've already got a
contact record set up if needed.

Doug - can a domain be pointed at the current location? (or VOI if we go
that route?) I know the place where I host pages for some non-profits
allows setting up sub-domains that point at a sub-directory for a much
lower fee than full-blown hosting. If we do end up looking for a place to
host it I will offer space at my cost. (I resell 2 non-profit groups space
under the third so that I get a lower price overall.) However, Doug's right
- I'd rather see the money go to balloon flights than page hosting if possible.

Bill

1397. Club Options

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-21 05:40:52 UTC
From: Bill Herrmann
Topic: 1397 Message: 1397

I support either VOI or separate club, but I'd recommend at least checking into the VOI option. Personally, I found out about TVNSP when Paul brought his gear to a VOI meeting.

Bill

1398. Re: [tvnsp] Meeting and others? from Paul

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-21 07:30:12 UTC
From: Jeff Melanson
Topic: 1349 Message: 1398

Only Men in Black get the reeee..ally cool shades.

Jeff

Randy Farley wrote:
>
> > As far as launching, we need to look at modifying our procedures. Jeff
> > , the two Johns, and I were discussing a cutdown for the lanyards,
> > rather than running the lanyards through a pulley. I imagine we should
> > get hard hats for launch crews. I'll pick up some lab jackets. The
> > hard hats are for protection while the lab coats are to look cool.
> >
> > Paul
>
> Do we get "Cool Shades" to go with the lab coats to be reeee..ally cool?
>
> --
> Regards,
> Randy Farley
> N7GPS -Ham Call-
> My Home at: http://map.findu.com/n7gps
> Find my pickup at: http://map.findu.com/n7gps-9
> Also see daily weather radar reports for my location at:
> (scroll to bottom of page)
> http://www.findu.com/cgi-bin/find.cgi?call=n7gps&radar=CBX
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

1399. Re: [tvnsp] Meeting and others? from Paul

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-21 11:22:28 UTC
From: Tim Rynearson
Topic: 1349 Message: 1399
Attachments: 1 described; binary payloads are missing from this source WARC

Paul, I have some white 'chefs coats' around here that I picked up at a thrift store once....would these work ?

Tim.....

-------Original Message-------

From:Randy Farley
Date: Tuesday, November 20, 2001 07:35:13 PM
To:tvnsp@yahoogroups.com
Subject: Re: [tvnsp] Meeting and others? from Paul

> As far as launching, we need to look at modifying our procedures. Jeff
> , the two Johns, and I were discussing a cutdown for the lanyards,
> rather than running the lanyards through a pulley. I imagine we should
> get hard hats for launch crews. I'll pick up some lab jackets. The
> hard hats are for protection while the lab coats are to look cool.
>
> Paul

Do we get "Cool Shades" to go with the lab coats to be reeee..ally cool?

--
Regards,
Randy Farley
N7GPS -Ham Call-
My Home at: http://map.findu.com/n7gps
Find my pickup at: http://map.findu.com/n7gps-9
Also see daily weather radar reports for my location at:
(scroll to bottom of page)
http://www.findu.com/cgi-bin/find.cgi?call=n7gps&radar=CBX

To unsubscribe from this group, send an email to:
tvnsp-unsubscribe@egroups.com

Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

1400. Re: [tvnsp] What a video! and other stuff.

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-21 14:26:17 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1353 Message: 1400

> Also check my logs, i showed 94,142 feet. Every foot counts when great
> balloonists strive for perfection.

Randy, can you email me your logs? The ones I have show a max
altitude of 93,000 feet.

Paul

1401. White Coats

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-21 14:40:02 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1349 Message: 1401

> Paul, I have some white 'chefs coats' around here that I picked up at a thrift store once....would these work ?

I'm not familair with them. do they look like the coats scientitsts wear in the lab? I've seen them on spacecraft engineers in NASA photos.

Paul

1402. Meeting and Other Topics

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-21 15:03:06 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1402 Message: 1402

Near the corner of Fairview and Eagle is the Texas Road House.
It's a bit noisy, but they have good eats. Would anyone be
interested in meeting there on Friday?

At this meeting we'll discuss club plans, insurance research, and
webpages.

For now let's leave the email group open to discussions on
planning future experiments, launch procedures, and publicity.

I plan to shoot more CC/PS (flight computer) boards this weekend.
For our meeting on the first Sunday in December, I'd like to work
on parachutes. Who is ready to cut?

If there's only a few people who will be making parachutes, then I'd
like to get more capsules built. For this you need 3/4" styrofoam
sheets. A 4' by 8' sheet from Home Depot will build a small fleet.
If Bill can line us up with patches, I'd like to sew some onto the
abrasion jackets of the capsules. I'd like to see us keep to a
uniform design so that we can easily integrate everyone's capsules
into a near space stack.

After a couple of capsules are put together, I'd like to get everyone
trained on the Basic Stamp.

Two new terminology terms....
A fast ascent rate can be referred to as a hot launch.

Once the balloon reaches an altitude above 75,000 feet, is it on
station. NASA says a Shuttle is on station once it arrives in orbit.

I'd like to design an aurora flight that could be launched on a one
day's notice. That design should keep us busy for a while. If
anyone feels like they're not busy, I can find something for you
(don't I sound like a teacher?).

Paul

1403. Photos

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-21 15:10:42 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1403 Message: 1403

I made six sets of photos last night. The total cost was $21.50, so divide that by six for your cost.

Many photos are of the ground before launch. I'm wondering if the capsule thought it was in descent mode.

There is one photo of the Dropzond. The location is over the barren deserts of Oregon. We have some photos of clouds. Most of the pictures are pretty bland (sort of like Oregon). there is a total of 25 pictures, so the camera worked as it suppose to.

After you start building airframes, I need to get the group modifying their own cameras and building scan platforms for them.

Paul

1404. Re: [tvnsp] Meeting and Other Topics

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-21 15:35:09 UTC
From: John Knapp
Topic: 1402 Message: 1404

The Texas Road house is extremely busy on Friday
nights. The place around there looks like a zoo. If we
are having equipment at the meeting then I would
suggest a place that is fairly quiet. One place is the
Jade Garden on Nampa-Caldwell Blvd. It also has a back
room that would help us keep things out of the way of
other people.

My two cents worth.

John (the other John) Knapp
KD7HGS

--- verhap@... wrote:
> Near the corner of Fairview and Eagle is the Texas
> Road House.
> It's a bit noisy, but they have good eats. Would
> anyone be
> interested in meeting there on Friday?
>
> At this meeting we'll discuss club plans, insurance
> research, and
> webpages.
>
> For now let's leave the email group open to
> discussions on
> planning future experiments, launch procedures, and
> publicity.
>
> I plan to shoot more CC/PS (flight computer) boards
> this weekend.
> For our meeting on the first Sunday in December, I'd
> like to work
> on parachutes. Who is ready to cut?
>
> If there's only a few people who will be making
> parachutes, then I'd
> like to get more capsules built. For this you need
> 3/4" styrofoam
> sheets. A 4' by 8' sheet from Home Depot will build
> a small fleet.
> If Bill can line us up with patches, I'd like to sew
> some onto the
> abrasion jackets of the capsules. I'd like to see
> us keep to a
> uniform design so that we can easily integrate

> everyone's capsules
> into a near space stack.
>
> After a couple of capsules are put together, I'd
> like to get everyone
> trained on the Basic Stamp.
>
> Two new terminology terms....
> A fast ascent rate can be referred to as a hot
> launch.
>
> Once the balloon reaches an altitude above 75,000
> feet, is it on
> station. NASA says a Shuttle is on station once it
> arrives in orbit.
>
> I'd like to design an aurora flight that could be
> launched on a one
> day's notice. That design should keep us busy for a
> while. If
> anyone feels like they're not busy, I can find
> something for you
> (don't I sound like a teacher?).
>
> Paul
>
>

Do You Yahoo!?
Yahoo! GeoCities - quick and easy web site hosting, just $8.95/month.
http://geocities.yahoo.com/ps/info1

1405. (no subject)

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-21 16:13:13 UTC
From: paulson58@juno.com
Topic: 1405 Message: 1405

> Once the balloon reaches an altitude above 75,000 feet, is it on
> station. NASA says a Shuttle is on station once it arrives in
orbit.

Hmmmm, Thats up to you. Maybe we should look for a similar but
slightly modified term. NASA's "On station" means they are at their
Target altitude.

> I'd like to design an aurora flight that could be launched on a one
> day's notice. That design should keep us busy for a while. If
> anyone feels like they're not busy, I can find something for you
> (don't I sound like a teacher?).
>
> Paul

Ummm, Mr. Teacher, can I go to the Bathroom?

What do you think about putting a few idea's into a different Flavor
of capsule. What I'm thinking of is based on your future plans. We
make a capsule who's purpose is to "Cause Orientation". This capsule
is designed to sit first under the Parachute. It has CDS photo cells
or whatever built into it for looking at the Sun. It's split or
somehow made to be motorized down through it's axis. Over simplified,
but a Lazy susan type design that is close loop motorized looking at
the photo cells as Error input sensors. We can add in and remove
magnetic orientation etc. Whatever powered maniacal ideas we can
conjure up. This would provide lateral flexibility in construction
weights on the stack, without effecting the other capsules in the
Stack. It would be the "Test bed" for motorized stabilization
platforms. I would be interested in working on such a capsule
provided it is deemed to have viability. Also provided some of you
great brains help me out.

Dan
KD7OST

1406. Re: Got it

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-21 16:14:30 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1406 Message: 1406

I'm picking up my rechargable batteries at HobbyTown. My only concern about ordering them surplus is that they won't be in stock next time we need them.

Paul

1407. Re: [tvnsp] (unknown)

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-21 16:17:09 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1405 Message: 1407

As far as a despun section, I was thinking of a despun adapter. We could connect standard capsules above and below it. The despun section would have a sun sensor. Using feedback or a microcontroller, the section would rotate a motor, thereby keeping the lower capsule in the same sun orientation.

Paul

1408. Re: (unknown)

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-21 18:27:38 UTC
From: paulson58@juno.com
Topic: 1405 Message: 1408

--- In tvnsp@y..., verhap@o... wrote:
> As far as a despun section, I was thinking of a despun adapter.
> We could connect standard capsules above and below it. The
> despun section would have a sun sensor. Using feedback or a
> microcontroller, the section would rotate a motor, thereby keeping
> the lower capsule in the same sun orientation.
>
> Paul

Got it.

Dan

1409. Re: [tvnsp] Website name

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-21 18:01:24 UTC
From: Rick Widmer
Topic: 1387 Message: 1409

If you decide to get your own domain name, I will offer you a place to host it. How much disk space do you expect it to take? Our usual $20.00 account includes 10MB and 10 email addresses. I am willing to donate it to you, and if you don't use too much more than the usual limits I won't complain.

Rick Widmer
Internet Marketing Specialists
http://www.developersdesk.com

> Mike Garske wrote:
>
> Paul and the group,
>
> I was checking out website names last night and I noticed
> tvnsp.org was not taken....., I would like to propose changing our
> web address to this.I am willing to get the name registered and donate
> the use of it the cause,but I don't want to step on Doug Rich's toes
> in doing this, so I figured I would ask what everyone thought
> beforehand. Just thought it would be neat to have our own domain name
> for the group!
>
> Mike KC7DPD
>
> Yahoo! Groups Sponsor
> [Image]
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
> Your use of Yahoo! Groups is subject to the Yahoo! Terms of Service.

1410. Re: [tvnsp] White Coats

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-21 19:54:43 UTC
From: Tim Rynearson
Topic: 1349 Message: 1410
Attachments: 1 described; binary payloads are missing from this source WARC

I'll bring one to our next meeting....

Tim

-------Original Message-------

From:verhap@...
Date: Wednesday, November 21, 2001 07:05:12 AM
To:tvnsp@yahoogroups.com
Subject: [tvnsp] White Coats

> Paul, I have some white 'chefs coats' around here that I picked up at a thrift store once....would these work ?

I'm not familair with them. do they look like the coats scientitsts wear in the lab? I've seen them on spacecraft engineers in NASA photos.

Paul

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1411. Re: [tvnsp] Tape Copying

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-21 18:09:08 UTC
From: Rick Widmer
Topic: 1349 Message: 1411

With the right splitter the limit is 'how many recorders can you
afford.' There is a place here in Twin Falls that can do 25 copies at a
time.

I'd like to get a copy of the video, and I think there might have been a
t-shirt on the night flight for me that I need to get too.

Rick

Bill Herrmann wrote:
>
> At 09:58 AM 11/20/01 -0700, you wrote:
> >The camcorder will feed video to my TV/VCR. The output of my TV/VCR will
> >feed video to Paul's TV/VCR. This makes two copies at once. This is how
> >I made some of the last copy's.
>
> Hmmm, it might be worth trying a splitter on the output of the "main" vcr.
> That way you don't have the second VCR amplifying for the third. (Might be
> better, might be worse.)
>
> >The video quality was good. It was recorded and played at standard speed.
>
> I'd definitely use the slowest (shortest play time) speed you can get away
> with. The quality is far better.
>
> >I don't know if I can chain more recorders together and maintain quality.
>
> I'm sure there is a limit, but I'm not sure what it is. It seems like I've
> heard of at least one video outfit here in town. I wonder what they would
> charge to do the copies. Another option might be one of the TV Stations if
> anybody has connections there....
>
> Bill
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

1412. Re: [tvnsp] Meeting and Other Topics

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-21 19:59:36 UTC
From: Tim Rynearson
Topic: 1402 Message: 1412
Attachments: 1 described; binary payloads are missing from this source WARC

Paul,
Texas Roadhouse would be a good place to eat, but not very good to meet. Someplace with a banquet room would be better, I'm thinking.

Tim...

Near the corner of Fairview and Eagle is the Texas Road House.
It's a bit noisy, but they have good eats. Would anyone be
interested in meeting there on Friday?

At this meeting we'll discuss club plans, insurance research, and
webpages.

1413. Next Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-21 21:47:35 UTC
From: Jeff Melanson
Topic: 729 Message: 1413

We'll meet this Friday at the Jade Garden on Nampa-Caldwell Blvd. The time will be 6:00 PM. Jade Garden is located closer to Nampa than Idaho Pizza is. It's also on the opposite side of the street.

Paul

1414. RE: [tvnsp] Next Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-22 02:53:23 UTC
From: K7JPS - John
Topic: 729 Message: 1414

Jade Garden is across the street from Karcher Mall on Nampa-Caldwell Blvd.
Between Zamzows' and the Co-op (PSC).

Paul were you able to reserve the back room for us?

John Stone
K7JPS
-----Original Message-----
From: Jeff Melanson [mailto:kd7inn@...]
Sent: Wednesday, November 21, 2001 14:48
To: tvnsp@yahoogroups.com
Subject: [tvnsp] Next Meeting

We'll meet this Friday at the Jade Garden on Nampa-Caldwell Blvd. The
time will be 6:00 PM. Jade Garden is located closer to Nampa than Idaho
Pizza is. It's also on the opposite side of the street.

Paul

1415. Re: [tvnsp] Next Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-22 03:38:11 UTC
From: Bill Herrmann
Topic: 729 Message: 1415

At 02:47 PM 11/21/01 -0700, you wrote:
>We'll meet this Friday at the Jade Garden on Nampa-Caldwell Blvd. The
>time will be 6:00 PM. Jade Garden is located closer to Nampa than Idaho
>Pizza is. It's also on the opposite side of the street.

Thanks for the info. I've passed it along.

Bill

1416. Patches & Tape Duplication

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-22 03:46:13 UTC
From: Bill Herrmann
Topic: 1416 Message: 1416

For patches my buddy recommended that we talk to Carpenters Screen Printing in Caldwell. (They also do embroidery.) I did not call them since I'm sure the price is dependant on design, number of colors etc.

Several years ago the same buddy mentioned a family video tape that had had problems and the place he had found to fix it. He was impressed with their work. As I recall they're a little hard to find.

Anyway...
Custom Recordings & Sound
344-3535

I called them to find out about duplication, editing and the like.

For duplication - cost is time based - 2 Hours would be approximately $5/tape including the tape. (He can give a better estimate after reviewing the material to be copied.)

Editing for a master (I was thinking of the training video here) would be $50-75/Hr depending on equipment used. Of course, they can duplicate after that. Another possibility here is that the local high school has a video program. I can see if there is any possibility of them editing for us or letting us use the equipment. Too bad our high schooler took that last year!

The video place currently makes over 36,000 copies/month. Yikes!

Bill

1417. Re: [tvnsp] Patches & Tape Duplication

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-22 04:26:10 UTC
From: Jeff Melanson
Topic: 1417 Message: 1417

Bill,

I'm already making copies. I don't mind and it's a lot cheaper cause I'm cheap. John Knapp is providing 10 tapes, Paul is providing 10 tapes, and I will provide 10 tapes. If more is needed I'll ask for more blanks. Dan is working on the chase tape. The idea is to edit video from that tape and flight tapes to show what we do. This might be a longer project to be done during the winter. We can talk about this on friday.

Paul will be here tomorrow for thanksgiving. I will see to it that he post's email on whether or not he was able to reserve the room at Jade Garden.

Jeff Melanson

Bill Herrmann wrote:
>
> For patches my buddy recommended that we talk to Carpenters Screen Printing
> in Caldwell. (They also do embroidery.) I did not call them since I'm sure
> the price is dependant on design, number of colors etc.
>
> Several years ago the same buddy mentioned a family video tape that had had
> problems and the place he had found to fix it. He was impressed with their
> work. As I recall they're a little hard to find.
>
> Anyway...
> Custom Recordings & Sound
> 344-3535
>
> I called them to find out about duplication, editing and the like.
>
> For duplication - cost is time based - 2 Hours would be approximately $5/tape
> including the tape. (He can give a better estimate after reviewing the
> material to be copied.)
>
> Editing for a master (I was thinking of the training video here) would be
> $50-75/Hr depending on equipment used. Of course, they can duplicate after
> that. Another possibility here is that the local high school has a video
> program. I can see if there is any possibility of them editing for us or
> letting us use the equipment. Too bad our high schooler took that last year!
>
> The video place currently makes over 36,000 copies/month. Yikes!
>
> Bill
>
>

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> tvnsp-unsubscribe@egroups.com
>
>
>
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1418. Re: [tvnsp] Patches & Tape Duplication

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-22 06:08:45 UTC
From: Bill Herrmann
Topic: 1417 Message: 1418

At 09:26 PM 11/21/01 -0700, you wrote:
>I'm already making copies. I don't mind and it's a lot cheaper cause I'm
>cheap. John Knapp is providing 10 tapes, Paul is providing 10 tapes, and
>I will provide 10 tapes. If more is needed I'll ask for more blanks.

Kinda figured that was the case, but wanted to document the info I'd
gathered while it was still fresh in my mind.

Side note: My wife says Walmart is also advertising the 12 tapes for $10 deal.

>Paul will be here tomorrow for thanksgiving. I will see to it that he
>post's email on whether or not he was able to reserve the room at Jade
>Garden.

Sounds good. (and it's a plus because then I get to see it!)

Bill

1419. Next Meeting from Paul

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-23 00:49:28 UTC
From: Jeff Melanson
Topic: 1419 Message: 1419

We're probably set for the Jade Garden for Friday at 6:00 PM. There's already a banquet reserved for 6:30, but they think they can fit us in.

There are several items on the agenda, so be hungry.

Paul

1420. Tonights Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-23 19:21:42 UTC
From: Jeff Melanson
Topic: 1420 Message: 1420

Don't forget tonight's meeting.

Jade Garden on the Nampa-Caldwell Blvd.
6:30 pm.

Can someone post directions again?

This meeting is important and we need everyone's participation. Please come. Everyone's 2 cents counts.

Also I will be showing the video of the flight and taking a count of how many copy's are needed. It's a great video. Near space from 94,142 ft! Passing through two layers of clouds looks pretty cool. We need to make photographs of this!

Jeff
KD7INN

1421. Re: [tvnsp] Tonights Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-23 21:46:48 UTC
From: Bill Herrmann
Topic: 1420 Message: 1421

At 12:21 PM 11/23/01 -0700, you wrote:
>Don't forget tonight's meeting.
>6:30 pm.

Ok, which time is it? I've seen both 6:00 and 6:30. (I've seen more 6:00 so I'll assume that unless somebody says different.)

Bill

1422. Re: [tvnsp] Tonights Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-23 22:00:34 UTC
From: Stephanie Steele
Topic: 1420 Message: 1422

Hi Jeff,

It is very unlikely that I can make it as we have company but I will try. I would like a copy of the video also. I vote that we get insurance somehow, either through affiliation with VOI or by creating a non-profit organization. I also vote for dues to support the expense of the insurance and vote for no printed newsletter. Newletters are nothing but a headache and no one will stick with it. Our email keeps everyone posted well. Hope I can get there to voice some more of my opinions. Oh, by the way, did I tell you that opinions are like.....

;-)

Stephanie

Jeff Melanson wrote:

> Don't forget tonight's meeting.
>
> Jade Garden on the Nampa-Caldwell Blvd.
> 6:30 pm.
>
> Can someone post directions again?
>
> This meeting is important and we need everyone's participation. Please
> come. Everyone's 2 cents counts.
>
> Also I will be showing the video of the flight and taking a count of how
> many copy's are needed. It's a great video. Near space from 94,142 ft!
> Passing through two layers of clouds looks pretty cool. We need to make
> photographs of this!
>
> Jeff
> KD7INN
>
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>
>
>
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--
Stephanie

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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highly recommend it as a safe and reliable means to conduct business. By
using the link below we both will receive a $5 sign up bonus.

https://www.paypal.com/refer/pal=kc7dba%40arrl.net

1423. Re: [tvnsp] Tonights Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-23 22:52:15 UTC
From: Mike Garske
Topic: 1420 Message: 1423

I can't make tonight, its back to work for me. Can anyone bring up the issue of our own website? So far it sounds to me like we can get it hosted for free if it doesn't exceed 10MB, and I am willing to be the webmaster for the group.......by the way, I took it upon myself to register the domain name www.tvnsp.org, but if we decide against it, no biggie. Hope to see you all at the next construction meeting! We are working on Parachutes, right?

Mike KC7DPD

----- Original Message -----
From: "Jeff Melanson" <kd7inn@...>
To: <tvnsp@yahoogroups.com>
Sent: Friday, November 23, 2001 12:21 PM
Subject: [tvnsp] Tonights Meeting

> Don't forget tonight's meeting.
>
> Jade Garden on the Nampa-Caldwell Blvd.
> 6:30 pm.
>
> Can someone post directions again?
>
> This meeting is important and we need everyone's participation. Please
> come. Everyone's 2 cents counts.
>
> Also I will be showing the video of the flight and taking a count of how
> many copy's are needed. It's a great video. Near space from 94,142 ft!
> Passing through two layers of clouds looks pretty cool. We need to make
> photographs of this!
>
> Jeff
> KD7INN
>
> To unsubscribe from this group, send an email to:
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>
>
>
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>
>
>

1424. Re: [tvnsp] Tonights Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-23 23:48:40 UTC
From: Doug Rich
Topic: 1420 Message: 1424

I just added the files sizes on the web page we now have and it is 9.3
MB. I will guess you will be way over the 10 MB limit.

Doug

At 03:52 PM 11/23/01 -0700, you wrote:
> I can't make tonight, its back to work for me. Can anyone bring up the
>issue of our own website? So far it sounds to me like we can get it hosted
>for free if it doesn't exceed 10MB, and I am willing to be the webmaster for
>the group.......by the way, I took it upon myself to register the domain
>name www.tvnsp.org, but if we decide against it, no biggie. Hope to see you
>all at the next construction meeting! We are working on Parachutes, right?
>
>Mike KC7DPD
>
>
>----- Original Message -----
>From: "Jeff Melanson" <kd7inn@...>
>To: <tvnsp@yahoogroups.com>
>Sent: Friday, November 23, 2001 12:21 PM
>Subject: [tvnsp] Tonights Meeting
>
>
> > Don't forget tonight's meeting.
> >
> > Jade Garden on the Nampa-Caldwell Blvd.
> > 6:30 pm.
> >
> > Can someone post directions again?
> >
> > This meeting is important and we need everyone's participation. Please
> > come. Everyone's 2 cents counts.
> >
> > Also I will be showing the video of the flight and taking a count of how
> > many copy's are needed. It's a great video. Near space from 94,142 ft!
> > Passing through two layers of clouds looks pretty cool. We need to make
> > photographs of this!
> >
> > Jeff
> > KD7INN
> >
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> >

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>
>
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1425. Re: [tvnsp] Tonights Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-24 00:02:16 UTC
From: Jeff Melanson
Topic: 1420 Message: 1425

It was changed to 6:30 because of reservation availiblity at Jade
Garden.

Jeff

Bill Herrmann wrote:
>
> At 12:21 PM 11/23/01 -0700, you wrote:
> >Don't forget tonight's meeting.
> >6:30 pm.
>
> Ok, which time is it? I've seen both 6:00 and 6:30. (I've seen more 6:00 so
> I'll assume that unless somebody says different.)
>
> Bill

1426. Re: [tvnsp] Tonights Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-24 00:03:37 UTC
From: Jeff Melanson
Topic: 1420 Message: 1426

Stephanie and Mike,

I printed you're emails and will make sure you are heard at the meeting.

Jeff
KD7INN

Stephanie Steele wrote:
>
> Hi Jeff,
>
> It is very unlikely that I can make it as we have company but I will try. I
> would like a copy of the video also. I vote that we get insurance somehow,
> either through affiliation with VOI or by creating a non-profit organization.
> I also vote for dues to support the expense of the insurance and vote for no
> printed newsletter. Newletters are nothing but a headache and no one will
> stick with it. Our email keeps everyone posted well. Hope I can get there to
> voice some more of my opinions. Oh, by the way, did I tell you that opinions
> are like.................
>
> ;-)
>
> Stephanie
>
> Jeff Melanson wrote:
>
> > Don't forget tonight's meeting.
> >
> > Jade Garden on the Nampa-Caldwell Blvd.
> > 6:30 pm.
> >
> > Can someone post directions again?
> >
> > This meeting is important and we need everyone's participation. Please
> > come. Everyone's 2 cents counts.
> >
> > Also I will be showing the video of the flight and taking a count of how
> > many copy's are needed. It's a great video. Near space from 94,142 ft!
> > Passing through two layers of clouds looks pretty cool. We need to make
> > photographs of this!
> >
> > Jeff
> > KD7INN
> >
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> >
> >
> >
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>
> --
> Stephanie
>
> ******************************
>
> "They that can give up essential liberty to obtain a little temporary
> safety deserve neither liberty nor safety."
>
> Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.
>
> "Those who desire to give up freedom in order to gain security will not
> have, nor do they deserve, either one."
>
> President Thomas Jefferson.
> 1743-1826
>
> ******************************
>
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> https://www.paypal.com/refer/pal=kc7dba%40arrl.net
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1427. Re: [tvnsp] Tonights Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-24 00:10:36 UTC
From: Bill Herrmann
Topic: 1420 Message: 1427

At 05:02 PM 11/23/01 -0700, you wrote:
>It was changed to 6:30 because of reservation availiblity at Jade
>Garden.

Got it!

Bill

1428. Re: [tvnsp] Tape Copying

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-24 08:03:23 UTC
From: Jeff Melanson
Topic: 1349 Message: 1428

Rick

I'll make you a copy. Paul is aware of the t-shirt.

Jeff

Rick Widmer wrote:
>
> With the right splitter the limit is 'how many recorders can you
> afford.' There is a place here in Twin Falls that can do 25 copies at a
> time.
>
> I'd like to get a copy of the video, and I think there might have been a
> t-shirt on the night flight for me that I need to get too.
>
> Rick
>
> Bill Herrmann wrote:
> >
> > At 09:58 AM 11/20/01 -0700, you wrote:
> > >The camcorder will feed video to my TV/VCR. The output of my TV/VCR will
> > >feed video to Paul's TV/VCR. This makes two copies at once. This is how
> > >I made some of the last copy's.
> >
> > Hmmm, it might be worth trying a splitter on the output of the "main" vcr.
> > That way you don't have the second VCR amplifying for the third. (Might be
> > better, might be worse.)
> >
> > >The video quality was good. It was recorded and played at standard speed.
> >
> > I'd definitely use the slowest (shortest play time) speed you can get away
> > with. The quality is far better.
> >
> > >I don't know if I can chain more recorders together and maintain quality.
> >
> > I'm sure there is a limit, but I'm not sure what it is. It seems like I've
> > heard of at least one video outfit here in town. I wonder what they would
> > charge to do the copies. Another option might be one of the TV Stations if
> > anybody has connections there....
> >
> > Bill
> >
> >
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> >
> >
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1429. Re: [tvnsp] Website name

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-24 08:15:04 UTC
From: Jeff Melanson
Topic: 1387 Message: 1429

Mike,

It looks like we may be joining VOI for insurance reasons. Paul needs to get a couple of insurance questions answered first but it looks good. Doug addressed our concerns with being part of a radio amateur radio club. More details later. If we join VOI they have unlimited webspace available through the service there using. We can use tvnsp.org and point it to the balloon section of the VOI server. Our current website is already at 9.3 MB.

Jeff
KD7INN

> Mike Garske wrote:
>
> Paul and the group,
>
> I was checking out website names last night and I noticed
> tvnsp.org was not taken....., I would like to propose changing our
> web address to this.I am willing to get the name registered and donate
> the use of it the cause,but I don't want to step on Doug Rich's toes
> in doing this, so I figured I would ask what everyone thought
> beforehand. Just thought it would be neat to have our own domain name
> for the group!
>
> Mike KC7DPD
>
> Yahoo! Groups Sponsor
> [Image]
>
>
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1430. Re: [tvnsp] Tonights Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-24 08:19:14 UTC
From: Jeff Melanson
Topic: 1420 Message: 1430

Stephanie,

You are on the list for a copy of the video. If we join VOI (looks good
so far) then only the dues normally collected by VOI are required.
$20.00

Jeff

Stephanie Steele wrote:
>
> Hi Jeff,
>
> It is very unlikely that I can make it as we have company but I will try. I
> would like a copy of the video also. I vote that we get insurance somehow,
> either through affiliation with VOI or by creating a non-profit organization.
> I also vote for dues to support the expense of the insurance and vote for no
> printed newsletter. Newletters are nothing but a headache and no one will
> stick with it. Our email keeps everyone posted well. Hope I can get there to
> voice some more of my opinions. Oh, by the way, did I tell you that opinions
> are like.................
>
> ;-)
>
> Stephanie
>
> Jeff Melanson wrote:
>
> > Don't forget tonight's meeting.
> >
> > Jade Garden on the Nampa-Caldwell Blvd.
> > 6:30 pm.
> >
> > Can someone post directions again?
> >
> > This meeting is important and we need everyone's participation. Please
> > come. Everyone's 2 cents counts.
> >
> > Also I will be showing the video of the flight and taking a count of how
> > many copy's are needed. It's a great video. Near space from 94,142 ft!
> > Passing through two layers of clouds looks pretty cool. We need to make
> > photographs of this!
> >
> > Jeff
> > KD7INN
> >
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> >
> >
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>
> --
> Stephanie
>
> ******************************
>
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> safety deserve neither liberty nor safety."
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> Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.
>
> "Those who desire to give up freedom in order to gain security will not
> have, nor do they deserve, either one."
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> President Thomas Jefferson.
> 1743-1826
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> ******************************
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1431. Re: [tvnsp] Tonights Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-24 08:32:55 UTC
From: Jeff Melanson
Topic: 1420 Message: 1431

Let me try that again. It's late.
The dues collected by VOI is all that would be needed. No additional
dues would be necessary.

Jeff Melanson wrote:
>
> Stephanie,
>
> You are on the list for a copy of the video. If we join VOI (looks good
> so far) then only the dues normally collected by VOI are required.
> $20.00
>
> Jeff
>
> Stephanie Steele wrote:
> >
> > Hi Jeff,
> >
> > It is very unlikely that I can make it as we have company but I will try. I
> > would like a copy of the video also. I vote that we get insurance somehow,
> > either through affiliation with VOI or by creating a non-profit organization.
> > I also vote for dues to support the expense of the insurance and vote for no
> > printed newsletter. Newletters are nothing but a headache and no one will
> > stick with it. Our email keeps everyone posted well. Hope I can get there to
> > voice some more of my opinions. Oh, by the way, did I tell you that opinions
> > are like.................
> >
> > ;-)
> >
> > Stephanie
> >
> > Jeff Melanson wrote:
> >
> > > Don't forget tonight's meeting.
> > >
> > > Jade Garden on the Nampa-Caldwell Blvd.
> > > 6:30 pm.
> > >
> > > Can someone post directions again?
> > >
> > > This meeting is important and we need everyone's participation. Please
> > > come. Everyone's 2 cents counts.
> > >
> > > Also I will be showing the video of the flight and taking a count of how
> > > many copy's are needed. It's a great video. Near space from 94,142 ft!

> > > Passing through two layers of clouds looks pretty cool. We need to make
> > > photographs of this!
> > >
> > > Jeff
> > > KD7INN
> > >
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> > >
> > >
> > >
> > > Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
> >
> > --
> > Stephanie
> >
> > ********************************
> >
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1432. Re: [tvnsp] Tonights Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-24 08:34:23 UTC
From: Stephanie Steele
Topic: 1420 Message: 1432

Hi Jeff,

No problem, I knew what you meant. I am a VOI Life Member so I'm already covered. Anything else interesting come out at the meeting?

Stephanie

Jeff Melanson wrote:

> Let me try that again. It's late.
> The dues collected by VOI is all that would be needed. No additional
> dues would be necessary.
>
> Jeff Melanson wrote:
> >
> > Stephanie,
> >
> > You are on the list for a copy of the video. If we join VOI (looks good
> > so far) then only the dues normally collected by VOI are required.
> > $20.00
> >
> > Jeff
> >
> > Stephanie Steele wrote:
> > >
> > > Hi Jeff,
> > >
> > > It is very unlikely that I can make it as we have company but I will try. I
> > > would like a copy of the video also. I vote that we get insurance somehow,
> > > either through affiliation with VOI or by creating a non-profit organization.
> > > I also vote for dues to support the expense of the insurance and vote for no
> > > printed newsletter. Newletters are nothing but a headache and no one will
> > > stick with it. Our email keeps everyone posted well. Hope I can get there to
> > > voice some more of my opinions. Oh, by the way, did I tell you that opinions
> > > are like.................
> > >
> > > ;-)
> > >
> > > Stephanie
> > >
> > > Jeff Melanson wrote:
> > >
> > > > Don't forget tonight's meeting.
> > > >
> > > > Jade Garden on the Nampa-Caldwell Blvd.
> > > > 6:30 pm.

> > > >
> > > > Can someone post directions again?
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> > > > come. Everyone's 2 cents counts.
> > > >
> > > > Also I will be showing the video of the flight and taking a count of how
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> > > > Passing through two layers of clouds looks pretty cool. We need to make
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> > > >
> > > > Jeff
> > > > KD7INN
> > > >
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> > > >
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> > > --
> > > Stephanie
> > >
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>
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>
>
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--
Stephanie

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

Send and receive money safely over the Internet by using PayPal. I use it and highly
recommend it as a safe and reliable means to conduct business. By using the link
below we both will receive a $5 sign up bonus.

https://www.paypal.com/refer/pal=kc7dba%40arrl.net

1433. List of names for Videos

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-24 08:38:20 UTC
From: Jeff Melanson
Topic: 1433 Message: 1433

Hi all,

This is a list of names of all those who have asked for a copy of flight TV01H. In addition to the video there will be a time index sheet that tells you what time particular notable events occured. This makes it easy to find stuff. If your name or someone elses name has been missed please let me know.

Paul Verhage
Todd Morgan
Mark Conner
Ralph Wallio
Hank Riley
Lee Kelly
Rick Widmer
Dan Paulson
John Knapp
John Knapps Boss
John Stone
Justin Formolo
Bill Blohm
Bill Herrmann
Tim Rynearson
Mike Garske
Stephanie Steele
Randy Farley
Jeff Melanson
Discovery Science Center
Hobbytown
Manager of Jade Garden Restaruant - Danny Yip
(Where we ate tonight - he was very interested and supportive. He suggested we reserve the banquet room in the future which has a tape machine. We gave him a copy of the video. Thanks Danny)

1434. Re: [tvnsp] Tonights Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-24 09:04:08 UTC
From: Jeff Melanson
Topic: 1420 Message: 1434

Yes. Plenty. Besides Doug talking to us about the benefits of joining VOI. He cleared up a lot of questions.
We also decided to do a few other things.
- Make a mission statement that describes what we are about.
- Write guidelines for mishaps. For example we'll have one person representing the group to handle exchanging information etc.
- Write guidelines for capsule construction that promote safety.
- Prediction guidelines. The purpose here is to set up guidelines that make landing sites as safe as practical. For example we wont launch from a place that has a high probability to bring the capsule down in a city, in a lake, into concentrations of power lines, into restricted areas, etc.
- Construction classes will include lessons on writting software for the basic stamp and homework will be assigned. For those that don't have equipment they can write the software and test it on mine or Pauls equipment. We have laptops, the basic stamp, and the board of education. The next class will be parachute construction. I believe you said you bought some material.
- Prediction training. With homework.
- Projects...
- Aurora capsule. To be launched on short notice when the northern lights are present.
- Spark Gap experiment.
- Speed of sound experiment.
- NSRV Near Space Return Vehicle. (First vehicle will be a paraglider with the ability to steer to a landing site. Not necessarily the launch site.
- Data analysis project. To find an easier way to pull data from the APRS logs than Paul hunting through them.
- and more....

Jeff
KD7INN

Stephanie Steele wrote:
>
> Hi Jeff,
>
> No problem, I knew what you meant. I am a VOI Life Member so I'm already covered.
> Anything else interesting come out at the meeting?
>
> Stephanie
>
> Jeff Melanson wrote:
>

> > Let me try that again. It's late.
> > The dues collected by VOI is all that would be needed. No additional
> > dues would be necessary.
> >
> > Jeff Melanson wrote:
> > >
> > > Stephanie,
> > >
> > > You are on the list for a copy of the video. If we join VOI (looks good
> > > so far) then only the dues normally collected by VOI are required.
> > > $20.00
> > >
> > > Jeff
> > >
> > > Stephanie Steele wrote:
> > > >
> > > > Hi Jeff,
> > > >
> > > > It is very unlikely that I can make it as we have company but I will try. I
> > > > would like a copy of the video also. I vote that we get insurance somehow,
> > > > either through affiliation with VOI or by creating a non-profit organization.
> > > > I also vote for dues to support the expense of the insurance and vote for no
> > > > printed newsletter. Newletters are nothing but a headache and no one will
> > > > stick with it. Our email keeps everyone posted well. Hope I can get there to
> > > > voice some more of my opinions. Oh, by the way, did I tell you that opinions
> > > > are like.................
> > > >
> > > > ;-)
> > > >
> > > > Stephanie
> > > >
> > > > Jeff Melanson wrote:
> > > >
> > > > > Don't forget tonight's meeting.
> > > > >
> > > > > Jade Garden on the Nampa-Caldwell Blvd.
> > > > > 6:30 pm.
> > > > >
> > > > > Can someone post directions again?
> > > > >
> > > > > This meeting is important and we need everyone's participation. Please
> > > > > come. Everyone's 2 cents counts.
> > > > >
> > > > > Also I will be showing the video of the flight and taking a count of how
> > > > > many copy's are needed. It's a great video. Near space from 94,142 ft!
> > > > > Passing through two layers of clouds looks pretty cool. We need to make
> > > > > photographs of this!
> > > > >
> > > > > Jeff
> > > > > KD7INN

> > > > >
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> > > > >
> > > > >
> > > > >
> > > > > Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
> > > > >
> > > > > --
> > > > > Stephanie
> > > > >
> > > > > ******************************
> > > > >
> > > > > "They that can give up essential liberty to obtain a little temporary
> > > > > safety deserve neither liberty nor safety."
> > > > >
> > > > > Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.
> > > > >
> > > > > "Those who desire to give up freedom in order to gain security will not
> > > > > have, nor do they deserve, either one."
> > > > >
> > > > > President Thomas Jefferson.
> > > > > 1743-1826
> > > > >
> > > > > ******************************
> > > > >
> > > > > Send and receive money safely over the Internet by using PayPal. I use it and
> > > > > highly recommend it as a safe and reliable means to conduct business. By
> > > > > using the link below we both will receive a $5 sign up bonus.
> > > > >
> > > > > https://www.paypal.com/refer/pal=kc7dba%40arrl.net
> > > > >
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>
> --
> Stephanie
>
> ******************************
>
> "They that can give up essential liberty to obtain a little temporary
> safety deserve neither liberty nor safety."
>
> Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.
>
> "Those who desire to give up freedom in order to gain security will not
> have, nor do they deserve, either one."
>
> President Thomas Jefferson.
> 1743-1826
>
> ******************************
>
> Send and receive money safely over the Internet by using PayPal. I use it and highly
> recommend it as a safe and reliable means to conduct business. By using the link
> below we both will receive a $5 sign up bonus.
>
> https://www.paypal.com/refer/pal=kc7dba%40arrl.net
>
>
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1435. Data Analysis Project

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-24 14:29:48 UTC
From: Mike Garske
Topic: 1435 Message: 1435

In response to:

- Data analysis project. To find an easier way to pull data from the
APRS logs than Paul hunting through them.
>
>
I have been working on an Excel spreadsheet with a co worker of mine to sort the data logs of our missions....I have a working spreadsheet now that I would like to test. Can I get a copy of the flight logs everyone has so I can test for bugs?

Mike KC7DPD

1436. Re: [tvnsp] List of names for Videos

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-24 19:58:55 UTC
From: Bill All, N3KKM
Topic: 1433 Message: 1436

I also would like to have a copy of the video. Could someone email me
off-list with a cost of the tape (or donation) and where to mail it.
Bill All - N3KKM
Near Space Balloon Group
http://www.kcnet.com/~n3kkm/nearspace.html

At 02:38 AM 11/24/2001, you wrote:
>Hi all,
>
>This is a list of names of all those who have asked for a copy of flight
>TV01H. In addition to the video there will be a time index sheet that
>tells you what time particular notable events occured. This makes it
>easy to find stuff. If your name or someone elses name has been missed
>please let me know.

1437. Re: [tvnsp] List of names for Videos

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-24 21:26:40 UTC
From: Jeff Melanson
Topic: 1433 Message: 1437

Bill,

We'll send you a copy. Don't worry about the cost. I already have to
many video tapes donated. Send your mailing address to me.

Jeff
KD7INN

"Bill All, N3KKM" wrote:
>
> I also would like to have a copy of the video. Could someone email me
> off-list with a cost of the tape (or donation) and where to mail it.
> Bill All - N3KKM
> Near Space Balloon Group
> http://www.kcnet.com/~n3kkm/nearspace.html
>
> At 02:38 AM 11/24/2001, you wrote:
> >Hi all,
> >
> >This is a list of names of all those who have asked for a copy of flight
> >TV01H. In addition to the video there will be a time index sheet that
> >tells you what time particular notable events occured. This makes it
> >easy to find stuff. If your name or someone elses name has been missed
> >please let me know.
>
>
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>
>
>
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1438. Re: [tvnsp] Data Analysis Project

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-24 21:48:47 UTC
From: Randy Farley
Topic: 1435 Message: 1438

Mike
I will send you mine off list. I was wondering how Paul waded through
and sorted all that jumbled data. I was sure it was not select and
delete by hand.

> Mike Garske wrote:
>
> In response to:
>
> - Data analysis project. To find an easier way to pull data from the
> APRS logs than Paul hunting through them.
> >
> >
> I have been working on an Excel spreadsheet with a co worker of mine
> to sort the data logs of our missions....I have a working spreadsheet
> now that I would like to test. Can I get a copy of the flight logs
> everyone has so I can test for bugs?
>
> Mike KC7DPD
>
> Yahoo! Groups Sponsor
> ADVERTISEMENT
>
>
>
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--
Regards,
Randy Farley
N7GPS -Ham Call-
My Home at: http://map.findu.com/n7gps
Find my pickup at: http://map.findu.com/n7gps-9
Also see daily weather radar reports for my location at:
(scroll to bottom of page)
http://www.findu.com/cgi-bin/find.cgi?call=n7gps&radar=CBX

1439. Jeff is on Capsule Video

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-24 23:39:07 UTC
From: paulson58@juno.com
Topic: 1439 Message: 1439

Jeff-

I was showing the video at home. Had to fast forward to the Highlights. Near landing, time 11:27:22 to 11:27:24 your truck shows up in the lower right hand corner. It's only for two seconds, but I frame by framed it through. It's right where you pulled off the right hand side to let me out on the sidewalk so I could film the capsules under canopy. The camera swung through before Mike got out. I'm not sure if that would show up anyway. No doubt it's your truck letting me out though.

Dan

1440. R-value

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-25 05:27:50 UTC
From: Jeff Melanson
Topic: 1440 Message: 1440

Hi,

Here is some information on insulation that may help with capsule construction.

http://www.greenstone.com/consumer/consum02.htm

Jeff
KD7INN

1441. R-Value

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-25 06:20:44 UTC
From: Jeff Melanson
Topic: 1441 Message: 1441

Hi all,

I finally found an explanation of insulation and R-value in laymens terms.

Temperature is a force. It is the wind. It is a wind which passes through solid objects at different rates or speeds, depending on the physical properties of the material it is passing thru. You can measure this rate by walking barefoot from carpeting to hardwood to tile flooring. The temperatures will all be the same, but will seem very different. The tile has the highest rate and will seem the coldest, while the carpeting has the lowest rate and will seem the warmest. The "wind" speed is also determined by difference in temperature. The greater the difference, the higher the speed. A temperature difference of 40 degrees is twice as fast as a temperature difference of 20 degrees.
Insulation is resistance. It resists the pressure of the temperature's wind. It slows the wind down. R-value is the measurement of a material's ability to slow the temperature's wind. The higher the r-value, the slower the wind speed thru that substance. It takes the wind twice as long to penetrate a R20 as an R10.

http://www.warmair.com/html/insulation.htm

Does that last statement also mean that it takes twice as long for the "wind" to penetrate R2 as compared to R1 or R6 as compared to R3?

Jeff
KD7INN

1442. Ascent and descent rates

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-25 09:02:36 UTC
From: Jeff Melanson
Topic: 1442 Message: 1442

Hi all,

Just for info:

Ascent rate at lift off was 1150 ft/min.

Descent rate right after burst was 6992 ft/min or 70.8 MPH!

It slowed to 2713 ft/min at about 58,000 ft. or 31 MPH.

The landing speed was about 640 ft/min or 7.3 MPH.

Jeff
KD7INN

1443. A start the to glider program... etc

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-25 17:29:14 UTC
From: Doug Rich
Topic: 1443 Message: 1443

New! Logging Data with an Etrex GPS unit and BASIC Stamp 2p24 Log 65 bytes of data in the BS2p24's 16KB EEPROM using a radio-controlled fuel-powered airplane.

Check it out - URL
http://www.parallaxinc.com/downloads/Resources/Aero%20GPS%20Brief.PDF

Doug Rich
doug@...
www.safelink.net

1444. Re: Ascent and descent rates

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-25 17:40:13 UTC
From: n1ltv@yahoo.com
Topic: 1442 Message: 1444

6992 ft/min is actually an even more impressive
79.5 mph.

Thanks, Jeff, for this summary of balloon vertical
velocities. This is just what I need to check
LIFTWIN predictions vs. actual balloon behavior.

Later I'll post the difference in drag force on
the parachute at peak altitude compared to near
the ground. I don't need to know chute diameter
for that as far as giving a ratio, but if someone
would chime in with the diameter, can give the
estimated drag in pounds.

Hank

Jeff wrote:

> Ascent rate at lift off was 1150 ft/min.
>
> Descent rate right after burst was 6992
> ft/min or 70.8 MPH!
>
> It slowed to 2713 ft/min at about 58,000 ft.
> or 31 MPH.
>
> The landing speed was about 640 ft/min or
> 7.3 MPH.

1445. Re: [tvnsp] Re: Ascent and descent rates

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-25 17:56:34 UTC
From: Jeff Melanson
Topic: 1442 Message: 1445

Hank,

Oops, My typo was the ft/min. It was actually 6229 not 6992.

Jeff

n1ltv@... wrote:
>
> 6992 ft/min is actually an even more impressive
> 79.5 mph.
>
> Thanks, Jeff, for this summary of balloon vertical
> velocities. This is just what I need to check
> LIFTWIN predictions vs. actual balloon behavior.
>
> Later I'll post the difference in drag force on
> the parachute at peak altitude compared to near
> the ground. I don't need to know chute diameter
> for that as far as giving a ratio, but if someone
> would chime in with the diameter, can give the
> estimated drag in pounds.
>
> Hank
> ---------------------------
>
> Jeff wrote:
>
> > Ascent rate at lift off was 1150 ft/min.
> >
> > Descent rate right after burst was 6992
> > ft/min or 70.8 MPH!
> >
> > It slowed to 2713 ft/min at about 58,000 ft.
> > or 31 MPH.
> >
> > The landing speed was about 640 ft/min or
> > 7.3 MPH.
>
>
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1446. Re: Ascent and descent rates

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-25 18:32:49 UTC
From: paulson58@juno.com
Topic: 1442 Message: 1446

Hank-

FYI. Also, the on board video from Jeffs capsule shows the Descent as being somewhat sideways. As you watch, you will see the haul line with a very large piece of remaining balloon attached. This mass of rubber falls faster than the capsules and chute. It has less resistance and therefore less drag. It appears that the Balloon remains, tied to the Chute apex causes the chute to spill on the opposite side of the line draped over the chute. This haul line was cut away at 22,700 feet. I suspect the descent rate was different than would be expected had the Balloon remains been smaller, or if the cutaway device functioned at a different time in the flight. The camera view shows a descent that looks to be close to a 45 degree angle for 71,442 feet. I would be curious to see if the Data showed different descent rates the 5,000 or so feet just prior to the cutaway, as compared to the 5,000 right after. In summary, I think if the ballon remains were not so effective in spilling the chute, I suspect the Near space mission would have drifted farther down range. This may throw off your predictions.

Dan / KD7OST

--- In tvnsp@y..., n1ltv@y... wrote:
> 6992 ft/min is actually an even more impressive
> 79.5 mph.
>
> Thanks, Jeff, for this summary of balloon vertical
> velocities. This is just what I need to check
> LIFTWIN predictions vs. actual balloon behavior.
>
> Later I'll post the difference in drag force on
> the parachute at peak altitude compared to near
> the ground. I don't need to know chute diameter
> for that as far as giving a ratio, but if someone
> would chime in with the diameter, can give the
> estimated drag in pounds.
>
> Hank
> ---------------------------
>
> Jeff wrote:
>
> > Ascent rate at lift off was 1150 ft/min.
> >
> > Descent rate right after burst was 6992
> > ft/min or 70.8 MPH!

> >
> > It slowed to 2713 ft/min at about 58,000 ft.
> > or 31 MPH.
> >
> > The landing speed was about 640 ft/min or
> > 7.3 MPH.

1447. Re: Ascent and descent rates

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-26 17:47:54 UTC
From: n1ltv@yahoo.com
Topic: 1442 Message: 1447

Jeff and Dan,

Thanks for providing detail about special events
on this flight that likely significantly affected
the descent phase.

Still looking for the chute diameter if anyone
knows the approximate figure.

I faded Sunday evening so no drag figures yet.

Hank

1448. Big meeting results

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-26 17:52:08 UTC
From: n1ltv@yahoo.com
Topic: 1448 Message: 1448

Could someone post a summary or partial summary
of the outcomes from Friday's meeting?

If some issues were not decided, tabled for
further study, or otherwise, just report that.

Inquiring minds would like to know. :)

Hank

1449. Re: [tvnsp] Re: Ascent and descent rates

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-26 18:35:42 UTC
From: Jeff Melanson
Topic: 1442 Message: 1449

Hank,

Parachute diameter is about 7 ft.

Jeff

n1ltv@... wrote:
>
> Jeff and Dan,
>
> Thanks for providing detail about special events
> on this flight that likely significantly affected
> the descent phase.
>
> Still looking for the chute diameter if anyone
> knows the approximate figure.
>
> I faded Sunday evening so no drag figures yet.
>
> Hank
>
>
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>
>
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1450. Big Meeting Results

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-26 19:31:10 UTC
From: Jeff Melanson
Topic: 1450 Message: 1450

Hank,

Doug Rich talked to us about the benefits of joining VOI. For example the cost of joining is only $20 per year and the insurance policy would then cover us because we would be performing a club sponsored event. Paul still has a couple of insurance questions that Doug will look up. Another concern was that if people in the VOI radio club were against ballooning it might interfere with our missions. Doug explained to us that club members can only elect board members not vote against ballooning. The board members vote and they are all for SIG's (Special Interest Groups). If there are a couple of people against ballooning it won't matter. As a SIG we still choose our missions and organize ourselves as needed to accomplish the mission. There are other special interest groups in VOI. One of them is packet radio. Another concern is that people without an amateur radio license would be left out. The VOI allows non licensed people to join as an associate member for the same price. That means anyone can participate and insurance coverage's would still apply. As soon as Paul gets his insurance questions answered I'm sure we'll end up joining.
We also decided to do a few other things.
- Make a mission statement that describes what we are about.
- Write guidelines for mishaps. For example we'll have one person representing the group to handle exchanging information etc.
- Write guidelines for capsule construction that promote safety.
- Prediction guidelines. The purpose here is to set up guidelines that make landing sites as safe as practical. For example we won't launch from a place that has a high probability to bring the capsule down in a city, in a lake, into concentrations of power lines, into restricted areas, etc. This is something we try to do anyway but we will set guidelines for choosing the launch site. For example we will draw an oval on the map indicating the probable landing location with a built in error based on previous flights. If that area has hazards in it then we will adjust the launch site.

We also discussed future projects...
- Aurora capsule. To be launched on short notice when the northern lights are present.
- Spark Gap experiment.
- Speed of sound experiment.
- NSRV Near Space Return Vehicle. (First vehicle will be a paraglider with the ability to steer to a designated landing site. Not necessarily the launch site.
- Data analysis project. To find an easier way to pull data from the APRS logs rather than Paul hunting through them piece by piece. Mike Garske is working on this one.

- and more....

Jeff
KD7INN

1451. FW: [tvnsp] Big Meeting Results

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-26 19:49:13 UTC
From: Frank Black
Topic: 1451 Message: 1451

Well if this balloon group uses VOI insurance. I know I will not be part of either because of contingent liabilities and may make all members of VOI liable for things not covered by insurance. As when this came up last year the VOI membership dropped considerably for this reason, as many have voiced this to me even ones who were in the legal feild. AC7BF

-----Original Message-----
From: Jeff Melanson [mailto:kd7inn@...]
Sent: Monday, November 26, 2001 12:31 PM
To: tvnsp@yahoogroups.com
Subject: [tvnsp] Big Meeting Results

Hank,

Doug Rich talked to us about the benefits of joining VOI. For example the cost of joining is only $20 per year and the insurance policy would then cover us because we would be performing a club sponsored event. Paul still has a couple of insurance questions that Doug will look up. Another concern was that if people in the VOI radio club were against ballooning it might interfere with our missions. Doug explained to us that club members can only elect board members not vote against ballooning. The board members vote and they are all for SIG's (Special Interest Groups). If there are a couple of people against ballooning it won't matter. As a SIG we still choose our missions and organize ourselves as needed to accomplish the mission. There are other special interest groups in VOI. One of them is packet radio. Another concern is that people without an amateur radio license would be left out. The VOI allows non licensed people to join as an associate member for the same price. That means anyone can participate and insurance coverage's would still apply. As soon as Paul gets his insurance questions answered I'm sure we'll end up joining.
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We also discussed future projects...
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- Data analysis project. To find an easier way to pull data from the APRS logs rather than Paul hunting through them piece by piece. Mike Garske is working on this one.
- and more....

Jeff
KD7INN

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tvnsp-unsubscribe@egroups.com

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1452. Tape to Todd Morgan

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-26 20:04:28 UTC
From: paulson58@juno.com
Topic: 1452 Message: 1452

FYI

I Video from Jeff's capsule, as well as an outline sheet telling at what time major events happened, was dropped off for Todd Morgan at Idaho Power today. This was in keeping with our offer to supply one to him in order to demonstrate what the TVNSP is about. He was away from his desk at the time of my visit and could not see me in person. I left the Tape along with a nice note for him, and she left a VM for him to pick it up at her desk.

Dan
KD7OST

1453. Re: Tape to Todd Morgan

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-26 20:07:38 UTC
From: paulson58@juno.com
Topic: 1452 Message: 1453

Oops, my turn.

The "She" I referred to is the receptionist at the front desk.

Dan

--- In tvnsp@y..., paulson58@j... wrote:
> FYI
>
> I Video from Jeff's capsule, as well as an outline sheet telling at
> what time major events happened, was dropped off for Todd Morgan at
> Idaho Power today. This was in keeping with our offer to supply one
> to him in order to demonstrate what the TVNSP is about. He was away
> from his desk at the time of my visit and could not see me in
person.
> I left the Tape along with a nice note for him, and she left a VM
for
> him to pick it up at her desk.
>
> Dan
> KD7OST

1454. Rick's T-shirt/Lee Kelly's Address

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-24 21:34:24 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1349 Message: 1454

Rick, what size t-shirt did you order? I thought I had them all accounted for, but apparently not.

I need Lee Kelly's address. I have stuff to mail him.

Paul

1455. Video Tape

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-24 21:35:23 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1420 Message: 1455

We need a copy of the video for the owner of the recycling plant we landed near.

Paul

1456. Re: [tvnsp] Data Analysis Project boundary="----=_NextPart_000_0015_01C174B9.CC22F7A0"

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-24 21:37:34 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1435 Message: 1456

> I have been working on an Excel spreadsheet with a co worker of mine to sort the data logs of our missions....I have a working spreadsheet now that I would like to test. Can I get a copy of the flight logs everyone has so I can test for bugs?

Mike, I'll email a copy out on Monday.

Paul

1457. Re: Safe landing area

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-24 21:48:08 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1457 Message: 1457

I'm thinking we need to get an average estimate of the precentage error in landing range. Say something like 30%. We then predict a landing position and then travel 30% before and after the landing position. If there's an object in that area we don't want to land on, then we move the launch site. I don't know the error in azimuth, but we'll need to pick a number here also and factor that in.

So the process would lokk something like this (remember, these numbers will have to be tweaked before we impliment this).

Take a predicted landing site and draw a rectangle around it. It will measure 30% closer and farther from the launch site and span plus and minus 10 degrees in azimuth. If one of the following objects is in it, we move the launch siite.

Power plant
Power substation
City
Airport
Lake
The Pacific Ocean
Hawaii
etc....

We'll experiment with this and see how it works. Ralph, do your numbers have ranges associated with them? I'd like to convert these errors in landing into precentage errors. I'd also like to determine how the azimuth varied. It seems when we lost the TV00A flight, we had the right azimuth, but wrong range, just like the last flight.

Perhaps instead of using historical flight data, we could run predictions everyday for a week and look at how the predicted landing site changes.

I smell a project for someone to be appointed to.....

Paul

1458. Re: [tvnsp] List of names for Videos

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-24 21:49:19 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1433 Message: 1458

Bill, I'll take care of your copy. There won't be a charge (unless some residue of that 12.5kV line slipped into the camcorder).

Paul

1459. Re: [tvnsp] Data Analysis Project

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-24 21:51:57 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1435 Message: 1459

> I will send you mine off list. I was wondering how Paul waded through
> and sorted all that jumbled data. I was sure it was not select and
> delete by hand.

Yep, I did it by hand and boy were my hands tired! I spent over an
hour last night getting Jeff's data into proper text format.

Paul

1460. No Mail!

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-26 19:40:46 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1460 Message: 1460

I couldn't send email this week, so here goes another try.

We had a great meeting on Friday that answered most of my concerns. Doug, have you been able to check the insurance policy yet?

I shot three boards this weekend. I should have them drilled in the next couple of days, then I'll send them out. Mark, I'll send you one now and the other later when I shoot some more.

I started some notes on construction standards. Once I type them up, I'll email to the group.

There will be a meeting this Sunday at HobbyTown. Bring your parachute materials. I'll also bring styrofoam for airframes for those of you not planning to work on parachutes.

I think the Jade Garden is an ideal place to have eating meetings, in place of Idaho Pizza.

We need a copy of the video for the Recycling Plant we landed near.

Paul

1461. Re: [tvnsp] Re: Safe landing area

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-26 20:38:26 UTC
From: John Knapp
Topic: 1457 Message: 1461

Both John Stone and I were going to work on this.

John Knapp
KD7HGS
--- verhap@... wrote:
> I'm thinking we need to get an average estimate of
> the precentage
> error in landing range. Say something like 30%. We
> then predict
> a landing position and then travel 30% before and
> after the landing
> position. If there's an object in that area we
> don't want to land on,
> then we move the launch site. I don't know the
> error in azimuth,
> but we'll need to pick a number here also and factor
> that in.
>
> So the process would lokk something like this
> (remember, these
> numbers will have to be tweaked before we impliment
> this).
>
> Take a predicted landing site and draw a rectangle
> around it. It will
> measure 30% closer and farther from the launch site
> and span plus
> and minus 10 degrees in azimuth. If one of the
> following objects is
> in it, we move the launch siite.
>
> Power plant
> Power substation
> City
> Airport
> Lake
> The Pacific Ocean
> Hawaii
> etc....
>
>
> We'll experiment with this and see how it works.
> Ralph, do your
> numbers have ranges associated with them? I'd like
> to convert

> these errors in landing into precentage errors. I'd
> also like to
> determine how the azimuth varied. It seems when we
> lost the
> TV00A flight, we had the right azimuth, but wrong
> range, just like
> the last flight.
>
> Perhaps instead of using historical flight data, we
> could run
> predictions everyday for a week and look at how the
> predicted
> landing site changes.
>
> I smell a project for someone to be appointed
> to.....
>
> Paul
>

Do You Yahoo!?
Yahoo! GeoCities - quick and easy web site hosting, just $8.95/month.
http://geocities.yahoo.com/ps/info1

1462. Re: Safe landing area

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-26 21:08:35 UTC
From: Ralph Wallio, W0RPK
Topic: 1457 Message: 1462

> We'll experiment with this and see how it works. Ralph, do your
> numbers have ranges associated with them? I'd like to convert
> these errors in landing into precentage errors. I'd also like to
> determine how the azimuth varied. It seems when we lost the
> TV00A flight, we had the right azimuth, but wrong range, just like
> the last flight.

I have all email messages that contain predicted and actual landing coordinates. Some mission telemetry files and/or launch coordinates are available in web page links associated with posted record entries.

Given launch coordinates, I could calculate bearing and distance to predicted landing coordinates and to actual landing coordinates. A set of these bearing and distance values may give you a feel for the nature of prediction errors, e.g., is the "safe" landing area a circle (because errors are equally in bearing and distance), an ellipse with major axis along the bearing line (because errors are predominately in distance) or an ellipse with minor axis along the bearing line (because errors are predominately in bearing). We have a very limited data set of only 16 predictions but foci positions (magnitude of ellipse) could be defined by collective bearing errors vs. collective distance errors.

If you do not have other plans I can build the data table here so you folks can tame other dragons.

TNX es 73 de Ralph Wallio, W0RPK
wallio@...
http://users.crosspaths.net/~wallio

1463. Error boxes

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-26 21:24:56 UTC
From: Mark Conner
Topic: 1463 Message: 1463

Here are some things I've done with my past flights to get a handle on the variations that might be possible for a flight. This is all done within Balloon Track.

1) Vary the burst altitude. This usually changes your landing east/west a few miles.
2) Vary the ascent rate. I use 500 and 1500 ft/min as lower/upper bounds. Does not usually change direction much, but will change distance.
3) Vary the descent rate. Same, but less of an effect. Rarely does a payload come down much slower than expected - it can come down faster due to a fouled chute.
4) Use wind predictions valid for +/- 3-6 hours from your expected launch time. Often the models have a good handle on what is going to happen, but get the timing wrong. This will let you know if there is a radical change in the winds with time (which gives downtrack as well as crosstrack error).

Since 1200Z is 5am for the Boise area, you may have access to the morning sounding from Boise NWS before a TVNSP launch. This could be used as a last-minute check for the validity of your forecast. Someone at home with Internet access and radio or cell contact to the launch crew is the best candidate to perform this. You may not need to run a full prediction - just compare the wind values from those used for the last prediction and see if they've changed significantly. If so, then rerun it.

73 de Mark N9XTN

1464. RE: [tvnsp] Big Meeting Results

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-26 22:02:15 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 1450 Message: 1464

I'm rather interested in this part, who should I contact to see about
helping with this project?

Bill B.

> -----Original Message-----
> - NSRV Near Space Return Vehicle. (First vehicle will be a paraglider
> with the ability to steer to a designated landing site. Not
> necessarily
> the launch site.
>

1465. Re: FW: [tvnsp] Big Meeting Results

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-26 22:19:09 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1451 Message: 1465

> Well if this balloon group uses VOI insurance. I know I will not be part
> of either because of contingent liabilities and may make all members of VOI
> liable for things not covered by insurance. As when this came up last year
> the VOI membership dropped considerably for this reason, as many have voiced
> this to me even ones who were in the legal feild.

I believe I recall this meeting. At the meeting, the members of VOI
were reminded that they voted to support some balloon activities.
Then the issue was pretty much dropped. Do I have the right
meeting in mind?

Can we get an explanation on how club members can be held
liable for club actitivtes? This seems to contradict the function of
liability insurance as I understand it.

Paul

1466. Bill's Last Message

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-26 22:20:33 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1466 Message: 1466

Bill, I accidently deleted your last message. Can you resend it to me?

Hope this message will get out, email on the campus is a little flakey right now.

Paul

1467. RE: [tvnsp] (unknown)

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-26 22:52:59 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 1405 Message: 1467

Would a gyroscope work to maintain orientation? We could use a sun tracking device such as two photosensors on each side of a card to drive two small motors to twist the gyro in the appropriate direction, that part is easy enough I think. Or even four if we want control in all four directions (up, down, left, right). The question is, would the gyro be enough to maintain lateral orientation or would there be too much resistance from the capsules and chute?

I suppose we couldn't use an open birdcage type capsule here? Then we could use the lazy susan inside that cage and just orient that towards the sun.

Just thinking.

Bill B.

> What do you think about putting a few idea's into a different Flavor
> of capsule. What I'm thinking of is based on your future plans. We
> make a capsule who's purpose is to "Cause Orientation". This capsule
> is designed to sit first under the Parachute. It has CDS photo cells
> or whatever built into it for looking at the Sun. It's split or
> somehow made to be motorized down through it's axis. Over simplified,
> but a Lazy susan type design that is close loop motorized looking at
> the photo cells as Error input sensors. We can add in and remove
> magnetic orientation etc. Whatever powered maniacal ideas we can
> conjure up. This would provide lateral flexibility in construction
> weights on the stack, without effecting the other capsules in the
> Stack. It would be the "Test bed" for motorized stabilization
> platforms. I would be interested in working on such a capsule
> provided it is deemed to have viability. Also provided some of you
> great brains help me out.
>
> Dan
> KD7OST
>

1468. RE: [tvnsp] (unknown)

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-26 23:07:27 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1405 Message: 1468

> Would a gyroscope work to maintain orientation? We could use a sun tracking
> device such as two photosensors on each side of a card to drive two small
> motors to twist the gyro in the appropriate direction, that part is easy
> enough I think. Or even four if we want control in all four directions (up,
> down, left, right). The question is, would the gyro be enough to maintain
> lateral orientation or would there be too much resistance from the capsules
> and chute?

To control rotation takes a gyro with lots of torque. This usually
means its wheel needs to be heavy and spinning very fast. The
other problem is that when you try to tip a gyro, it will begin to
precess. This would force the capsule to begin a strong wobble
that would probably damage it.

The better use of gyros is to determine when there has been a
change in orientation and then use a second system to correct it.
This lets you get by with a smaller and lighter gyro. But if you
don't begin correcting immediately, the precession will get out of
hand.

> I suppose we couldn't use an open birdcage type capsule here? Then we could
> use the lazy susan inside that cage and just orient that towards the sun.

I'm thinking of using a motor on the top of the bottom capsule to
spin the capsule in the opposite direction of its rotation. This
would require a sun sensor to operate.

> Just thinking.

That's what we pay you for.

Paul

1469. Re: [tvnsp] Data Analysis Project

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-26 22:05:04 UTC
From: Rick Widmer
Topic: 1435 Message: 1469

You might want to send me a copy of the before and after data, and I'll see if I can throw to gether a php program that does the job.

Rick

verhap@... wrote:
>
> > I will send you mine off list. I was wondering how Paul waded through
> > and sorted all that jumbled data. I was sure it was not select and
> > delete by hand.
>
> Yep, I did it by hand and boy were my hands tired! I spent over an
> hour last night getting Jeff's data into proper text format.
>
> Paul
>
>
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1470. Re: [tvnsp] Big Meeting Results

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-27 10:11:07 UTC
From: Jeff Melanson
Topic: 1450 Message: 1470

Bill,

Go to this web site.

http://cosmos.ssol.iastate.edu/RGS/

Study what they have done to develop a parasail. We need to know how to choose the right size for the payload. Watch their mpegs of test's and let's see their successes and failures. As far as I can tell they have not yet used this system. They are still trying to develop it. For now they drop the parasail off a building and try to steer in down by remote control. We can probably find some good ideas here, and some things not to do.

Jeff
KD7INN

"BLOHM,BILL (HP-Boise,ex1)" wrote:
> I'm rather interested in this part, who should I contact to see about
> helping with this project?
>
> Bill B.
>
> > -----Original Message-----
> > - NSRV Near Space Return Vehicle. (First vehicle will be a paraglider
> > with the ability to steer to a designated landing site. Not
> > necessarily
> > the launch site.
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>
>
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1471. RE: [tvnsp] (unknown)

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-27 11:17:32 UTC
From: Tim Rynearson
Topic: 1405 Message: 1471
Attachments: 1 described; binary payloads are missing from this source WARC

Rather than relying on ol' Sol for orientation (who tends to hide in cloud cover), perhaps we could use GPS info to maintain orientation (cloud cover would be a non-issue).

my $.02 today.....
Tim

-------Original Message-------

From:BLOHM,BILL (HP-Boise,ex1)
Date: Monday, November 26, 2001 10:49:06 PM
To:'tvnsp@yahoogroups.com'
Subject: RE: [tvnsp] (unknown)

Would a gyroscope work to maintain orientation? We could use a sun tracking device such as two photosensors on each side of a card to drive two small motors to twist the gyro in the appropriate direction, that part is easy enough I think. Or even four if we want control in all four directions (up, down, left, right). The question is, would the gyro be enough to maintain lateral orientation or would there be too much resistance from the capsules and chute?

I suppose we couldn't use an open birdcage type capsule here? Then we could use the lazy susan inside that cage and just orient that towards the sun.

Just thinking.

Bill B.

> What do you think about putting a few idea's into a different Flavor
> of capsule. What I'm thinking of is based on your future plans. We
> make a capsule who's purpose is to "Cause Orientation". This capsule
> is designed to sit first under the Parachute. It has CDS photo cells
> or whatever built into it for looking at the Sun. It's split or
> somehow made to be motorized down through it's axis. Over simplified,
> but a Lazy susan type design that is close loop motorized looking at
> the photo cells as Error input sensors. We can add in and remove
> magnetic orientation etc. Whatever powered maniacal ideas we can
> conjure up. This would provide lateral flexibility in construction
> weights on the stack, without effecting the other capsules in the
> Stack. It would be the "Test bed" for motorized stabilization
> platforms. I would be interested in working on such a capsule
> provided it is deemed to have viability. Also provided some of you
> great brains help me out.
>
> Dan
> KD7OST

>

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1472. Re: [tvnsp] Pointing the capsule

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-27 14:22:46 UTC
From: Mark Conner
Topic: 1472 Message: 1472

GPS won't tell you which way you're pointing, only which way you're moving. If you're moving east at 40 mph with the wind, the GPS will tell you that much, but not whether the capsule is facing any particular direction.

A compass module might work for this, and be easier/lighter than a gyro. Jameco has one for $50. This would give you azimuth, but not up/down.

- Mark

----- Original Message -----
From: Tim Rynearson
To: tvnsp@yahoogroups.com
Sent: Tuesday, November 27, 2001 05:17
Subject: RE: [tvnsp] (unknown)

Rather than relying on ol' Sol for orientation (who tends to hide in cloud cover), perhaps we could use GPS info to maintain orientation (cloud cover would be a non-issue).

my $.02 today.....
Tim

-------Original Message-------

From:BLOHM,BILL (HP-Boise,ex1)
Date: Monday, November 26, 2001 10:49:06 PM
To:'tvnsp@yahoogroups.com'
Subject: RE: [tvnsp] (unknown)

Would a gyroscope work to maintain orientation? We could use a sun tracking device such as two photosensors on each side of a card to drive two small motors to twist the gyro in the appropriate direction, that part is easy enough I think. Or even four if we want control in all four directions (up, down, left, right). The question is, would the gyro be enough to maintain lateral orientation or would there be too much resistance from the capsules and chute?

I suppose we couldn't use an open birdcage type capsule here? Then we could use the lazy susan inside that cage and just orient that towards the sun.

Just thinking.

Bill B.

> What do you think about putting a few idea's into a different Flavor
> of capsule. What I'm thinking of is based on your future plans. We
> make a capsule who's purpose is to "Cause Orientation". This capsule
> is designed to sit first under the Parachute. It has CDS photo cells

> or whatever built into it for looking at the Sun. It's split or
> somehow made to be motorized down through it's axis. Over simplified,
> but a Lazy susan type design that is close loop motorized looking at
> the photo cells as Error input sensors. We can add in and remove
> magnetic orientation etc. Whatever powered maniacal ideas we can
> conjure up. This would provide lateral flexibility in construction
> weights on the stack, without effecting the other capsules in the
> Stack. It would be the "Test bed" for motorized stabilization
> platforms. I would be interested in working on such a capsule
> provided it is deemed to have viability. Also provided some of you
> great brains help me out.
>
> Dan
> KD7OST
>

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1473. RE: [tvnsp] Pointing the capsule

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-27 16:25:50 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 1472 Message: 1473

Besides, isn't most (greater %) of the flight above the clouds?

That compass idea, though, has merit, but there's still the problem of orienting the capsule. However, and Paul will correct me if I'm wrong, I believe the idea is to stabilize the capsule rather than point it in any specific direction. I think the idea is to use counter-rotation against the capsule and to use the sun as a reference point. The compass idea would still work for this, we could just use, say, north instead of the sun.

An added bonus of using the compass is that we could then apply this against any night flights as well, without needing modification.

Bill B.

> -----Original Message-----
> From: Mark Conner [mailto:mconner1@...]
> Sent: Tuesday, November 27, 2001 7:23 AM
> To: tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] Pointing the capsule
>
>
> GPS won't tell you which way you're pointing, only which way
> you're moving.
> If you're moving east at 40 mph with the wind, the GPS will
> tell you that
> much, but not whether the capsule is facing any particular direction.
>
> A compass module might work for this, and be easier/lighter
> than a gyro.
> Jameco has one for $50. This would give you azimuth, but not up/down.
>
> - Mark
>
> ----- Original Message -----
> From: Tim Rynearson
> To: tvnsp@yahoogroups.com
> Sent: Tuesday, November 27, 2001 05:17
> Subject: RE: [tvnsp] (unknown)
>
>
> Rather than relying on ol' Sol for orientation (who tends to
> hide in cloud
> cover), perhaps we could use GPS info to maintain orientation
> (cloud cover
> would be a non-issue).
>

> my $.02 today.....
> Tim

1474. RE: [tvnsp] Pointing the capsule

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-27 16:58:26 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1472 Message: 1474

> That compass idea, though, has merit, but there's still the problem of
> orienting the capsule. However, and Paul will correct me if I'm wrong, I
> believe the idea is to stabilize the capsule rather than point it in any
> specific direction. I think the idea is to use counter-rotation against the
> capsule and to use the sun as a reference point. The compass idea would
> still work for this, we could just use, say, north instead of the sun.

> An added bonus of using the compass is that we could then apply this against
> any night flights as well, without needing modification.

Electronic compasses develop errors when they tip. Perhaps it
won't be enough to seriously effect the results.

Paul

1475. Re: RE: [tvnsp] Pointing the capsule

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-27 18:36:49 UTC
From: Mark Conner
Topic: 1472 Message: 1475

I believe the same company (Vector?) sells a gimballed compass that will handle tilts, but it's about $100.

Still, providing the torque to offset any spinning is problematic. Most of the things I've seen/heard really drive up the weight and complexity. While a lot can be learned from making Rube Goldberg devices, sometimes the practicality leaves a lot to be desired.

I think reducing sources of the spinning is a more fruitful way to go. For example, use of braided rather than spun load lines. Most of my videotapes indicate a favored direction of spin which would indicate possibly a slow unwinding of the load line from balloon to parachute. The remainder of the lines are multiples and shouldn't contribute.

What about putting a set of vertically-oriented vanes on the payload? I think this would reduce spinning about the Z axis during ascent, but I'm not sure how they'd behave during descent - would they act like wings and cause less stability, or would the parachute keep this from happening?

73 de Mark N9XTN

----- Original Message -----
From: verhap@...
Date: Tuesday, November 27, 2001 6:23 pm
Subject: RE: [tvnsp] Pointing the capsule

> Electronic compasses develop errors when they tip. Perhaps it
> won't be enough to seriously effect the results.
>
> Paul
>

1476. RE: [tvnsp] Big Meeting Results

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-27 19:00:29 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 1450 Message: 1476

Jeff, and Dan,

I'll check this out, but do have a question to ask right off, before we get too into the parasail track.

I can't help but wonder, should we perhaps look at a more rigid NSRV or should we continue to pursue the parasail as the primary alternate to our current recovery system?

I'd just like to get this clarified, as it will help me determine where I need to focus most. Essentially, I'm asking which of these is our focus:

1) Parasail recovery system (PRS) for the NSRV.
2) PRS for the short term, to be replaced with a more rigid NSRV as needs are further determined based on results of the PRS.
3) A rigid NSRV (glider).
4) A parallel development of PRS and a rigid NSRV.

Bill B.
KC7JSD

> -----Original Message-----
> From: Jeff Melanson [mailto:kd7inn@...]
> Sent: Tuesday, November 27, 2001 3:11 AM
> To: tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] Big Meeting Results
>
>
> Bill,
>
> Go to this web site.
>
> http://cosmos.ssol.iastate.edu/RGS/
>
> Study what they have done to develop a parasail. We need to
> know how to
> choose the right size for the payload. Watch their mpegs of test's and
> let's see their successes and failures. As far as I can tell they have
> not yet used this system. They are still trying to develop it. For now
> they drop the parasail off a building and try to steer in
> down by remote
> control. We can probably find some good ideas here, and some
> things not
> to do.
>
> Jeff

> KD7INN
>
> "BLOHM,BILL (HP-Boise,ex1)" wrote:
> >
> > I'm rather interested in this part, who should I contact to
> see about
> > helping with this project?
> >
> > Bill B.
> >
> > > -----Original Message-----
> > > - NSRV Near Space Return Vehicle. (First vehicle will be
> a paraglider
> > > with the ability to steer to a designated landing site. Not
> > > necessarily
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1477. Re: [tvnsp] Big Meeting Results

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-27 19:14:54 UTC
From: Jeff Melanson
Topic: 1450 Message: 1477

Bill

The parasail is the primary focus right now because it should be the easiest to accomplish. It is also the one method that would allow us to continue with a science platform. The glider probably can't carry enough payload to do science experiments. Our objectives have always included science at high altitudes. In the future we may want a rigid return vehicle just for fun.

Jeff

"BLOHM,BILL (HP-Boise,ex1)" wrote:
>
> Jeff, and Dan,
>
> I'll check this out, but do have a question to ask right off, before we get
> too into the parasail track.
>
> I can't help but wonder, should we perhaps look at a more rigid NSRV or
> should we continue to pursue the parasail as the primary alternate to our
> current recovery system?
>
> I'd just like to get this clarified, as it will help me determine where I
> need to focus most. Essentially, I'm asking which of these is our focus:
>
> 1) Parasail recovery system (PRS) for the NSRV.
> 2) PRS for the short term, to be replaced with a more rigid NSRV as needs
> are further determined based on results of the PRS.
> 3) A rigid NSRV (glider).
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>
> Bill B.
> KC7JSD
>
> > -----Original Message-----
> > From: Jeff Melanson [mailto:kd7inn@...]
> > Sent: Tuesday, November 27, 2001 3:11 AM
> > To: tvnsp@yahoogroups.com
> > Subject: Re: [tvnsp] Big Meeting Results
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> >
> > Bill,
> >
> > Go to this web site.
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> > Study what they have done to develop a parasail. We need to
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> > choose the right size for the payload. Watch their mpegs of test's and
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> > > > -----Original Message-----
> > > > - NSRV Near Space Return Vehicle. (First vehicle will be
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1478. Re: [tvnsp] (unknown)

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-27 17:23:11 UTC
From: Rick Widmer
Topic: 1405 Message: 1478

> Rather than relying on ol' Sol for orientation (who tends to hide in cloud cover),
> perhaps we could use GPS info to maintain orientation (cloud cover would be a
> non-issue).

I don't think so. A gps knows where it is, but not what direction it is
facing.

1479. Re: RE: [tvnsp] Pointing the capsule

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-27 19:08:42 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1472 Message: 1479

> I believe the same company (Vector?) sells a gimballed compass that will
> handle tilts, but it's about $100.

I've seen those. The name and price is correct. Jeff and I looked
for the gimbal versions in Jameco a few days ago and didn't see
them.

> Still, providing the torque to offset any spinning is problematic. Most
> of the things I've seen/heard really drive up the weight and
> complexity. While a lot can be learned from making Rube Goldberg
> devices, sometimes the practicality leaves a lot to be desired.

I've wondered about using a motor. The capsule would hang off of
the motor shaft. The motor would be commanded to rotate (using
an H-bridge) as needed. Perhaps an electric screwdriver would be
the proper motor.

> I think reducing sources of the spinning is a more fruitful way to go.
> For example, use of braided rather than spun load lines. Most of my
> videotapes indicate a favored direction of spin which would indicate
> possibly a slow unwinding of the load line from balloon to parachute.
> The remainder of the lines are multiples and shouldn't contribute.

We definitely want to reduce sources of rotation to begin with.
more bearings and braided line sounds like a good start.

> What about putting a set of vertically-oriented vanes on the payload? I
> think this would reduce spinning about the Z axis during ascent, but I'm
> not sure how they'd behave during descent - would they act like wings
> and cause less stability, or would the parachute keep this from
> happening?

I think they'd be ineffective at high altitudes with its lower pressure.

Paul

1480. Re: [tvnsp] Pointing the capsule

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-27 19:21:21 UTC
From: Jeff Melanson
Topic: 1472 Message: 1480

Hi all,

It has also been suggested that the balloon may spin as it rises through the atmosphere due to it's shape. Some balloons sure have funny out of round shapes to them. Even the ones that look round may not be perfect. On the last couple of flights of ours the video panning seems to change direction and once in a while would stop for a moment then slowly drift around again. I like the slow panning effect. The idea of a despun section (in my mind) is to be able to point a camera up into the black of space and be able to keep the shutter open long enough to capture starlight. Pauls idea is to use a motor at the top of the bottom capsule that would rotate the capsule to keep it oriented in one direction. This would not take care of swinging sideways or to and fro. In calm conditions the swinging might not be a problem. The panning always will. Remove the panning effect, point the camera and take several pictures. At least some pictures should turn out.

Jeff

Mark Conner wrote:
>
> I believe the same company (Vector?) sells a gimballed compass that will
> handle tilts, but it's about $100.
>
> Still, providing the torque to offset any spinning is problematic. Most
> of the things I've seen/heard really drive up the weight and
> complexity. While a lot can be learned from making Rube Goldberg
> devices, sometimes the practicality leaves a lot to be desired.
>
> I think reducing sources of the spinning is a more fruitful way to go.
> For example, use of braided rather than spun load lines. Most of my
> videotapes indicate a favored direction of spin which would indicate
> possibly a slow unwinding of the load line from balloon to parachute.
> The remainder of the lines are multiples and shouldn't contribute.
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> What about putting a set of vertically-oriented vanes on the payload? I
> think this would reduce spinning about the Z axis during ascent, but I'm
> not sure how they'd behave during descent - would they act like wings
> and cause less stability, or would the parachute keep this from
> happening?
>
> 73 de Mark N9XTN
>
> ----- Original Message -----
> From: verhap@...
> Date: Tuesday, November 27, 2001 6:23 pm

> Subject: RE: [tvnsp] Pointing the capsule
>
> > Electronic compasses develop errors when they tip. Perhaps it
> > won't be enough to seriously effect the results.
> >
> > Paul
> >
>
>
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1481. Re: questions from Massachusetts

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-27 19:52:59 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1481 Message: 1481

> Can someone answer Hanks question about what the Treasure Valley
> includes?

> > Definitely, thanks Jeff. I wish you hadn't had to
> > write so much, since a lot was intended for someone
> > in the TV. If you don't mind, what geographically IS
> > the TV? If I were around I would love to attend one of
> > your meetings, and this one would be especially interesting,
> > because for one thing I think this may well be a turning
> > point for TVNSP (for the better). I think TVNSP, although
> > it's had outstanding success, would benefit from a little
> > more organization and structure.

Hank, we're located near Boise. If you can arrange a visit, we'd
love to have you come out to a meeting or launch. I'm also
planning another mass launch this July in Kansas, it that would be
easier.

We'll do a better job and get that weight and lift data to you. right
now with our accident, that's been put back a step.

Paul

1482. Re: [tvnsp] Pointing the capsule

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-27 20:24:26 UTC
From: ab7xm@aol.com
Topic: 1472 Message: 1482

i have a thought ... wow now if i can remember what it was .. probably carma`s fault .. ok anyway .. if you know the wind direction and all that then (ill make it up) if your launch is going to be going in a lets say strait east direction and if you have a solar panel that keeps its orientation with the sun then why cant we just have the wings set so that it tries to descend in a westerly direction? i know this it to simple but it seems like its a start to developing a homing instinct ... i agree the sun gets covered by clouds but most of the flight is above the clouds isn't it? if we could get the payload to self home to the cloud level, then remote control it to the ground by sight wouldn`t that be cool maybe? ... or is there no way to guide it with the lack of air at the record levels of hight we hope to attain .... paul ...

1483. Re: RE: [tvnsp] Pointing the capsule

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-27 20:38:53 UTC
From: Tim Rynearson
Topic: 1472 Message: 1483
Attachments: 1 described; binary payloads are missing from this source WARC

Along the lines of thinking on vertical vanes, what about air-brake style vanes, like you see on NASCAR cars, that would open against the 'wind' and retract with it ? You'd have to have two on each side, oriented in opposite directions.

Tim.......

-------Original Message-------

From:Mark Conner
Date: Tuesday, November 27, 2001 11:35:40 AM
To:tvnsp@yahoogroups.com
Subject: Re: RE: [tvnsp] Pointing the capsule

I believe the same company (Vector?) sells a gimballed compass that will handle tilts, but it's about $100.

Still, providing the torque to offset any spinning is problematic. Most of the things I've seen/heard really drive up the weight and complexity. While a lot can be learned from making Rube Goldberg devices, sometimes the practicality leaves a lot to be desired.

I think reducing sources of the spinning is a more fruitful way to go. For example, use of braided rather than spun load lines. Most of my videotapes indicate a favored direction of spin which would indicate possibly a slow unwinding of the load line from balloon to parachute. The remainder of the lines are multiples and shouldn't contribute.

What about putting a set of vertically-oriented vanes on the payload? I think this would reduce spinning about the Z axis during ascent, but I'm not sure how they'd behave during descent - would they act like wings and cause less stability, or would the parachute keep this from happening?

73 de Mark N9XTN

----- Original Message -----
From: verhap@...01.k12.id.us
Date: Tuesday, November 27, 2001 6:23 pm
Subject: RE: [tvnsp] Pointing the capsule

> Electronic compasses develop errors when they tip. Perhaps it
> won't be enough to seriously effect the results.
>
> Paul
>

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1484. Video Tapes

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-27 20:59:43 UTC
From: Jeff Melanson
Topic: 1484 Message: 1484

Paul,

I am finishing the last two copies of the video tapes right now. This includes everyone on the list and those names added later and the recycling plant. Can you stop by tonight and take the ones your going to deliver? I'll give you the addresses of those that have to be mailed. I will bring the rest to the hobbytown meeting on Sunday at 2:00 pm. For those of you who can't make it to the Sunday meeting we'll need different arrangements. You can come by tonight or get your copy at a future meeting.
I off work tonight because I'm staying home with a chest cold. I promise not to cough on you!

Jeff
KD7INN

1485. Re: Big Meeting Results

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-27 21:04:29 UTC
From: paulson58@juno.com
Topic: 1450 Message: 1485

Bill-

Good questions one and all. First I concure with Jeffs comments. We have debated back and fourth a bit on all this. However, the Parafoil is undoubtedly the way to go to start. There are several good reasons.

1. Lighter weight- Since this takes the place of the standard parachute, their is little extra weight in a package like this. You need at least a single servo and whatever mounting method you decide to employ. This also means fewer new systems or Unknowns into the fray. Just software working with a servo and compass.

2. Safety- If the control system fails, at the very least you are still coming down under a canopy. You can throw out your descent calculations at first. Once you know what your glide slope is, you can figure that with wind direction and speed and get close.

3. Ease of transport- self explanatory, and not likely a real issue.

The idea of bringing a Shuttle like vehicle from Near Space, back to where you launched, just intrigues the heck out of me. Maybe too much so. I hear people yelling at me' "Sir, Sir, your next". I'm in line at a grocery store and had at least 30 seconds of free time. I drifted off trying to see in my minds eye how best to connect the servo to an elevon to minimize flutter, but have it weigh nothing. Honk, Honk, Oops, the light changed and I'm still sitting there wondering if their should be retractable landing gear or just a skid.

Jeff has it right though. He says getting it back to where you launch is a fun idea for the future. But, in the interest of safety, while keeping room for experiments, don't try to bring it back to the Launch site. Bring it down someplace downrange where it's not only easy to get to, but gives you control for safety reasons. (We all know what that means) This also keeps it on the Ham side a bit more. The tracking is not only a very fun part, but is the only draw some people have to the whole launch. He says we need to work hard to make sure the Science or the Ham never gets one above the other. That this is a joint effort that brings the two groups together to share ideas and technology. It works for a bigger more diverse group this way. I couldn't agree with him more.

We did some preliminary checking on the Parafoil. Their seems to be a couple of companies making parafoils for RC. Only a few are really high end and would stand up to this type of extreme use. www.airfoilaviation.com is likely the best. They know their business. I got estimates of weight and sizes from them. They already have the ground work done. They make them for hobby and light industry.

They say that their 1/3 scale chute would work best for a 6 to 7 pound payload. But at $325.95 for a replacement chute, it's out of our reach for a while. The more I looked at making one that size, the more I steared for theirs. (Thats not a real pun is it) The cost of Materials would be more than their completed unit. Plus, I would have to make a handfull of them before I got it right. Uh, if I got it right. It is, in my opinion, cheaper to get one like theirs than to make one. They are complex and need to be airfoil shaped to work. We have therefore put the whole idea off for now. It's just not in our reach. Certainly there is room for other ideas. We have simply held off discussing it here in leu of other issues. Perhaps it's time for resources to ring in on this one. It's on the table. Maybe some Web wizzard can find a better deal than I could.

Dan / KD7OST

--- In tvnsp@y..., "BLOHM,BILL (HP-Boise,ex1)" <bill_blohm@h...> wrote:
> Jeff, and Dan,
>
> I'll check this out, but do have a question to ask right off, before we get
> too into the parasail track.
>
> I can't help but wonder, should we perhaps look at a more rigid NSRV or
> should we continue to pursue the parasail as the primary alternate to our
> current recovery system?
>
> I'd just like to get this clarified, as it will help me determine where I
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> Bill B.
> KC7JSD
>
> > -----Original Message-----
> > From: Jeff Melanson [mailto:kd7inn@e...]
> > Sent: Tuesday, November 27, 2001 3:11 AM
> > To: tvnsp@y...
> > Subject: Re: [tvnsp] Big Meeting Results
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> >
> > Bill,
> >
> > Go to this web site.
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> > Study what they have done to develop a parasail. We need to
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1486. Re: [tvnsp] Pointing the capsule

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-27 21:50:55 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1472 Message: 1486

One of my first tests will use a combat wing and electronic
compass for just the thing you describe.

Paul
> i have a thought ... wow now if i can remember what it was .. probably
> carma`s fault .. ok anyway .. if you know the wind direction and all that
> then (ill make it up) if your launch is going to be going in a lets say
> strait east direction and if you have a solar panel that keeps its
> orientation with the sun then why cant we just have the wings set so that it
> tries to descend in a westerly direction? i know this it to simple but it
> seems like its a start to developing a homing instinct ... i agree the
> sun gets covered by clouds but most of the flight is above the clouds isn't
> it? if we could get the payload to self home to the cloud level, then
> remote control it to the ground by sight wouldn`t that be cool maybe? ... or
> is there no way to guide it with the lack of air at the record levels of
> hight we hope to attain .... paul ...

1487. Re: RE: [tvnsp] Pointing the capsule boundary="----------Boundary-00=_T08HBHK0000000000000"

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-27 21:51:52 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1472 Message: 1487

When the balloon flies, it travels with the wind. As far as the capsule is concerned, there is no wind (ideally).

Paul

1488. Re: [tvnsp] Video Tapes

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-27 21:53:45 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1484 Message: 1488

> I am finishing the last two copies of the video tapes right now. This
> includes everyone on the list and those names added later and the
> recycling plant. Can you stop by tonight and take the ones your going to
> deliver? I'll give you the addresses of those that have to be mailed. I
> will bring the rest to the hobbytown meeting on Sunday at 2:00 pm. For
> those of you who can't make it to the Sunday meeting we'll need
> different arrangements. You can come by tonight or get your copy at a
> future meeting.
> I off work tonight because I'm staying home with a chest cold. I promise
> not to cough on you!

I can't stop by tonight, I have a package to pick up at UPS. They'll
close about 15 minutes after I get there, so time will be tight. Can
you leave it with the rabbits tomorrow?

Paul

1489. RE: [tvnsp] Re: questions from Massachusetts

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-27 22:07:02 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 1481 Message: 1489

Maybe a more accurate presentation of TV would be to say, look at a topo map of SW Idaho. TV runs in that broad valley that pretty much follows the Snake River and runs from the Oregon border (Ontario, OR and Payette, ID) to Mountain Home. That should give you a visual representation of Treasure Valley.

Bill B.

> -----Original Message-----
> From: verhap@... [mailto:verhap@...]
> Sent: Tuesday, November 27, 2001 5:53 AM
> To: tvnsp@yahoogroups.com
> Subject: [tvnsp] Re: questions from Massachusetts
>
>
> > Can someone answer Hanks question about what the Treasure Valley
> > includes?
>
> > > Definitely, thanks Jeff. I wish you hadn't had to
> > > write so much, since a lot was intended for someone
> > > in the TV. If you don't mind, what geographically IS
> > > the TV? If I were around I would love to attend one of
> > > your meetings, and this one would be especially interesting,
> > > because for one thing I think this may well be a turning
> > > point for TVNSP (for the better). I think TVNSP, although
> > > it's had outstanding success, would benefit from a little
> > > more organization and structure.
>
> Hank, we're located near Boise. If you can arrange a visit, we'd
> love to have you come out to a meeting or launch. I'm also
> planning another mass launch this July in Kansas, it that would be
> easier.
>
> We'll do a better job and get that weight and lift data to
> you. right
> now with our accident, that's been put back a step.
>
> Paul
>
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1490. Re: [tvnsp] Video Tapes

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-27 22:18:08 UTC
From: Jeff Melanson
Topic: 1484 Message: 1490

Paul,

It's cause I have a cold isn't it! Okay, the rabbits can watch the tapes
first.

> I can't stop by tonight, I have a package to pick up at UPS. They'll
> close about 15 minutes after I get there, so time will be tight. Can
> you leave it with the rabbits tomorrow?
>
> Paul
>
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1491. Parafoils

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-27 22:45:39 UTC
From: paulson58@juno.com
Topic: 1491 Message: 1491

I found the information I had gotten from Airfoilaviation a few weeks ago. It jogged my memory a bit more. I'll just post it below.

Can you guide me to one or two of your chutes that would be most suited for a 6 to 7 pound paylaod?

The 1/3 scale chute would be best suited for that payload. Thanks

airfoil@...> writes:
The 1/8 and the 55" are $79.95
1/4 $144.95
1/3 $325.95
1/2 $425.95
The 1/2 scale chute will carry the 16lb. payload very easily.
Thanks

I'm sure you all get the idea. I will state that the one they recommend may not be the one we need. They don't like to discuss uses outside what they are intended for but, these units are designed to go up as well as come down. They are designed to hang a prop driven pendulum type craft underneath. From small electric up to huge Chainsaw size gas engines. Throttling back causes descent. Powering up will actually moves the pod forward, angle the parafoil to a steeper angle of attack, and lift up. The chute is sewn so that it fills with air and takes on a lifting airfoil shape. Shifting the load left to right under the parafoil suffices to steer left and right. I think, that since we don't have to go up, only descend, that we should be able to get away with a smaller one. It doesn't have to fly for us. Just steer and decay descent rate to a reasonable impact. It is inherently stable.

Dan

1492. Launch/landing video clips on HABET site

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-27 22:48:27 UTC
From: Mark Conner
Topic: 1492 Message: 1492

I visited the HABET site for the first time in a while, and finally perused some of the old mission files. Go to the page below and click on the Missions button on the left. Then pick a missing and go to the bottom for the video clips. Some nice ones in there. They are kind of large (typically about 10 Mbytes), but good. The landing video for L53 is particularly neat.

http://cosmos.ssol.iastate.edu/HABET/Home.html

- Mark

1493. Re: [tvnsp] Launch/landing video clips on HABET site

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-27 22:56:09 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1492 Message: 1493

> I visited the HABET site for the first time in a while, and finally
> perused some of the old mission files. Go to the page below and click
> on the Missions button on the left. Then pick a missing and go to the
> bottom for the video clips. Some nice ones in there. They are kind of
> large (typically about 10 Mbytes), but good. The landing video for L53
> is particularly neat.

The COSMOS site is the old name, there is a newer one. The
landing I watched was neat, but took a while to download.

We should start out the same way with a tethered test.

Ralph, how balloons has SSOL launched? I thought it was 53, but
I see missing mission numbers

1494. 600g balloons for $25

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-28 01:10:39 UTC
From: Mark Conner
Topic: 1494 Message: 1494

From Electronic Goldmine's recent catalog:
http://sales.goldmine-elec.com/prodinfo.asp?prodid=4071

Giant Weather Balloon - G12848
Brand new meteorological balloon made by Scientific Sales features an inflated size of 5.8 feet and a burst diameter of 19.7 feet. Inflation neck size is 1.3 inch and color is natural color rubber. These uniform wall thickness balloons are ozone resistant and come sealed in a moisture proof sealed bag. Each balloon has been factory inflated, inspected and tested before being dusted and sealed in the package. Weight of the balloon is 600 grams and maximum gross lift is 3550 grams (7.826 pounds); (1800 gm free lift and 1150 gm payload). These are worth many times our price! G12848
Manufactured by Scientific Sales
Price: $24.95

- Mark

Mark D. Conner
E-mail: n9xtn@...
Homepage: http://members.home.net/mconner1
"Arrogance and stupidity, all in the same package.....how efficient of you!" - Ambassador Londo Mollari, Babylon 5

1495. Construction Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-28 01:45:33 UTC
From: Stephanie Steele
Topic: 1495 Message: 1495

Please post the address for Hobbytown and the meeting time. I am going to try and make it but I was unable to purchase parachute materials.

--
Stephanie

****

"They that can give up essential liberty to obtain a little temporary safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

Send and receive money safely over the Internet by using PayPal. I use it and highly recommend it as a safe and reliable means to conduct business. By using the link below we both will receive a $5 sign up bonus.

https://www.paypal.com/refer/pal=kc7dba%40arrl.net

1496. Re: Construction Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-28 01:56:40 UTC
From: paulson58@juno.com
Topic: 1495 Message: 1496

Stephanie-

The address is 3317 North Cole rd.
It's in a strip mall on the NW corner of Cole and Ustick.
Last I heard, the meeting was at 2PM. Hobbytown closes at 5 PM.
Can someone confirm this 2 PM start for both of us?

Dan

--- In tvnsp@y..., Stephanie Steele <kc7dba@a...> wrote:
> Please post the address for Hobbytown and the meeting time. I am
going
> to try and make it but I was unable to purchase parachute materials.
>
> --
> Stephanie
>
> ********************************
>
> "They that can give up essential liberty to obtain a little
temporary
> safety deserve neither liberty nor safety."
>
> Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11,
1773.
>
> "Those who desire to give up freedom in order to gain security will
not
> have, nor do they deserve, either one."
>
> President Thomas Jefferson.
> 1743-1826
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> bonus.
>
> https://www.paypal.com/refer/pal=kc7dba%40arrl.net

1497. Re: [tvnsp] Construction Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-28 02:00:54 UTC
From: Jeff Melanson
Topic: 1495 Message: 1497

Hobbytown

3317 N. Cole
Boise, Idaho
208-376-1942

It is in a small shopping mall on the corner of Cole and Northview.

Meeting time is 2:00 pm.

Jeff KD7INN

Stephanie Steele wrote:
>
> Please post the address for Hobbytown and the meeting time. I am going
> to try and make it but I was unable to purchase parachute materials.
>
> --
> Stephanie
>
> ******************************
>
> "They that can give up essential liberty to obtain a little temporary
> safety deserve neither liberty nor safety."
>
> Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.
>
> "Those who desire to give up freedom in order to gain security will not
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>
> ******************************
>
> Send and receive money safely over the Internet by using PayPal. I use
> it and highly recommend it as a safe and reliable means to conduct
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> bonus.
>
> https://www.paypal.com/refer/pal=kc7dba%40arrl.net
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>

>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

1498. Re: [tvnsp] Re: Construction Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-28 02:04:23 UTC
From: Jeff Melanson
Topic: 1495 Message: 1498

Confirmed it is!

Jeff

paulson58@... wrote:
>
> Stephanie-
>
> The address is 3317 North Cole rd.
> It's in a strip mall on the NW corner of Cole and Ustick.
> Last I heard, the meeting was at 2PM. Hobbytown closes at 5 PM.
> Can someone confirm this 2 PM start for both of us?
>
> Dan
>
> --- In tvnsp@y..., Stephanie Steele <kc7dba@a...> wrote:
> > Please post the address for Hobbytown and the meeting time. I am
> going
> > to try and make it but I was unable to purchase parachute materials.
> >
> > --
> > Stephanie
> >
> > ******************************
> >
> > "They that can give up essential liberty to obtain a little
> temporary
> > safety deserve neither liberty nor safety."
> >
> > Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11,
> 1773.
> >
> > "Those who desire to give up freedom in order to gain security will
> not
> > have, nor do they deserve, either one."
> >
> > President Thomas Jefferson.
> > 1743-1826
> >
> > ******************************
> >
> > Send and receive money safely over the Internet by using PayPal. I
> use
> > it and highly recommend it as a safe and reliable means to conduct
> > business. By using the link below we both will receive a $5 sign up

> > bonus.
> >
> > https://www.paypal.com/refer/pal=kc7dba%40arrl.net
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

1499. HABET mission numbering and RGS

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-28 13:28:19 UTC
From: Ralph Wallio, W0RPK
Topic: 1499 Message: 1499

>
> Ralph, how balloons has SSOL launched? I thought it was 53, but
> I see missing mission numbers
>

HABET web pages start at http://cosmos.ssol.iastate.edu/HABET/ .

I haven't been active with ISGC SSOL and HABET programs on a day-to-day basis for a couple of years but I know they are not concerned about consecutive numbering of actual flown missions. There were several different numbering schemes in the early years as we changed student staffing almost every semester. More recently SSOL and HABET have had much better semester-to-semester and year-to-year continuity.

Current HABET numbering is based on project acceptance and funding. When a project is started it is assigned the next number in sequence and identified as light (L) or heavy (H) or tethered (T). The project develops with this assigned number but, like STS, it could easily fly out of numeric sequence or, in a few cases when funding dried up, not fly at all.

In the early years we called controlled descent capabilities HABET-II but they were more recently renamed RGS, Recovery Guidance System. Along the way RGS capabilities have been the subject of two MS Aeronautical Engineering thesis papers and numerous multi-discipline senior engineering projects. None-the-less as can be seen in their web pages, RGS capabilities are not in routine use.

I encourage you to tackle the very interesting and significant challenges with controlled descent. Everyone that gets involved will learn a great deal regardless of the final outcome. From experience I can say it looks easy on the back of an envelope but years will slip by while dealing with the devil in the details.

TNX es 73 de Ralph Wallio, W0RPK
wallio@...
http://users.crosspaths.net/~wallio

1500. Re: [tvnsp] 600g balloons for $25

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-28 14:21:29 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1494 Message: 1500

I saw those balloons. Kaymont sells 600 gram balloons for about $35. Do we know how old the balloons are? I don't know anything about them or what makes them so expensive originally.

Paul

1501. Re: [tvnsp] Construction Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-28 14:22:42 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1495 Message: 1501

HobbyTown is on the corner of Ustick and Cole. Its at the large strip mall, by the Quilted Bear or some such store.

Paul

1502. Re: [tvnsp] Re: Construction Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-28 14:23:17 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1495 Message: 1502

The meeting begins at 1400 hours, or 2:00 PM for your civies.

Paul

1503. Video Tapes

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-28 14:24:10 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1495 Message: 1503

I have a field trip today, so Jeff, I may be able to stop by around 4:00 to pick up the tapes.

Paul

1504. Analysis of track prediction errors

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-28 16:01:10 UTC
From: Ralph Wallio, W0RPK
Topic: 1504 Message: 1504

Analysis of submissions to Amateur High Altitude Ballooning Records - Touchdown Prediction Closest to Actual Coordinates (see http://users.crosspaths.net/~wallio/records.html) might help us understand our collective track prediction state-of-the-art which results in uncertain payload landing area coordinates and circumstances.

There have been 16 submissions to our - Touchdown Prediction Closest to Actual Coordinates - category for which errors have been calculated and posted as great circle distances between actual and predicted landing coordinates. (The first entry has not been included in following analysis because it resulted from a planned cutdown at only 9,000ft AGL.)

1. Eric Hauber ISU/HABET-L53 26Sep01 10kCC 0.23 Miles
2. Bill All, N3KKM NSTAR-01B 19May01 95kNB 1.24 Miles
3. Mark Conner, N9XTN NSTAR-01B 19May01 95kNB 5.58 Miles
4. Rick von Glahn, N0KKZ EOSS-48 01Apr01 90kNB 8.16 Miles
5. Mark Conner, N9XTN NSTAR-00B 04Nov00 74kNB 10.71 Miles
6. Mark Conner, N9XTN NSTAR-01C 24Jun01 83kNB 10.72 Miles
7. Mark Conner, N9XTN NSTAR-01D 30Jun01 91kNB 11.07 Miles
8. Rick von Glahn, N?KKZ EOSS-46 14Jan01 92kNB 11.24 Miles
9. Rick von Glahn, N0KKZ EOSS-47 25Feb01 93kCC 13.23 Miles
10. Rick von Glahn, N?KKZ EOSS-45 19Nov00 90kNB 13.54 Miles
11. Mark Conner, N9XTN NSBG-NS1-1 28Apr01 77kNB 13.54 Miles
12. Eric Hauber ISU/HABET-L52 15Nov01 90kNB 14.36 Miles
13. Rick von Glahn, N?KKZ EOSS-52 20Oct01 92kNB 16.48 Miles
14. Mark Conner, N9XTN NSTAR-00A 07Oct00 83kNB 16.99 Miles
15. Mark Conner, N9XTN EOSS-44 01Oct00 91kNB 17.53 Miles
16. Rick von Glahn, N?KKZ EOSS-44 01Oct00 91kNB 17.88 Miles

The maximum great circle distance between submitted predictions and actual landing coordinates approaches 18 miles. One way to respond to this prediction performance is to consider this distance as a radius of uncertainty and then selecting a safe landing area 36 miles in diameter. Planners can then place the landing end of a predicted track at the center of this safe area and expect the release end of the predicted track to define launch coordinates required to land in the safe area.

Further analysis of these submissions can give us an even better understanding of the nature and magnitude of prediction error. Mission data associated with these entries can be used to calculate actual and predicted bearings and distances from launch to landing coordinates and then predicted bearing and distance errors.

EOSS-44 (http://www.eoss.org/ansrecap/recap44.htm)
Launch: 39.3347dN 104.5469dW
Landing: 39.0615dN 103.8225dW

Bearing/Distance: 115.72d/43.14 miles
Predict 1: 39.0773dN 103.4898dW
Bearing/Distance 1: 107.11d/59.33 miles
Bearing Error 1: -8.61d
Distance Error 1: +16.19 miles
Predict 2: 38.9970dN 103.5067dW
Bearing/Distance 2: 112.39d/60.41 miles
Bearing Error 2: -3.33d
Distance Error 2: +17.27 miles

NSTAR-00A (http://members.home.net/mconner1/nstar.html)
Launch: 40.8285dN 96.6720dW
Landing: 40.0923dN 94.6352dW
Bearing/Distance: 114.75d/118.54 miles
Predict: 40.0238dN 94.9437dW
Bearing/Distance: 120.89d/106.56 miles
Bearing Error: +6.14d
Distance Error: -11.98 miles

EOSS-52 (http://www.eoss.org/ansrecap/recap52.htm)
Launch: 39.0285?dN 104.2942dW
Landing: 38.9611dN 103.3223dW
Bearing/Distance: 94.79d/52.40 miles
Predict: 38.8412dN 103.0574dW
Bearing/Distance: 100.63d/67.72 miles
Bearing Error: +5.83d
Distance Error: +15.32 miles

HABET-L52 (http://cosmos.ssol.iastate.edu/HABET/)
Launch: 41.0333dN 93.6667dW
Landing: 41.7167dN 93.1833dW
Bearing/Distance: 27.80d/53.46 miles
Predict: 41.6203dN 92.9368dW
Bearing/Distance: 42.80d/55.49 miles
Bearing Error: +15.00d
Distance Error: +2.03 miles

NSBG-NS1-1 (http://www.kcnet.com/~n3kkm/ns1-1.htm)
Launch: 38.6157dN 95.2847dW
Landing: 38.7560dN 95.2601dW
Bearing/Distance: 7.79d/9.78 miles
Predict: 38.5677dN 95.1903dW
Bearing/Distance: 123.02d/6.08 miles
Bearing Error: +115.23d
Distance Error: -3.70 miles

EOSS-45 (http://www.eoss.org/ansrecap/recap45.htm)
Launch: 40.4744dN 104.9628dW
Landing: 39.6123dN 103.8685dW
Bearing/Distance: 135.47d/83.06 miles
Predict: 39.8053dN 103.8247dW

Bearing/Distance: 127.19d/75.84 miles
Bearing Error: -8.27d
Distance Error: -7.22 miles

EOSS-47 (http://www.eoss.org/ansrecap/recap47.htm)
Launch: 40.4744dN 104.9628dW
Landing: 40.7945dN 103.8464dW
Bearing/Distance: 68.94d/62.58 miles
Predict: 40.7938dN 103.5935dW
Bearing/Distance: 72.47d/75.11 miles
Bearing Error: +3.53d
Distance Error: +12.54 miles

EOSS-46 (http://www.eoss.org/ansrecap/recap46.htm)
Launch: 40.4737dN 104.9624dW
Landing: 40.4856dN 104.1717dW
Bearing/Distance: 88.61d/41.56 miles
Predict: 40.4253dN 104.3703dW
Bearing/Distance: 95.94d/31.31 miles
Bearing Error: +7.33d
Distance Error: -10.25 miles

NSTAR-01D (http://members.home.net/mconner1/nstar.html#01D)
Launch: 39.0855dN 96.6557dW
Landing: 38.5330dN 97.0470dW
Bearing/Distance: 209.02d/43.60 miles
Predict: 38.3990dN 97.1592dW
Bearing/Distance: 209.93d/54.65 miles
Bearing Error: +0.91d
Distance Error: +11.04 miles

NSTAR-01C (http://members.home.net/mconner1/nstar.html#01C)
Launch: 41.2303dN 95.6085dW
Landing: 41.0355dN 95.6165dW
Bearing/Distance: 181.77d/13.47 miles
Predict: 40.9280dN 95.4683dW
Bearing/Distance: 160.68d/22.13 miles
Bearing Error: -21.09d
Distance Error: +8.66 miles

NSTAR-00B (http://members.home.net/mconner1/nstar.html#00B)
Launch: 41.3197dN 96.3662dW
Landing: 41.2085dN 95.1954dW
Bearing/Distance: 96.82d/61.29 miles
Predict: 41.0706dN 95.1013dW
Bearing/Distance: 104.25d/67.98 miles
Bearing Error: +7.43d
Distance Error: +6.69 miles

EOSS-48 (http://www.eoss.org/ansrecap/recap48.htm)
Launch: 40.4744dN 104.9628dW
Landing: 40.1586dN 103.1577dW

Bearing/Distance: 102.34d/97.57 miles
Predict: 40.0675dN 103.2561dW
Bearing/Distance: 106.80d/94.27 miles
Bearing Error: +4.46d
Distance Error: -3.30 miles

NSTAR-01B (http://members.home.net/mconner1/nstar.html#01B)
Launch: 41.2225dN 96.3245dW
Landing: 41.1317dN 95.2977dW
Bearing/Distance: 96.36d/53.77 miles
Predict 1: 41.1841dN 95.3794dW
Bearing/Distance: 92.78d/49.20 miles
Bearing Error 1: -3.58d
Distance Error 1: -4.56 miles
Predict 2: 41.1373dN 95.3204dW
Bearing/Distance: 96.10d/52.55 miles
Bearing Error 2: -0.26d
Distance Error 2: -1.22 miles

Bearing and distance errors are then extracted to understand any biases that might reduce the previously discussed 36 mile diameter safe area:

+115.23d
+15.00d
+7.43d
+7.33d
+6.14d
+5.83d
+4.46d
+3.53d
+0.91d

-0.26d
-3.33d
-3.58d
-8.27d
-8.61d
-21.09d

+17.27 miles
+16.19 miles
+15.32 miles
+12.54 miles
+11.04 miles
+8.66 miles
+6.69 miles
+2.03 miles

-1.22 miles
-3.30 miles
-3.70 miles

-4.56 miles
-7.22 miles
-10.25 miles
-11.98 miles

The distribution of bearing errors and distance errors is fairly even across our small sample of record entries. Therefore it does not appear we can reasonably distort the shape of a safe landing area from a circle to an ellipse. There does not appear to be any bias that would support this change.

Finally (sez the reader), we can take consider actual track distance (ATD) vs. great circle error (GCE).

EOSS-44
ATD: 43.14 miles
GCE: 17.88 and 17.53 miles

NSTAR-00A
ATD: 118.54 miles
GCE: 16.99 miles

EOSS-52
ATD: 52.40 miles
GCE: 16.48 miles

HABET-L52
ATD: 53.46 miles
GCE:14.36 miles

NSBG-NS1-1
ATD: 9.78 miles
GCE: 13.54 miles

EOSS-45
ATD: 83.06 miles
GCE: 13.54 miles

EOSS-47
ATD: 62.58 miles
GCE: 13.23 miles

EOSS-46
ATD: 41.56 miles
GCE: 10.25 miles

NSTAR-01D
ATD: 43.60 miles
GCE: 11.07 miles

NSTAR-01C
ATD: 13.47 miles
GCE: 10.72 miles

NSTAR-00B
ATD: 61.29 miles
GCE: 10.71 miles

EOSS-48
ATD: 97.57 miles
GCE: 8.16 miles

NSTAR-01B
ATD: 53.77 miles
GCE: 5.58 and 1.24 miles

The range of GCE/ATD is from roughly 10% to over 100%. There does not appear to be a pattern or other reason to adjust safe landing area radius in relation to predicted track distance.

Based on this analysis I recommend that a safe landing area be defined as a circle with radius equal to our collective worst prediction error or roughly 18 miles. This radius should not be shortened until we have a significant track record of improved prediction skills.

Now the tougher question: What is a safe landing area?

TNX es 73 de Ralph Wallio, W0RPK
wallio@...
http://users.crosspaths.net/~wallio

1505. Chute for display

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-28 16:02:34 UTC
From: paulson58@juno.com
Topic: 1505 Message: 1505

Paul-

Two issues. 1. Can we get a scale determined for a static display stack. I know a few different ones were discussed, but I think I'll only have time to get one size done in the midst of all my other projects.

2. Also in reference to the static display model, Can you come up with a chute? I know the scale will be off if your material is used due to thickness. But, if an Estes Model Rocket chute or something like that is used, the durability will be sacrificed.

Dan

1506. RE: [tvnsp] Parafoils

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-28 16:21:01 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 1506 Message: 1506

No specific data, but is anyone aware that there are also parafoil kites? I have one, but have not yet used it or examined it. Will we be doing any static tests through the "off season" to which I might be able to bring this kite for examination and testing?

Bill B.

1507. Re: [tvnsp] Analysis of track prediction errors

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-28 16:48:26 UTC
From: Mark Conner
Topic: 1504 Message: 1507

I'll add my two cents' worth of meteorology to Ralph's analysis.

Wind direction for light-wind conditions is more difficult for the forecast models to predict than the direction of stronger winds. So, if you have a wind profile that produces a short distance, the azimuth error becomes greater.

As the winds become stronger, the direction error is reduced but the speed error increases. The two errors offset one another in such a fashion that something close to a circle is probably the best approximation of the error distribution.

It would be interesting to see Ralph's prediction data graphically in a downtrack-relative plot. The forecast landing would be at the center of the plot, and the azimuth from launch to landing would be up. The actual landing relative to the forecast would be plotted. This would show the left/right and near/far distribution of the actual landings relative to the forecasts. This might show whether an ellipse with the major axis along the flight path is better or not.

73 de Mark N9XTN

1508. Where's the TV?

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-28 17:23:24 UTC
From: n1ltv@yahoo.com
Topic: 1481 Message: 1508

> TV runs in that broad valley that pretty much follows
> the Snake River and runs from the Oregon border ... to
> Mountain Home.

Bill,

That's exactly the description I was looking for, especially
what's considered the east end of TV. Figured it was east
from Oregon along the Snake, but how far was the big question.

Hank

1509. Re: Parafoils

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-28 17:26:35 UTC
From: paulson58@juno.com
Topic: 1506 Message: 1509

Bill-

Yep, I heard Jeff and Paul discussing that some time back. The Parafoil kites I mean. Also, there was some idea's thrown around to do some off season drop testing. My understanding has become that Paul heads up those activities. I've been designing and developing as a Hobbiest for quite a few years. I've gradually steered away from the "complete" do it yourself concept in all instances. My experience in these types of projects is still what I stated in my previous response. Put a little differently, I don't want to spend time or Money re-inventing the wheel. By the time you get it done, you have spent more time and money than if you just went out and bought a pre-made tire. I feel differently when it's time to put an electronic circuit for 35.00 into your project. If you can make it for a 5 or 10 dollar handful of parts, it's always better to make your own. You can tweak it to your own specs as well. I also have no trouble dumping your all into a project that you feel driven to do. I learn and take away valuable experience and knowledge. In this case though, there is a body of knowledge, thats been collected for years, out there on Parafoils. How they work and what to do to it to make it work for you. If we spent the next year and 2000 dollars in material, helium and Balloons, plus many man hours of testing, we could only hope to be where those parafoil companies already are. I consider that both expensive, and slow moving. A quick disclaimer though. Thats just me. My interest simply isn't there, but someone elses may be. I would encourage any efforts to get the NSRV as a reality. At this point, I see there is no commercialy available guideance and control system to do the job. Thats what appeals to me. A comment made just a few messages ago states, it's easy on paper, but may take years to do. (Or words to that effect) I agree. I have no problem with helping out in some way. But the guideance system is the real problem. I also won't participate in parachute testing unless some changes are made in the location at the very least. Someone may emerge in this group that feels a drive to learn and make parafoils. You have my full support and I will do what I can to help you succeed. When I weigh what I know of my time, skills and interest, I'm simply not the best person for that task. I don't see anyone else ringing in on this.

Maybe someone can find plans on how to make one, and what size to make it for a given load weight.

Dan

> No specific data, but is anyone aware that there are also parafoil kites? I
> have one, but have not yet used it or examined it. Will we be doing

any
> static tests through the "off season" to which I might be able to
bring this
> kite for examination and testing?
>
> Bill B.

1510. Re: [tvnsp] Where's the TV?

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-28 17:46:15 UTC
From: James R. Johnson
Topic: 1481 Message: 1510

Don't know if anyone cares, but the Treasure Valley used to be called the "Lower Snake River Valley" in school athletic conferences, etc., until a Chamber of Commerce or two got into the act, and decided it should be referred to as the Treasure Valley. The former name has all but disappeared, except as a geographic description.

----- Original Message -----
From: <n1ltv@...>
To: <tvnsp@yahoogroups.com>
Sent: Wednesday, November 28, 2001 10:23 AM
Subject: [tvnsp] Where's the TV?

> > TV runs in that broad valley that pretty much follows
> > the Snake River and runs from the Oregon border ... to
> > Mountain Home.
>
> Bill,
>
> That's exactly the description I was looking for, especially
> what's considered the east end of TV. Figured it was east
> from Oregon along the Snake, but how far was the big question.
>
> Hank
>
>
>
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>
>
>
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>
>

1511. Capsule photos

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-28 20:04:08 UTC
From: Tim Rynearson
Topic: 1511 Message: 1511
Attachments: 1 described; binary payloads are missing from this source WARC

Paul,
Just wondering if you got the photos of the capsule that I sent out Monday.

Tim...

1512. Re: [tvnsp] Video Tapes

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-28 20:32:47 UTC
From: Jeff Melanson
Topic: 1484 Message: 1512

Paul,

Considering the snowy weather the tapes will inside. Someone will be
home when you come by to pick them up.

Jeff

verhap@... wrote:
>
> I have a field trip today, so Jeff, I may be able to stop by around
> 4:00 to pick up the tapes.
>
> Paul
>
>
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>
>
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1513. Re: [tvnsp] Chute for display

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-28 22:16:13 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1505 Message: 1513

> Two issues. 1. Can we get a scale determined for a static display
> stack. I know a few different ones were discussed, but I think I'll
> only have time to get one size done in the midst of all my other
> projects.

How about 25 to 1? That would make the stack 2 feet tall.

>
> 2. Also in reference to the static display model, Can you come up
> with a chute? I know the scale will be off if your material is used
> due to thickness. But, if an Estes Model Rocket chute or something
> like that is used, the durability will be sacrificed.

I'll build the 'chute. Let me know the cale you want.

Paul

1514. Tim's Photos

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-28 22:27:49 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1514 Message: 1514

Tim, I got your photos. They're stored on my PC until I update the webpage.

Paul

1515. Re: Chute for display

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-28 22:33:21 UTC
From: paulson58@juno.com
Topic: 1505 Message: 1515

That is very small eh? You mean two feet including the haul line and Balloon included? I don't know the size of your full scale capsules, But I'm thinking this will put the model size at less than an inch square. Are we in the same camp here?

Dan

--- In tvnsp@y..., verhap@o... wrote:
> > Two issues. 1. Can we get a scale determined for a static display
> > stack. I know a few different ones were discussed, but I think I'll
> > only have time to get one size done in the midst of all my other
> > projects.
>
> How about 25 to 1? That would make the stack 2 feet tall.
>
> >
> > 2. Also in reference to the static display model, Can you come up
> > with a chute? I know the scale will be off if your material is used
> > due to thickness. But, if an Estes Model Rocket chute or something
> > like that is used, the durability will be sacrificed.
>
> I'll build the 'chute. Let me know the cale you want.
>
> Paul

1516. Re: [tvnsp] Re: Chute for display

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-28 22:30:04 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1505 Message: 1516

> That is very small eh? You mean two feet including the haul line and
> Balloon included? I don't know the size of your full scale capsules,
> But I'm thinking this will put the model size at less than an inch
> square. Are we in the same camp here?

A one cubic inch capsule would be at a scale of 12 to 1. The total
height of a stack is about 50 feet.

Paul

1517. CC/PS Documentation

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-29 17:04:19 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1517 Message: 1517
Attachments: 2 described; binary payloads are missing from this source WARC

I'm attaching a MS Word document. This is the instructions for making the CC/PS. Eventually it will become a chapter in my book. It's fairly complete and will tell you want you need to make the CC/PS.

Any inputs?

Paul

1518. Re: Analysis of track prediction errors

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-29 21:27:27 UTC
From: Ralph Wallio, W0RPK
Topic: 1504 Message: 1518
Attachments: 1 described; binary payloads are missing from this source WARC

>
> I have completed a downtrack-relative plot and sent it off to Mark for his
> comments. I will send you the final result.
>

A downtrack-relative plot is attached. It was created by laying out all predictions along the same line from launch (launch position shown for orientation but is to scale only for EOSS-44(1). Prediction distances were plotted to scale along this common line. Actual distances were also plotted along this common line but then swung north or south by differences between predicted and actual bearings. Finally, prediction and actual plots were locked to each other and then moved east or west so that all predictions are at the same point (the bull's eye).

This small sample shows a slight bias up and left from the common prediction point (Mark comments that the LEFT part, e.g., landing short of prediction, may be due to our collective bias towards overfilling). This slight bias might almost disappear if we had a larger sample. I know of no reason for the UP part.

This plot displays the same data I previously sent but it's visual nature may be of some value for mission planning. I still do not detect a rationale for safe areas to be other than a circle and it appears the radius should approach 20 miles. Here in Iowa a safe area of this magnitude would cover most of four counties including four county seats, several small towns and hundreds of miles of high tension lines. However, when looking down from aloft far less than 1% of surface area is anything other than open agricultural fields and pastures.

TNX es 73 de Ralph Wallio, W0RPK
wallio@...
http://users.crosspaths.net/~wallio

1519. Re: PCB's

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-29 21:46:05 UTC
From: paulson58@juno.com
Topic: 1049 Message: 1519

Tim-

Does this offer still stand? I have some parts for experimenting with
on technology for the NSRV. I could use your help with some SMC's.

Dan

> Paul and the group....
> If you need someone to do soldering on surface mount, I work at
Computrol, where we build PCB's that are heavily populated with VERY
small surface mount parts, sometimes so small that they can only be
soldered under a microscope, and I am one of only three in the plant
that is certified for hand-soldering these parts......
>
> Tim, N7UBO........
>
> -------Original Message-------
>
> From:verhap@o...
> Date: Saturday, November 03, 2001 02:20:50 PM
> To:tvnsp@y...
> Subject: Re: [tvnsp] PCB's
>
> > Have you tried your photo technique on PCB's that use SMC's?
> > I've never etched anything that small by hand but would like to
> > try some smaller packages for future use.
> > Dan
>
> It should work on SMCs. I can make fine lines.
>
> Paul
>
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1520. Re: [tvnsp] Re: PCB's

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-30 11:24:37 UTC
From: Tim Rynearson
Topic: 1049 Message: 1520
Attachments: 1 described; binary payloads are missing from this source WARC

Sure thing, Dan....just bring what ya got to Sundays gathering, if you're coming, and I'll take it from there....

Tim....

-------Original Message-------

From:paulson58@...
Date: Thursday, November 29, 2001 02:44:31 PM
To:tvnsp@yahoogroups.com
Subject: [tvnsp] Re: PCB's

Tim-

Does this offer still stand? I have some parts for experimenting with on technology for the NSRV. I could use your help with some SMC's.

Dan

> Paul and the group....
> If you need someone to do soldering on surface mount, I work at Computrol, where we build PCB's that are heavily populated with VERY small surface mount parts, sometimes so small that they can only be soldered under a microscope, and I am one of only three in the plant that is certified for hand-soldering these parts......
>
> Tim, N7UBO........
>
> -------Original Message-------
>
> From:verhap@o...
> Date: Saturday, November 03, 2001 02:20:50 PM
> To:tvnsp@y...
> Subject: Re: [tvnsp] PCB's
>
> > Have you tried your photo technique on PCB's that use SMC's?
> > I've never etched anything that small by hand but would like to
> > try some smaller packages for future use.
> > Dan
>
> It should work on SMCs. I can make fine lines.
>
> Paul
>
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1521. Sunday Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-30 15:05:21 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1521 Message: 1521

Don't forget the next meeting this Sunday, 2:00 PM, HobbyTown.

We'll start on parachute design as our first lesson. For those of
you not working on 'chutes, we'll get you started on airframe design.

The Basic Stamp lesson will be on the physical layout of the BS-2,
it's electronic layout, and the structure of bits, nybbles, bytes, and
words. After this lesson you will be able point out the pins and
their functions, how to define variables, and know what is their
maximium number.

Paul

1522. Re: PCB's

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-30 15:51:31 UTC
From: paulson58@juno.com
Topic: 1049 Message: 1522

Tim-

Actually what I have is a little odd. I have a few 8 pin suface mount chips. I need to breadboard a design but need these to be in a standard Dip package. .3 row spacind with .1 pin spacing. Are there carrier sockets or can you think of another way I can use them.

Dan

> Sure thing, Dan....just bring what ya got to Sundays gathering, if you're coming, and I'll take it from there....
>
> Tim....
>
> -------Original Message-------
>
> From:paulson58@j...
> Date: Thursday, November 29, 2001 02:44:31 PM
> To:tvnsp@y...
> Subject: [tvnsp] Re: PCB's
>
> Tim-
>
> Does this offer still stand? I have some parts for experimenting with
> on technology for the NSRV. I could use your help with some SMC's.
>
> Dan
>
>
>
> > Paul and the group....
> > If you need someone to do soldering on surface mount, I work at
> Computrol, where we build PCB's that are heavily populated with VERY
> small surface mount parts, sometimes so small that they can only be
> soldered under a microscope, and I am one of only three in the plant
> that is certified for hand-soldering these parts......
> >
> > Tim, N7UBO........
> >
> > -------Original Message-------
> >
> > From:verhap@o...
> > Date: Saturday, November 03, 2001 02:20:50 PM

> > To:tvnsp@y...
> > Subject: Re: [tvnsp] PCB's
> >
> > > Have you tried your photo technique on PCB's that use SMC's?
> > > I've never etched anything that small by hand but would like to
> > > try some smaller packages for future use.
> > > Dan
> >
> > It should work on SMCs. I can make fine lines.
> >
> > Paul
> >
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1523. HS1101 Humidity Sensors

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-30 17:11:26 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1523 Message: 1523

My Dallas Semi email list has sent this message out. I'm looking
for more info, but I'd like to let everyone know. I can get some RH
sensors, but only in lots of 20. Is anyone interested in getting
one? I plan to send one up in a balloon, after I read the data sheet.

Paul

------- Forwarded Message Follows -------
Send reply to: "Shyam" <robotics@...>
From: "robotics" <robotics@...>
To: <VERHAP@...>
Subject: Re: [TINI] HS1101 Humidity Sensors
Date sent: Fri, 30 Nov 2001 20:41:34 +0530
Organization: Sensors Technology Pvt. Ltd.

These are industries best sensors I have ever used for environmental
humidity measurement and I don't think anyone can give at better price then
offered by me.

I can't ship less than 20 as they are already packed up for delivery. There
are 10000 sensors in total for this 50% reduced cost shipment scheme. HS1101
is offered at only $120 for 20 sensors. You also order now and pay after you
get them. What else could be better. Datasheet and application notes are
also packed with the sensors. Other information available at
www.humirel.com/

I love these sensors and hope others will love them using as well. I am not
the manufacturer of these sensors, Humirel (which has Motorolla Engineers)
is the manufacturer.

Shyam Sunder Tiwari, Ph.D. Physics, M.Sc. B.Sc. DRP
Electronics Design Engineer and Managing Director
Sensors Technology Private Limited
AM-51, Deen Dayal Nagar, Gwalior, MP 474020, India
Fax: 0091-751-545716 Tel: 0091-751-470680
Email: robotics@...
http://sensorstechnology.tripod.com/

----- Original Message -----
From: <VERHAP@...>
To: <robotics@...>
Sent: Friday, November 30, 2001 8:20 PM
Subject: Re: [TINI] HS1101 Humidity Sensors

> I've never heard of these sensors. Where can I get more info?
> also, I'd only need one or two of them, how do we purchase fewer
> of them?

>
> Paul
>
> > If some of you wish to experiment with HS1101 humirel humidity sensors
then
> > book them now. These are $120 for 20 sensors and you pay after you get
them.
> > Those interested need to provide complete mailing address to me. More
detail
> > on the sensor is at www.humirel.com/
> >
> > Shyam Sunder Tiwari, Ph.D. Physics, M.Sc. B.Sc. DRP
> > Electronics Design Engineer and Managing Director
> > Sensors Technology Private Limited
> > AM-51, Deen Dayal Nagar, Gwalior, MP 474020, India
> > Fax: 0091-751-545716 Tel: 0091-751-470680
> > Email: robotics@...
> > http://sensorstechnology.tripod.com/
> >
> > We provide technology worth the value of your money.
> > ================ have a nice time ==================
> > // Rs.100 Lacs PO gets an AC car free from Sensors Technology \\
> > \\ Rs.25 Lacs PO gets a Pentium free from Sensors Technology //
> >
> >
> > _____
> > TINI mailing list
> > TINI@...
> > To UNSUBSCRIBE, edit your profile, or see list archives:
> > http://lists.dalsemi.com/mailman/listinfo/tini
>
>

1524. RE: [tvnsp] Re: Parafoils

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-30 18:22:15 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 1506 Message: 1524

Jeff,

I agree with you, especially wrt re-inventing the wheel. Like you, it's the electronics and controls I'm more interested in at this point. I'd like to learn something about the parafoils themselves, which actually is a necessity in learning to control them anyway. I often take the cost approach: can I make it as well for less? If not, purchase the darn thing and study it and use it. If I can, investigate and make my own, if time allows me to do so. Of course, there are some things that are better understood and utilized if you build them yourself.

BTW, regarding my comment about the location of Hobbytown, I take that back. I was thinking of a different hobby store over by the Boise Towne Square Mall. Just found out that ain't it. :-P

Bill B.

> -----Original Message-----
> From: paulson58@... [mailto:paulson58@...]
> Sent: Wednesday, November 28, 2001 10:27 AM
> To: tvnsp@yahoogroups.com
> Subject: [tvnsp] Re: Parafoils
>
>
> Bill-
>
> Yep, I heard Jeff and Paul discussing that some time back. The
> Parafoil kites I mean. Also, there was some idea's thrown around to
> do some off season drop testing. My understanding has become that
> Paul heads up those activities. I've been designing and developing as
> a Hobbiest for quite a few years. I've gradually steered away from
> the "complete" do it yourself concept in all instances. My experience
> in these types of projects is still what I stated in my previous
> response. Put a little differently, I don't want to spend time or
> Money re-inventing the wheel. By the time you get it done, you have
> spent more time and money than if you just went out and bought a pre-
> made tire. I feel differently when it's time to put an electronic
> circuit for 35.00 into your project. If you can make it for a 5 or 10
> dollar handful of parts, it's always better to make your own. You can
> tweak it to your own specs as well. I also have no trouble dumping
> your all into a project that you feel driven to do. I learn and take
> away valuable experience and knowledge. In this case though, there is
> a body of knowledge, thats been collected for years, out there on
> Parafoils. How they work and what to do to it to make it work for
> you. If we spent the next year and 2000 dollars in material, helium
> and Balloons, plus many man hours of testing, we could only hope to

> be where those parafoil companies already are. I consider that both
> expensive, and slow moving. A quick disclaimer though. Thats just me.
> My interest simply isn't there, but someone elses may be. I would
> encourage any efforts to get the NSRV as a reality. At this point, I
> see there is no commercialy available guideance and control system to
> do the job. Thats what appeals to me. A comment made just a few
> messages ago states, it's easy on paper, but may take years to do.
> (Or words to that effect) I agree. I have no problem with helping out
> in some way. But the guideance system is the real problem. I also
> won't participate in parachute testing unless some changes are made
> in the location at the very least. Someone may emerge in this group
> that feels a drive to learn and make parafoils. You have my full
> support and I will do what I can to help you succeed. When I weigh
> what I know of my time, skills and interest, I'm simply not the best
> person for that task. I don't see anyone else ringing in on this.
>
> Maybe someone can find plans on how to make one, and what size to
> make it for a given load weight.
>
> Dan
>
>
>
> > No specific data, but is anyone aware that there are also parafoil
> kites? I
> > have one, but have not yet used it or examined it. Will we be doing
> any
> > static tests through the "off season" to which I might be able to
> bring this
> > kite for examination and testing?
> >
> > Bill B.
>
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1525. Re: [tvnsp] Re: PCB's

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-30 19:43:49 UTC
From: Tim Rynearson
Topic: 1049 Message: 1525
Attachments: 1 described; binary payloads are missing from this source WARC

Dan,
We've got some thru-hole sockets that are for surface mount, but not the other way around. We have taken surface mount parts and created daughter boards with thru-hole pins, and that gets pretty involved, but it can be done. And even with .01 lead spacing.

Tim

-------Original Message-------

From:paulson58@...
Date: Friday, November 30, 2001 08:49:45 AM
To:tvnsp@yahoogroups.com
Subject: [tvnsp] Re: PCB's

Tim-

Actually what I have is a little odd. I have a few 8 pin suface
mount chips. I need to breadboard a design but need these to be
in a standard Dip package. .3 row spacind with .1 pin spacing. Are
there carrier sockets or can you think of another way I can use them.

Dan

> Sure thing, Dan....just bring what ya got to Sundays gathering, if
you're coming, and I'll take it from there....
>
> Tim....
>
> -------Original Message-------
>
> From:paulson58@j...
> Date: Thursday, November 29, 2001 02:44:31 PM
> To:tvnsp@y...
> Subject: [tvnsp] Re: PCB's
>
> Tim-
>
> Does this offer still stand? I have some parts for experimenting
with
> on technology for the NSRV. I could use your help with some SMC's.
>
> Dan
>
>
>
> > Paul and the group....

> > If you need someone to do soldering on surface mount, I work at
> Computrol, where we build PCB's that are heavily populated with
VERY
> small surface mount parts, sometimes so small that they can only be
> soldered under a microscope, and I am one of only three in the
plant
> that is certified for hand-soldering these parts......
> >
> > Tim, N7UBO........
> >
> > -------Original Message-------
> >
> > From:verhap@o...
> > Date: Saturday, November 03, 2001 02:20:50 PM
> > To:tvnsp@y...
> > Subject: Re: [tvnsp] PCB's
> >
> > > Have you tried your photo technique on PCB's that use SMC's?
> > > I've never etched anything that small by hand but would like to
> > > try some smaller packages for future use.
> > > Dan
> >
> > It should work on SMCs. I can make fine lines.
> >
> > Paul
> >
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1526. Re: PCB's

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-11-30 21:36:54 UTC
From: paulson58@juno.com
Topic: 1049 Message: 1526

Tim-

OK Thanks. It was just an outside shot anyway. I knew it was a fairly goofy request. I'll look around and come up with a solution.

Dan

> Dan,
> We've got some thru-hole sockets that are for surface mount, but not the other way around. We have taken surface mount parts and created daughter boards with thru-hole pins, and that gets pretty involved, but it can be done. And even with .01 lead spacing.
>
> Tim
>
> -------Original Message-------
>
> From:paulson58@j...
> Date: Friday, November 30, 2001 08:49:45 AM
> To:tvnsp@y...
> Subject: [tvnsp] Re: PCB's
>
> Tim-
>
> Actually what I have is a little odd. I have a few 8 pin suface
> mount chips. I need to breadboard a design but need these to be
> in a standard Dip package. .3 row spacind with .1 pin spacing. Are
> there carrier sockets or can you think of another way I can use them.
>
> Dan
>
> > Sure thing, Dan....just bring what ya got to Sundays gathering, if
> you're coming, and I'll take it from there....
> >
> > Tim....
> >
> > -------Original Message-------
> >
> > From:paulson58@j...
> > Date: Thursday, November 29, 2001 02:44:31 PM
> > To:tvnsp@y...
> > Subject: [tvnsp] Re: PCB's
> >
> > Tim-

> >
> > Does this offer still stand? I have some parts for experimenting
> with
> > on technology for the NSRV. I could use your help with some SMC's.
> >
> > Dan
> >
> >
> >
> > > Paul and the group....
> > > If you need someone to do soldering on surface mount, I work at
> > Computrol, where we build PCB's that are heavily populated with
> VERY
> > small surface mount parts, sometimes so small that they can only
be
> > soldered under a microscope, and I am one of only three in the
> plant
> > that is certified for hand-soldering these parts......
> > >
> > > Tim, N7UBO........
> > >
> > > -------Original Message-------
> > >
> > > From:verhap@o...
> > > Date: Saturday, November 03, 2001 02:20:50 PM
> > > To:tvnsp@y...
> > > Subject: Re: [tvnsp] PCB's
> > >
> > > > Have you tried your photo technique on PCB's that use SMC's?
> > > > I've never etched anything that small by hand but would like
to
> > > > try some smaller packages for future use.
> > > > Dan
> > >
> > > It should work on SMCs. I can make fine lines.
> > >
> > > Paul
> > >
> > > To unsubscribe from this group, send an email to:
> > > tvnsp-unsubscribe@egroups.com
> > >
> > >
> > >
> > > Your use of Yahoo! Groups is subject to
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> >
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> tvnsp-unsubscribe@egroups.com
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>
> Your use of Yahoo! Groups is subject to
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1527. Re: [tvnsp] Sunday Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-02 03:58:57 UTC
From: Bill Herrmann
Topic: 1521 Message: 1527

At 08:05 AM 11/30/01 -0700, you wrote:
>Don't forget the next meeting this Sunday, 2:00 PM, HobbyTown.

Anybody recall how long the meeting is projected to be? BTW if you are running APRS I posted an object for HobbyTown to make it easier to find.

What do we need to bring?

Bill

1528. Re: [tvnsp] Sunday Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-02 13:39:49 UTC
From: Randy Farley
Topic: 1521 Message: 1528

Bill

Thanks for the posting of Hobbytown on APRS. I would have ended up on Milwaukee where there is ? or used to be a hobby store. Used to visit it when i was into RC flying. Being an out-of-towner this really helps.

I believe it was mentioned that it could run from 2-5 pm. That is when the store closes on Sunday? With the agenda proposed by Paul,sounds like it could run that long.

Look forward to seeing some new faces and talent.

Bill Herrmann wrote:
>
> At 08:05 AM 11/30/01 -0700, you wrote:
> >Don't forget the next meeting this Sunday, 2:00 PM, HobbyTown.
>
> Anybody recall how long the meeting is projected to be? BTW if you are
> running APRS I posted an object for HobbyTown to make it easier to find.
>
> What do we need to bring?
>
> Bill
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

--
Regards,
Randy Farley
N7GPS -Ham Call-
My Home at: http://map.findu.com/n7gps
Find my pickup at: http://map.findu.com/n7gps-9
Also see daily weather radar reports for my location at:
(scroll to bottom of page)
http://www.findu.com/cgi-bin/find.cgi?call=n7gps&radar=CBX

1529. Re: Sunday Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-02 15:36:43 UTC
From: paulson58@juno.com
Topic: 1521 Message: 1529

My understanding is we will first cover Construction techniques. Parachute and Capsule both. Paul said he was going to bring some foam. Next is a starter section on the Parallax BASIC Stamp. Jeff and Paul were going to bring Laptop's and some programming materials. The Stamp is used not only on the capsule's, but is a very popular processor for Hobbiest Robotic, Light industrial, Science, Cyber art, you name it. I am a newcomer to this but will have a couple of small wheeled Robots for demo. It should be good Material to get newcomers to BASIC language processors started.

Dan

--- In tvnsp@y..., Randy Farley <rdfarley@f...> wrote:
> Bill
>
> Thanks for the posting of Hobbytown on APRS. I would have ended up on
> Milwaukee where there is ? or used to be a hobby store. Used to visit it
> when i was into RC flying. Being an out-of-towner this really helps.
>
> I believe it was mentioned that it could run from 2-5 pm. That is when
> the store closes on Sunday? With the agenda proposed by Paul,sounds like
> it could run that long.
>
> Look forward to seeing some new faces and talent.
>
> Bill Herrmann wrote:
> >
> > At 08:05 AM 11/30/01 -0700, you wrote:
> > >Don't forget the next meeting this Sunday, 2:00 PM, HobbyTown.
> >
> > Anybody recall how long the meeting is projected to be? BTW if you are
> > running APRS I posted an object for HobbyTown to make it easier to find.
> >
> > What do we need to bring?
> >
> > Bill
> >
> >
> > To unsubscribe from this group, send an email to:

> > tvnsp-unsubscribe@egroups.com
> >
> >
> >
> > Your use of Yahoo! Groups is subject to
http://docs.yahoo.com/info/terms/
>
> --
> Regards,
> Randy Farley
> N7GPS -Ham Call-
> My Home at: http://map.findu.com/n7gps

> Find my pickup at: http://map.findu.com/n7gps-9
> Also see daily weather radar reports for my location at:
> (scroll to bottom of page)
> http://www.findu.com/cgi-bin/find.cgi?call=n7gps&radar=CBX

1530. Re: [tvnsp] Sunday Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-02 18:39:57 UTC
From: Bill Herrmann
Topic: 1521 Message: 1530

At 06:39 AM 12/2/01 -0700, you wrote:
>Thanks for the posting of Hobbytown on APRS. I would have ended up on
>Milwaukee where there is ? or used to be a hobby store. Used to visit it
>when i was into RC flying. Being an out-of-towner this really helps.

Same hobby store - they moved a couple years ago.

Bill

1531. Basic Stamp Order

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-03 03:41:29 UTC
From: Stephanie Steele
Topic: 1531 Message: 1531

Hi Paul,
If I understand correctly you can order the BOE but not the BS2P Chip on the educational discount. The part number for the BOE is 28102 and is priced at $109.00 and the BS2P24-IC is $79.00. Please send me the total that I need to send you and I'll get payment on the way. Maybe I can have it before our next meeting. Thanks!
Great meeting tonight!
--
Stephanie
****
"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."
Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.
"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."
President Thomas Jefferson.
1743-1826
****
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https://www.paypal.com/refer/pal=kc7dba%40arrl.net

1532. Paul makes the big time !!!! ;-)

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-03 15:24:56 UTC
From: Stephanie Steele
Topic: 1532 Message: 1532

** Check out an entertaining article about Amateur Radio ballooning
at: http://www.weatherwise.org/01nd.cutlip.html. -MN News

http://www.weatherwise.org/01nd.cutlip.html
--
Stephanie
****
"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."
Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.
"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."
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both will receive a $5 sign up bonus.
https://www.paypal.com/refer/pal=kc7dba%40arrl.net

1533. Re: [tvnsp] Paul makes the big time !!!! ;-)

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-03 16:44:18 UTC
From: Craig Brunson
Topic: 1532 Message: 1533

Bob-

You will like this article.

Craig
----- Original Message -----
From: Stephanie Steele
To: tvnsp@yahoogroups.com
Sent: Monday, December 03, 2001 7:24 AM
Subject: [tvnsp] Paul makes the big time !!!! ;-)

** Check out an entertaining article about Amateur Radio ballooning
at: http://www.weatherwise.org/01nd.cutlip.html. -MN News

http://www.weatherwise.org/01nd.cutlip.html

--
Stephanie

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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1534. Re: [tvnsp] Paul makes the big time !!!! ;-)

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-03 16:45:22 UTC
From: Craig Brunson
Topic: 1532 Message: 1534

Sorry-, I sent it to the wrong group
Craig
----- Original Message -----
From: Craig Brunson
To: tvnsp@yahoogroups.com
Sent: Monday, December 03, 2001 8:44 AM
Subject: Re: [tvnsp] Paul makes the big time !!!! ;-)

1535. It's hell getting old

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-03 16:48:17 UTC
From: Stephanie Steele
Topic: 1535 Message: 1535

Darn!
Paul, please remind me what our assignment was. I somehow didn't get it written down. I know it was to write 4 somethings in basic but I don't remember what. :-(
I could have done this privately but I prefer public humiliation when at all possible. ;-)
--
Stephanie
****
"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."
Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.
"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."
President Thomas Jefferson.
1743-1826
****
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1536. Humidity Sensors

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-01 16:31:46 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1536 Message: 1536

I got word back, the cost for the sensors includes shipping. So your cost is only $6 per sensor. Threse are capacitors that are sensitive to the RH. A RC circuit using the RCTIME command can be used to determine the RH. Also, you can hook them up to a 555 and use the COUNT command to determine RH.

I don't pay for these until I receive them. Once I get them in the mail, I'll ask for your checks.

So far Ralph, Mark, Bill, and Hank have saked for some. I'll keep four of the 20 for myself.

Paul

1537. Re: [tvnsp] Humidity Sensors

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-03 19:18:48 UTC
From: Doug Rich
Topic: 1536 Message: 1537

Put me down for a couple.

Doug

At 09:31 AM 12/1/01 -0700, you wrote:
>I got word back, the cost for the sensors includes shipping. So
>your cost is only $6 per sensor. Threse are capacitors that are
>sensitive to the RH. A RC circuit using the RCTIME command can
>be used to determine the RH. Also, you can hook them up to a
>555 and use the COUNT command to determine RH.
>
>I don't pay for these until I receive them. Once I get them in the
>mail, I'll ask for your checks.
>
>So far Ralph, Mark, Bill, and Hank have saked for some. I'll keep
>four of the 20 for myself.
>
>Paul
>
>
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>
>
>
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1538. Re: [tvnsp] Humidity Sensors

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-03 20:25:09 UTC
From: Mike Garske
Topic: 1536 Message: 1538

Paul,
Put me down for 2 sensors.....Thanks!

Mike KC7DPD

1539. Homework

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-03 20:54:16 UTC
From: Jeff Melanson
Topic: 1539 Message: 1539

Paul,

What happens to the comments in a BASIC stamp program?

For our homework you asked us to add comments. Do these comments use up memory? I'm assuming that they are not sent to the BASIC stamp because you can't retrieve them anyway. They probably stay in the editor only.

Jeff

1540. GPS-35 LVS source

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-04 04:00:50 UTC
From: Mark Conner
Topic: 1540 Message: 1540

I stumbled into a good source of Garmin GPS-35LVS units.
http://www.cdw.com/shop/products/default.asp?EDC=338585

Price is $159.74, about $20 or so less than the next lowest source I could find.

73 de Mark N9XTN

Mark D. Conner
E-mail: n9xtn@...
Homepage: http://members.home.net/mconner1
"Arrogance and stupidity, all in the same package.....how efficient of you!" - Ambassador Londo Mollari, Babylon 5

1541. It's hell getting old]

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-05 14:43:05 UTC
From: Stephanie Steele
Topic: 1541 Message: 1541

Darn!
Paul, please remind me what our assignment was. I somehow didn't get it written down. I know it was to write 4 somethings in basic but I don't remember what. :-(
I could have done this privately but I prefer public humiliation when at all possible. ;-)
--
Stephanie
****
"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."
Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.
"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."
President Thomas Jefferson.
1743-1826
****
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1542. Basic Stamp Order]

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-05 14:44:47 UTC
From: Stephanie Steele
Topic: 1542 Message: 1542
Attachments: 2 described; binary payloads are missing from this source WARC

Hi Paul,
If I understand correctly you can order the BOE but not the BS2P Chip on the educational discount. The part number for the BOE is 28102 and is priced at $109.00 and the BS2P24-IC is $79.00. Please send me the total that I need to send you and I'll get payment on the way. Maybe I can have it before our next meeting. Thanks!
Great meeting tonight!
--
Stephanie
****
"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."
Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.
"Those who desire to give up freedom in order to gain security will not
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President Thomas Jefferson.
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****
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1543. Paul can't send email.

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-06 08:00:26 UTC
From: Jeff Melanson
Topic: 1543 Message: 1543

Hi all,

Paul has been getting our email but he is unable to send any out.

Jeff
KD7INN

1544. Re: Paul can't send email.

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-06 15:57:18 UTC
From: n1ltv
Topic: 1543 Message: 1544

Jeff,

Any idea when that situation might be corrected?

Hank

> Paul has been getting our email but he is unable to
> send any out.

1545. Re: [tvnsp] Re: Paul can't send email.

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-06 16:14:24 UTC
From: Jeff Melanson
Topic: 1543 Message: 1545

Hank,

No, I only know he can recieve email but can't send any. No word on when
it wil be corrected.

Jeff

n1ltv wrote:
>
> Jeff,
>
> Any idea when that situation might be corrected?
>
> Hank
> ----------
>
> > Paul has been getting our email but he is unable to
> > send any out.
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

1546. test

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-06 17:09:29 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1546 Message: 1546

Have I escaped?

Paul

1547. Re: [tvnsp] test

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-06 17:26:25 UTC
From: Jeff Melanson
Topic: 1546 Message: 1547

There you are Paul! Good to see you.

Jeff

verhap@... wrote:
>
> Have I escaped?
>
> Paul
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

1548. Catching Up

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-06 17:23:29 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1548 Message: 1548

Stephanie, the homework is for you to write four lines of code defining four different size varaibles (numeric values). There are four sizes I discussed at class, you have write a varaible for each one. After the command, place a tick (') as a remark delimiter and then write a comment specifying the largest number that can be stored in that variable.

I'll grade this over email.

I've ordered 20 of the RH sensors.

Mark, I'll need your address again. I thought I saved that last time. I suspect the rabbits are hiding things like this from me. I have a copy of the directions and two of the CC/PS boards to send you.

I'll try to get all the video tapes out this weekend. The post office is closed when I get out of school, so this has to wait until Saturday.

The school district suffered a failure of its email server. It looks like that is fixed. But now I can't get out on the web. I was able to read messages, so I heard what you said about me!
;)

Paul

1549. RE: [tvnsp] test

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-06 19:17:32 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 1546 Message: 1549

Nope, you're still snared by TVNSP.

Bill B.

> -----Original Message-----
> From: verhap@... [mailto:verhap@...]
> Sent: Thursday, December 06, 2001 3:09 AM
> To: tvnsp@yahoogroups.com
> Subject: [tvnsp] test
>
>
> Have I escaped?
>
> Paul
>
> ------------------------ Yahoo! Groups Sponsor
> ----------------------~-->
> Quit now for Great
> American Smokeout
> http://us.click.yahoo.com/0vN8tD/9pSDAA/ySSFAA/RGYolB/TM
> ---
> --------~->
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to
> http://docs.yahoo.com/info/terms/
>
>

1550. Catching Up, pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-06 19:18:26 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1550 Message: 1550

I've designed a PCB for the RH sensor. It includes a LM335. so
together you can measure temperature and RH. Once I relearn my
op amps, I'll add a pressure sensor to it.

Mark, can you give us your experience with the BX-24? For the
rest of you out there, the BX-24 is a pin compatiable replacement
for the Basic Stamp 2. My impression is that it is more difficult to
use. I don't know anyone who has switched over from the BS2 to
the BX24.

Paul

1551. BX24 "review"

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-06 20:04:56 UTC
From: Mark Conner
Topic: 1551 Message: 1551

> I've designed a PCB for the RH sensor. It includes a LM335. so
> together you can measure temperature and RH. Once I relearn my
> op amps, I'll add a pressure sensor to it.

I'd be interested in such a board.

>
> Mark, can you give us your experience with the BX-24? For the
> rest of you out there, the BX-24 is a pin compatiable replacement
> for the Basic Stamp 2. My impression is that it is more difficult
> to use. I don't know anyone who has switched over from the BS2 to
> the BX24.

My experience with the BX24 consisted of reading the manual a little bit and in October shipping it off to Parallax for their upgrade offer to a BS2p.

The biggest problem for me was the fact that serial data handling is a pain. In particular, the equivalent of the WAITFOR command would have to be coded myself and data read/written byte by byte, rather than any formatted I/O.

From reading the BX24 list, many people encountered unexpected "traps" where the processor would unexpectedly hang or otherwise act weird. That killed it off right there for me - the last thing I need to worry about is a possibly flaky compiler or processor. The only instability I've ever had with a BS2 is what I think was stray voltage on the ATN line causing uncommanded restarts. I got that cured by grounding it when it's not used.

On the good side, the BX24 had floating-point math capability, more program space, and more variable space. I think it may have had faster execution (but I didn't need that part). But the potential instabilities and the learning curve were too much to cause me to convert.

73 de Mark N9XTN

1552. Hank's Sondes

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-06 21:59:06 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1552 Message: 1552

Hank, do you want to discuss your sonde design? I'm interested in making a line of dropzondes that would transmit single measurements, like temperature. They would be dropped from the near space capsule which would also turn on a tape recorder. Transmissions from the dropzonde would be recorded for 30 minutes then the tape deck would be rewound. Then the capsule plays the tape over the radio. It would be like the Galileo or Cassini, both of which will (or have) dropped atmospheric probes.

I'll design the PCB for the sonde electronics. I'll also start making bodies by vacuum molding polystyrene.

Paul

1553. Brouchure

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-07 00:02:57 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1553 Message: 1553

I've put together a brouchure on amateur near space programs.
The campus will print them up for me in four colors (we have a print
shop here). I'm getting 250 of them. Once I get them back, I'll
pass them out and send some to the midwest groups.

Paul

1554. What's Wrong with Boise Drivers?

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-07 17:26:04 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1554 Message: 1554

&&**#$@$%^%$

It took me 2.5 hours to get to work today!

I spent 10 years in the midwest and they get weather a lot worse
than this. I get the distinct impression that if I built a brick wall
across the interstate, Boise drivers would speed up.

It looks like we had a little bit of black ice on the roads this
morning. The accidents were pretty severe. The few accidents we
had fouled traffic all across Canyon and Ada county.

Thanks for letting me vent.

Paul

1555. RE: [tvnsp] What's Wrong with Boise Drivers?

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-07 18:10:32 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 1554 Message: 1555

Thanks, Paul, for sharing this. I don't feel so bad now about spending an hour and half going from 2 miles west of Linder to Eagle Road this morning.

It isn't the Boise drivers that are at fault, it's all the Californians that moved here. *G&D & running for a hidey hole*

What was bugging me was that at that time there was just wet pavement. Why the heck was the traffic so bad? Was everyone that normally took the freeway now on highway 20/26? Sure seems like it, based on your message.

73 de Bill B.

> -----Original Message-----
> From: verhap@... [mailto:verhap@...]
> Sent: Friday, December 07, 2001 3:26 AM
> To: tvnsp@yahoogroups.com
> Subject: [tvnsp] What's Wrong with Boise Drivers?
>
>
> &&**#$@$%^%$
>
> It took me 2.5 hours to get to work today!
>
> I spent 10 years in the midwest and they get weather a lot worse
> than this. I get the distinct impression that if I built a
> brick wall
> across the interstate, Boise drivers would speed up.
>
> It looks like we had a little bit of black ice on the roads this
> morning. The accidents were pretty severe. The few accidents we
> had fouled traffic all across Canyon and Ada county.
>
> Thanks for letting me vent.
>
> Paul
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to
> http://docs.yahoo.com/info/terms/
>
>

1556. Catchup, 7 Dec

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-07 19:10:21 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1556 Message: 1556

Rick, we have an XL t-shirt. Will that work for you?

Ralph, I have a video tape for you, but no address. Can you email me your address?

Jeff, I need to know what jacks get the resistor and capacitor for the DJ-S11. Can you look at your notes? I also need to know if it's the tip or the ring.

Mark, the PCBs and documentation I'm sending says to use #2 hardware to mount the daughterboards. I've found out that's too large for the MIM. It should read #0. Also, plastic model cement glues polystyrene beds to the PCB. I'm going to recommend that the daughterboards are bolted to the CC/PS PCB with shaped polystyrene beds.

Paul

1557. 73 Magazine

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-07 19:32:19 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1557 Message: 1557

I just read a note by a person who said Wayne Green claims the astronauts could not have gone to the Moon because of radiation levels in the Van Allen Radiation Belts would have fried them.

I believe this is the same Wayne Green who is the editor(?) of 73 magazine. Does anyone know if Wayne thinks like this?

If it's the same, then I guess I'll never pick up anonther 73 again.

Paul

1558. "Son of TinyTrak" as possible MIM/TNC replacement

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-07 19:57:32 UTC
From: Mark Conner
Topic: 1558 Message: 1558

Some of you may have heard of N6BG's TinyTrak kit. This kit is similar to a MIM in that it will transmit APRS positions with a GPS and radio hooked up to it. It doesn't do telemetry, but has other functions the MIM doesn't.

There is some code written by another ham called "Son of TinyTrak". This code can be programmed on to a PIC that will drop in the TinyTrak circuit board. It's kind of like an open-source version of the TinyTrak code.

My thought was a modified version of this code might substitute for a MIM or KPC-3. I'd still like to have something that would work like the transmit side of a KPC-3 in converse mode. This way I can format the data payload with the Basic Stamp however I like - the unit simply adds on the callsign and path in the proper format.

The code is available in the files area of the "TinyTrak" group on Yahoo. I'm not a PIC programmer and my C is pretty rusty. Is there anyone on these groups who would be interested in looking at this? It would seem to me that code capable of functioning as a converse-mode TNC would be useful to several balloon groups.

73 de Mark N9XTN

1559. Re: [tvnsp] "Son of TinyTrak" as possible MIM/TNC replacement

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-07 19:55:38 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1558 Message: 1559

> The code is available in the files area of the "TinyTrak" group on
> Yahoo. I'm not a PIC programmer and my C is pretty rusty. Is there
> anyone on these groups who would be interested in looking at this? It
> would seem to me that code capable of functioning as a converse-mode
> TNC would be useful to several balloon groups.

I'm interested. I'll need to get more info, but I could modify a
CC/PS to use it. I suppose the BS2p would be responsible for all
telemetry.

Paul

1560. Re: [tvnsp] "Son of TinyTrak" as possible MIM/TNC replacement

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-07 20:37:09 UTC
From: Mark Conner
Topic: 1558 Message: 1560

>> The code is available in the files area of the "TinyTrak" group on
>> Yahoo. I'm not a PIC programmer and my C is pretty rusty. Is there
>> anyone on these groups who would be interested in looking at this?
It
>> would seem to me that code capable of functioning as a converse-mode
>> TNC would be useful to several balloon groups.
>
> I'm interested. I'll need to get more info, but I could modify a
> CC/PS to use it. I suppose the BS2p would be responsible for all
> telemetry.
>
> Paul

That's what I'm planning anyway. The BS2P would format the APRS packet
and the telemetry. The TinyTrak would take the serial output, prepend
the callsign and path in the correct AX.25 format, and bang out the
audio tones for the radio. That way you're not locked to someone
else's formatting. We don't need the the overhead of a full TNC
because we're just sending UI frames and we don't care about data
reception.

With the MIM, I think we're taking advantage of a "bug" instead of
a "feature" to get the data out how we want it.

73 de Mark N9XTN

1561. Re: [tvnsp] "Son of TinyTrak" as possible MIM/TNC replacement

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-07 21:55:31 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1558 Message: 1561

Where is Tiny Trak?

If I get some time, I'll do a search, but if someone has an answer right now......

Paul

1562. Re: [tvnsp] "Son of TinyTrak" as possible MIM/TNC replacement

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-07 22:06:21 UTC
From: Craig Brunson
Topic: 1558 Message: 1562

try http://www.byonics.com/

----- Original Message -----
From: <verhap@...>
To: <tvnsp@yahoogroups.com>
Sent: Friday, December 07, 2001 1:55 PM
Subject: Re: [tvnsp] "Son of TinyTrak" as possible MIM/TNC replacement

> Where is Tiny Trak?
>
> If I get some time, I'll do a search, but if someone has an answer
> right now......
>
> Paul
>
>
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>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>

1563. Re: [tvnsp] "Son of TinyTrak" as possible MIM/TNC replacement

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-07 22:10:34 UTC
From: Mark Conner
Topic: 1558 Message: 1563

As well as www.byonics.com, look in the Files area on the TinyTrak group in Yahoo groups (http://groups.yahoo.com/group/TinyTrak). That has info on "Son of Tiny Trak".

I have a TinyTrak for my car right now, and working on a second for a backup beacon.

- Mark

----- Original Message -----
From: <verhap@...>
Date: Friday, December 7, 2001 4:08 pm
Subject: Re: [tvnsp] "Son of TinyTrak" as possible MIM/TNC replacement

> Where is Tiny Trak?
>
> If I get some time, I'll do a search, but if someone has an answer
> right now......
>
> Paul
>
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> ~-->
> Break free. Great
> American Smokeout
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1564. Re: [tvnsp] "Son of TinyTrak" as possible MIM/TNC replacement

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-07 22:16:09 UTC
From: mgray@ess-us.com
Topic: 1558 Message: 1564

TVNSP,

If you're looking for a GPS beacon, I've built one for our balloon group, ANSR - Arizona Near Space Research, in Arizona. It is designed to run from a single lithium (3VDC) for 48 hours, sends $GPGGA/$GPRMC packets, and a plain text telemetry message that shows temperature, battery voltage, and a vertical speed indicator for balloon work. Complete board layout, schematic, and source code are on my web site:

http://www.kd7lmo.net

Good luck with your projects.
73s de KD7LMO

1565. Re: [tvnsp] Hank's Sondes

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-07 22:33:40 UTC
From: Hank Riley
Topic: 1552 Message: 1565

> Hank, do you want to discuss your sonde design?

Paul,

Yes, I could do that, but for the benefit of the list,
you and I are still working on the lift experiment
from the November launch.

Once that experiment is concluded, I can talk about the
expendable SkyQuest controller/transmitter system,
and why that system places a little more burden
on ground stations than a typical recovered balloon
payload. Currently recovered balloon means everyone
except SkyQuest and HamBone (formerly ITA), both in the
northeast (not a total coincidence).

I also have posts upcoming about the Basic Stamp replacement
that Mark has reviewed for us, and the latest list topic of
PIC based packet circuits and schemes.

Great stuff on this list!

Hank

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Send your FREE holiday greetings online!
http://greetings.yahoo.com

1566. Re: [tvnsp] "Son of TinyTrak" as possible MIM/TNC replacement

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-07 22:43:31 UTC
From: Hank Riley
Topic: 1558 Message: 1566

I've just been speaking with Mike this week after discovering
his designs about a month ago.

Mike does not have extra fabricated boards; he etched them
himself.

I have not seen "tini trak" or the "son of." Unless tini trak
is the name of the TAPR PIC board.

But Mike's Micro Beacon is outstanding. I would like to
have a batch of fiarly high quality boards made by someone for
his basic design. Parts can be omitted, such as the GPS, and
the software can be modified for special custom needs. The
converse mode advocated by Mark could be added.

Back in my high school days I started making such high quality
boards from my own 4 x 5 negatives (from a camera), so I can
do this, but I haven't done it in quite a while.

Hank

--- mgray@... wrote:

> TVNSP,
>
> If you're looking for a GPS beacon, I've built one for our balloon
> group,
> ANSR - Arizona Near Space Research, in Arizona.

_____
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http://greetings.yahoo.com

1567. Re: [tvnsp] "Son of TinyTrak" as possible MIM/TNC replacement

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-07 22:49:55 UTC
From: Hank Riley
Topic: 1558 Message: 1567

Oh, Byon G.'s.

Yeah, now I know. His stuff is also
very good.

Done some neat things for those Aisin $20
GPS modules (all gone now -- sorry).

Hank

--- Mark Conner <mconner1@...> wrote:

> As well as www.byonics.com, look in the Files area on

_____
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Send your FREE holiday greetings online!
http://greetings.yahoo.com

1568. Re: [tvnsp] "Son of TinyTrak" as possible MIM/TNC replacement

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-07 23:32:03 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1558 Message: 1568

> Back in my high school days I started making such high quality
> boards from my own 4 x 5 negatives (from a camera), so I can
> do this, but I haven't done it in quite a while.

I wrote an article for Circuit Cellar Inc about making PCBs. I have my class making them now (we shot 3 of them in my first period class yesterday). I can make baords if it's allowed by the designer.

Paul

1569. Re: "Son of TinyTrak" as possible MIM/TNC replacement

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-08 02:34:05 UTC
From: n1ltv
Topic: 1558 Message: 1569

>I can make boards if it's allowed by the designer.
>
> Paul

It's allowed and *welcome* because the high res gif file
is on the web for just that purpose.

1570. RE: [tvnsp] What's Wrong with Boise Drivers?

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-08 04:36:12 UTC
From: Bill All, N3KKM
Topic: 1554 Message: 1570

Sounds like you guys had a "mandatory driving day." A radio station in PA
used to designate the first snowfall of the season as such. This was a
time when everyone had to get out and go somewhere, whether they needed to
or not.
Bill All

At 12:10 PM 12/7/2001, you wrote:
>Thanks, Paul, for sharing this. I don't feel so bad now about spending an
>hour and half going from 2 miles west of Linder to Eagle Road this morning.
>
>It isn't the Boise drivers that are at fault, it's all the Californians that
>moved here. *G&D & running for a hidey hole*
>
>What was bugging me was that at that time there was just wet pavement. Why
>the heck was the traffic so bad? Was everyone that normally took the freeway
>now on highway 20/26? Sure seems like it, based on your message.
>
>73 de Bill B.
>
> > -----Original Message-----
> > From: verhap@... [mailto:verhap@...]
> > Sent: Friday, December 07, 2001 3:26 AM
> > To: tvnsp@yahoogroups.com
> > Subject: [tvnsp] What's Wrong with Boise Drivers?
> >
> >
> > &&**#$@$%^%$
> >
> > It took me 2.5 hours to get to work today!
> >
> > I spent 10 years in the midwest and they get weather a lot worse
> > than this. I get the distinct impression that if I built a
> > brick wall
> > across the interstate, Boise drivers would speed up.
> >
> > It looks like we had a little bit of black ice on the roads this
> > morning. The accidents were pretty severe. The few accidents we
> > had fouled traffic all across Canyon and Ada county.
> >
> > Thanks for letting me vent.
> >
> > Paul
> >
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1571. Re: [tvnsp] 73 Magazine

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-08 17:47:08 UTC
From: Jeff Melanson
Topic: 1557 Message: 1571

Paul,

Yes it's true, it is the same Wayne Green. It was his wife that first decided astronauts didn't go to the moon. She collected the evidence and presented it to him and now Wayne believes we never went. Hmmm... Eve convinced Adam to eat the fruit. Didn't men learn anything! Wayne Green explained all this on (believe it or not) the Art Bell show! Yes he has been on Art's show at least twice. Oh Oh. I just admitted that I listen to that show. Hey, It's strictly for entertainment! It's good for a laugh. It's beats listening to those political shows all the time and I'm tired of the pet show and the car show and the garden show, and the...

Jeff
KD7INN

verhap@... wrote:
> I just read a note by a person who said Wayne Green claims the
> astronauts could not have gone to the Moon because of radiation
> levels in the Van Allen Radiation Belts would have fried them.
>
> I believe this is the same Wayne Green who is the editor(?) of 73
> magazine. Does anyone know if Wayne thinks like this?
>
> If it's the same, then I guess I'll never pick up anonther 73 again.
>
> Paul
>
>
> To unsubscribe from this group, send an email to:
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>
>
>
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1572. Good News

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-08 17:55:53 UTC
From: Justin Formolo
Topic: 1572 Message: 1572

To All,

I am very proud to announce that on December 8, 2001, I have successfully passed my Element 2 test for a technician amateur radio license. I will know my call sign in about 10-15 days. I feel now that I can be a more active member in TVNSP. Thanks for the support everyone.

-Justin Formolo

1573. Re: [tvnsp] Good News

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-08 18:41:04 UTC
From: Jeff Melanson
Topic: 1572 Message: 1573

Justin,

YEEEEE-HAAAAAA!!!!!!

Congratulations!!!!!

I have passed out all the video tapes except yours. If you are coming to the next construction meeting I can give it to you there. If you are unable to come to the meeting I will hold it for you or I can mail it to you. Your choice.

Jeff Melanson
KD7INN

> Justin Formolo wrote:
>
> To All,
>
> I am very proud to announce that on December 8, 2001, I have
> successfully passed my Element 2 test for a technician amateur radio
> license. I will know my call sign in about 10-15 days. I feel now
> that I can be a more active member in TVNSP. Thanks for the support
> everyone.
>
> -Justin Formolo
>
>
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1574. RS232/TTL conversion for M12

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-08 19:28:03 UTC
From: Mark Conner
Topic: 1574 Message: 1574

Hi Mike,

You're using the Oncore M12, right? I'm getting ready to fire mine up for the first time, and the first thing I need to do is set it to output NMEA.

The only thing I have to connect to the M12 to command it is a desktop or laptop with "true" RS-232. I'm guessing that's not good (or usable) to hook up directly to the M12 and that I'll have to create a circuit that will invert to TTL logic using 0V and 3V levels. Do you have a circuit that can do this? I don't have a MAX23x chip on hand, so I'm looking for Radio Shack type parts for this.

Thanks for any help or pointers.

- Mark

----- Original Message -----
From: <mgray@...>
To: <tvnsp@yahoogroups.com>
Sent: Friday, December 07, 2001 16:16
Subject: Re: [tvnsp] "Son of TinyTrak" as possible MIM/TNC replacement

> TVNSP,
>
> If you're looking for a GPS beacon, I've built one for our balloon group,
> ANSR - Arizona Near Space Research, in Arizona. It is designed to run
> from a single lithium (3VDC) for 48 hours, sends $GPGGA/$GPRMC packets,
> and a plain text telemetry message that shows temperature, battery
voltage,
> and a vertical speed indicator for balloon work. Complete board layout,
> schematic, and source code are on my web site:
>
> http://www.kd7lmo.net
>
> Good luck with your projects.
> 73s de KD7LMO
>
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
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> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
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>

1575. Re: [tvnsp] Catchup, 7 Dec

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-08 19:35:28 UTC
From: Jeff Melanson
Topic: 1556 Message: 1575

>verhap@... wrote:

> Jeff, I need to know what jacks get the resistor and capacitor for
> the DJ-S11. Can you look at your notes? I also need to know if
> it's the tip or the ring.
>
Paul, I wish I had a scanner. Hmmm... Christmas is coming.

I will try to explain it here but you may want to borrow the schematics I have and make copies for your records. Any chance that you can come over Sunday? I have some questions about the flight computer I'm assembling.

One end of both the capacitor and the resistor tie together and go the the Mic tip on the 2.5mm plug. I am not clear on whether or not this plug is stereo or mono on the DJ-S11. I use a stereo plug and it works fine. Maybe someone can jump in and clarify this. The other end of the Capacitor goes to Pin 1 of the TNC which is TX Audio Output. The other end of the resistor goes to Pin 3 of the TNC which is PTT. The capacitor value on the drawing says .1 to 1.0 uF. The resistor is 4.7 to 33K. Another drawing specifies .22uF and 22k ohms. The sleeve of the Mic plug goes to Pin 6 of the TNC which is Ground. The ring of the Mic plug (if a stereo plug) is not connected.

Hope this helps.

On that scanner thing again, what do you all recommend for minimum specifications i.e. resolution or whatever? I want something economical and easy to operate. Perhaps a combo printer and scanner? Refilling the ink must be cheap. I use black and white. I don't seem to have a need for color but you never know.

Jeff

1576. Re: [tvnsp] RS232/TTL conversion for M12

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-08 20:27:21 UTC
From: Mark Conner
Topic: 1574 Message: 1576

Well, since I accidentally send this message to the TVNSP list, I'll just go ahead and follow up a bit to both lists now.

The Oncore M12 docs say that the serial I/O logic is 0V to 3V, "active low". If I remember right, RS-232 is also "active low".

If that's the case, I don't really need to do any inversion, but just limit the voltages. I think the absolute limits are -5 and +5. So if I construct a voltage divider that knocks the voltages down to about +/- 3V, that should let me use a regular serial port on my computer to talk to the Oncore, right? The receiver has a pretty high impedance on the serial lines.

- Mark

----- Original Message -----
From: "Mark Conner" <mconner1@...>
To: <tvnsp@yahoogroups.com>
Sent: Saturday, December 08, 2001 13:28
Subject: [tvnsp] RS232/TTL conversion for M12

> Hi Mike,
>
> You're using the Oncore M12, right? I'm getting ready to fire mine up for
> the first time, and the first thing I need to do is set it to output NMEA.
>
> The only thing I have to connect to the M12 to command it is a desktop or
> laptop with "true" RS-232. I'm guessing that's not good (or usable) to
hook
> up directly to the M12 and that I'll have to create a circuit that will
> invert to TTL logic using 0V and 3V levels. Do you have a circuit that
can
> do this? I don't have a MAX23x chip on hand, so I'm looking for Radio
Shack
> type parts for this.
>
> Thanks for any help or pointers.
>
> - Mark
>
> ----- Original Message -----
> From: <mgray@...>
> To: <tvnsp@yahoogroups.com>
> Sent: Friday, December 07, 2001 16:16
> Subject: Re: [tvnsp] "Son of TinyTrak" as possible MIM/TNC replacement
>
>

> > TVNSP,
> >
> > If you're looking for a GPS beacon, I've built one for our balloon
group,
> > ANSR - Arizona Near Space Research, in Arizona. It is designed to run
> > from a single lithium (3VDC) for 48 hours, sends $GPGGA/$GPRMC packets,
> > and a plain text telemetry message that shows temperature, battery
> voltage,
> > and a vertical speed indicator for balloon work. Complete board layout,
> > schematic, and source code are on my web site:
> >
> > http://www.kd7lmo.net
> >
> > Good luck with your projects.
> > 73s de KD7LMO
> >
> >
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>

1577. Tapes, etc

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-08 21:54:34 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1557 Message: 1577

Jeff, I need two more copies of the video tape.

I sent out a bunch of tapes, Mark's PCBs, and stuff for Lee Kelly this morning. I'll get the last tapes sent next Saturday.

Paul

1578. Re: [tvnsp] RS232/TTL conversion for M12

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-08 22:01:55 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1574 Message: 1578

> The Oncore M12 docs say that the serial I/O logic is 0V to 3V, "active low".
> If I remember right, RS-232 is also "active low".

Yes. RS232 is inverted with respect to TTL. This has caused me
no limit of head banging. Did I tell you I didn't get my security
deposit back because of the cracks in the walls?

> If that's the case, I don't really need to do any inversion, but just limit
> the voltages. I think the absolute limits are -5 and +5. So if I construct
> a voltage divider that knocks the voltages down to about +/- 3V, that should
> let me use a regular serial port on my computer to talk to the Oncore,
> right? The receiver has a pretty high impedance on the serial lines.

You may be fine sending it 0 to 5 volts if you put a current limiting
resistor in the data line. This is what they do with the Stamp.

Since the M12 doesn't go negative on its serial line, a Stamp may
be just fine to talk with the M12. However, the 0 to 3 volt output
may not be readable by the PC. The BS2 uses 1.4 volts as the
break between a logic low and a logic high. My students
experimented with this last year, but I don't think its significance
made an inpact on them.

Paul

1579. Justin, Space 2002, and GPSL 2002

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-08 22:06:14 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1579 Message: 1579

Congrats Justin. Are you buying the pizza?
Have you started shopping around for an HT yet?

During Spring Break there will be a conference in NM on space and robotics. I plan to present. Is anyone else planning to go? If you don't, who knows what stories I may tell. And I won't let the truth get in the way of a good yarn!!

I'm waiting for word from KSU on using the campus for a mini-symposium. They're looking at their schedule of events.

Paul

1580. Re: [tvnsp] Good News

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-08 22:26:11 UTC
From: Stephanie Steele
Topic: 1572 Message: 1580
Attachments: 2 described; binary payloads are missing from this source WARC

Congratulations Justin!

Justin Formolo wrote:
To All, I am very proud to announce that on December 8, 2001, I have successfully passed my Element 2 test for a technician amateur radio license. I will know my call sign in about 10-15 days. I feel now that I can be a more active member in TVNSP. Thanks for the support everyone. -Justin Formolo

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--
Stephanie
****
"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."
Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.
"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."
President Thomas Jefferson.
1743-1826
****
Send and receive money safely over the Internet by using PayPal. I use it and highly recommend it as a safe and reliable means to conduct business. By using the link below we both will receive a $5 sign up bonus.
https://www.paypal.com/refer/pal=kc7dba%40arrl.net

1581. Stephanie's Message

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-08 22:35:31 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1581 Message: 1581

Stephanie, youtr last email included two attachments, gifs. I didn't open them up. Did you mean to send attachments? I've been ignoring attachments lately because several that I have recieved were viruses.

Paul

1582. Meteoric Dust

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-08 23:23:58 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1582 Message: 1582

DCI is trying to collect meteoric dust from their roof top. since this is in downtown Boise, there's lots of crud up there. In the microscope we saw rounded, magnetic material. Some of that may be meteoric, but most is probably from local welding shops.

I proposed that we send up a balloon to collect meteoric dust for DCI (and ourselves). I've email Dr. Brownlee at U of Wash, who is an expert in this field. He's a PI on the Stardust mission.

I'm dreaming now, but think we can send up large styrofoam sheets to do the collecting. The plates need to be covered in sticky material, which needs to be applied in a clean room. The plates will be uncovered by a servo once the capsule climbs above 50,000 feet and closed before balloon burst. After recovery the sticky material is washed off and examined for rounded, magnetic beads. Several control plates will be needed.

So anyhow, this is something we can engineer in a few seconds of thought (not). I'll let you know what Dr. Bownlee says. If you have any suggestions, please help. We need a clean space to set up the plates and microscopes to examine the materials.

Oh, and another thing. DCI plans to have a Legos programming class this summer. I mentioned that we're learning how to program Stamps and that we (okay, maybe it's just me) would like to teach this to students at DCI. I also said we could carry a Legos experiment up on a balloon for the students. This would be great to record on the cmacorder.

One other thing. Bruneau Dunes has expressed an interest in us doing a launch from the park. We'd need to set up a misison control for the students/visitors and give a presentation. They should be able to pay for the flight as part of a speaker's fee. I'm sure we'd get free camping also. Just something else to plan for.

Paul

1583. Re: [tvnsp] Stephanie's Message

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-09 02:09:19 UTC
From: Stephanie Steele
Topic: 1581 Message: 1583

Was that the congratulation email? If so there should have been no attachments. I'll check into it.

verhap@... wrote:
Stephanie, youtr last email included two attachments, gifs. I didn't
open them up. Did you mean to send attachments? I've been
ignoring attachments lately because several that I have recieved
were viruses.
Paul
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--
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1743-1826
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1584. Re: [tvnsp] Stephanie's Message

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-09 02:12:39 UTC
From: Stephanie Steele
Topic: 1581 Message: 1584

Ok, I quoted Justin's "Good News" message which did contain advertisements which were GIF files. I normally delete those but didn't this time. Should be ok.
--
Stephanie
****
"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."
Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.
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1585. Basic Stamp Order]

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-09 02:34:32 UTC
From: Stephanie Steele
Topic: 1542 Message: 1585
Attachments: 2 described; binary payloads are missing from this source WARC

Hi Paul,
If I understand correctly you can order the BOE but not the BS2P Chip on the educational discount. The part number for the BOE is 28102 and is priced at $109.00 and the BS2P24-IC is $79.00. Please send me the total that I need to send you and I'll get payment on the way. Maybe I can have it before our next meeting. Thanks!
Great meeting tonight!
--
Stephanie
****
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safety deserve neither liberty nor safety."
Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.
"Those who desire to give up freedom in order to gain security will not
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1586. Re: [tvnsp] Good News

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-09 04:30:45 UTC
From: Randy Farley
Topic: 1572 Message: 1586

Congratulations Justin,Paul can always use more slave labor :)

> Justin Formolo wrote:
>
> To All,
>
> I am very proud to announce that on December 8, 2001, I have
> successfully passed my Element 2 test for a technician amateur radio
> license. I will know my call sign in about 10-15 days. I feel now
> that I can be a more active member in TVNSP. Thanks for the support
> everyone.
>
> -Justin Formolo
>
>
>
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>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
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--
Regards,
Randy Farley
N7GPS -Ham Call-
My Home at: http://map.findu.com/n7gps
Find my pickup at: http://map.findu.com/n7gps-9
Also see daily weather radar reports for my location at:
(scroll to bottom of page)
http://www.findu.com/cgi-bin/find.cgi?call=n7gps&radar=CBX

1587. RE: [tvnsp] Good News

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-09 06:05:42 UTC
From: K7JPS - John
Topic: 1572 Message: 1587

Congratulations on your achievement. I'll be interested in seeing your balloon chase rig (wheels & radio) when you get all of the parts assembled.

John Stone
K7JPS
-----Original Message-----
From: Justin Formolo [mailto:thextreme@...]
Sent: Saturday, December 08, 2001 10:56
To: TVNSP Group
Subject: [tvnsp] Good News

To All,

I am very proud to announce that on December 8, 2001, I have successfully passed my Element 2 test for a technician amateur radio license. I will know my call sign in about 10-15 days. I feel now that I can be a more active member in TVNSP. Thanks for the support everyone.

-Justin Formolo

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1588. Thank you everyone!

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-10 02:02:58 UTC
From: TheXtreme
Topic: 1588 Message: 1588

To All,

Thank you everyone for your kind comments. Sorry about the advertisements, I don't know how to remove them. I figured that's how Yahoo makes it two cents (or perhaps many cents). Obviously the first thing I need is a radio of some sort. I want to start off with a nice base/mobile station and be able to do APRS. I've been eyeing the Kenwood TM-D700A for some time now, and now I have an excuse to justify the $600 price tag. Maybe Santa will look capriciously in my favor. I did want some feedback from anyone who can tell me about this rig; pros & cons. I don't know much about antennas so any feedback for a good element would also be appreciated. I've been looking at the Diamond antenna elements but they must be gold plated because they are spendy. And for GPS, the Garmin GPSMAP 76 would be good for me. I like how you can load different maps (cartography, street maps, etc) and even marine maps which would be good for boating plus it's portable for when I get a TH-D7AG (maybe the Easter bunny will look capriciously towards me one this one). Sorry I'm so long winded on this e-mail, I'm still coming down from my coffee high from Saturday. Thanks again!

Regards,
Justin Formolo

1589. Wayne Green

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-10 03:46:50 UTC
From: zclobes
Topic: 1589 Message: 1589

I stopped buying 73's several years ago. A good friend of mine was on HF one night and Wayne (or someone signing his callsign) was very insistant on knowing about my friend's restrooms in school. Did the boys have separate ones or did the girls go to the same, how close were they, and as I recall they got worse. Unfortunatly I don't remember the details, but it was kind of gross.
Zack

1590. Re: [tvnsp] Thank you everyone!

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-10 07:00:29 UTC
From: Stephanie Steele
Topic: 1588 Message: 1590

You'll love the TM-D700A. Not a better APRS mobile radio to be had. It's little cousin the TH-D7A is great for a portable too. These admissions are very difficult for a former "If it ain't Yaesu it ain't squat" person, but you'll notice I still avoid using the "K" word! You won't be sorry for buying either of them.
Everyone has their own preference on antennas. I prefer Larsen Mobile antennas as they are commercial quality and use the NMO mount which I prefer. Don't scrimp on price on your antenna as it is just as important as your radio for getting the signal out. I would also suggest avoiding the extremely long 'high gain' mobile antennas as they tend to be a nuisance to live with and offer little to no performance gain over 'standard' length antennas. You only need to get to the digis or repeater most of the time so hi gain antennas are not necessary. The Larsen 2/70 NMO is a great antenna to do with in my opinion.
Stephanie
KC7DBA
TheXtreme wrote:
To All,
Thank you everyone for your kind comments. Sorry about the
advertisements, I don't know how to remove them. I figured
that's how Yahoo makes it two cents (or perhaps many cents).
Obviously the first thing I need is a radio of some sort. I want to
start off with a nice base/mobile station and be able to do APRS.
I've been eyeing the Kenwood TM-D700A for some time now, and now
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antennas so any feedback for a good element would also be
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the Garmin GPSMAP 76 would be good for me. I like how you can load
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which would be good for boating plus it's portable for when I get
a TH-D7AG (maybe the Easter bunny will look capriciously towards me
one this one). Sorry I'm so long winded on this e-mail, I'm
still coming down from my coffee high from Saturday. Thanks again!
Regards,
Justin Formolo
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1591. Paper Stuff and Jeff

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-10 16:59:32 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1591 Message: 1591

I completed the pictorial guide to TVNSP Procedures. I'm geeting copies made at the campus and will pass them out at a future meeting.

Office supply stores sell calendars using photos you bring in. Is anyone interested in a near space calendar? If there's an interest, we need to collect photos from everyone.

Jeff, I got your call this morning. I spent Sunday working on my presentation so didn't check phone calls. What question do you have?

Paul

1592. Balloon article in Air & Space

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-10 18:17:11 UTC
From: Mark Conner
Topic: 1592 Message: 1592

There's an article in the January issue of Air & Space Smithsonian on the National Scientific Balloon Facility and their very large balloons. I'll scan it in this evening and see about making it available.

- Mark

1593. Re: [tvnsp] Balloon article in Air & Space

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-10 19:03:47 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1592 Message: 1593

> There's an article in the January issue of Air & Space Smithsonian on
> the National Scientific Balloon Facility and their very large
> balloons. I'll scan it in this evening and see about making it
> available.

I subscribe to the magazine. It's a great article. I was planning to
bring it to our next meeting.

Paul

1594. My Space 2002 Submission

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-10 23:42:49 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1594 Message: 1594
Attachments: 2 described; binary payloads are missing from this source WARC

I'm attaching my submission for the Space 2002 conference in NM this March. If you get a chance, please read over it and make suggestions for improvement. I'm not including the graphs. I need to keep the article to seven pages, and as is, I need to shorten it.

Paul

1595. BS Class and Equipment

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-10 23:52:17 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1595 Message: 1595

I only have homework from Stephanie. Where's everyone elses?

For the class, you'll need a BS2, perferrably the BS2p. You'll also need a programming board. There is a Super Carrier Board that will get you started, and is cheap ($49). You can also use the BOE and get a bread board, wires, and wall wart. It costs $109.

I'll bring LEDs and resistors to the next class. You won't have to purchase those.

Paul

1596. BASIC stamp question

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-11 04:01:24 UTC
From: Jeff Melanson
Topic: 1596 Message: 1596

Paul,

The rabbits ate my homework! They also ate the apple I was going to give you!
Okay I'll send you the homework shortly.

During the time your email was faulty I sent you a question that didn't get answered yet. Here it is again.

What happens to the comments in a BASIC stamp program? For our homework you asked us to add comments. Do these comments use up memory? I'm assuming that they are not sent to the BASIC stamp because you can't retrieve them anyway. They probably stay in the editor only.

Jeff

1597. Re: [tvnsp] BASIC stamp question

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-11 14:43:55 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1596 Message: 1597

> What happens to the comments in a BASIC stamp program? For our homework
> you asked us to add comments. Do these comments use up memory? I'm
> assuming that they are not sent to the BASIC stamp because you can't
> retrieve them anyway. They probably stay in the editor only.

Correct. They only stay in the file you create when you write a
program. The basic commands are tokenized and sent via a serial
connection to the stamp. There is an ATN line that gets either
pulled high or low to stop the stamp and lets the program get
loaded into EEPROM.

Paul

1598. Re: [tvnsp] BASIC stamp question

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-11 14:45:00 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1596 Message: 1598

Another thought. If you knew how to tokenize basic coammnds (PBASIC to be painfully specific), you could have one stamp program another.

Paul

1599. The letter D. -..

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-11 18:02:26 UTC
From: Jeff Melanson
Topic: 1599 Message: 1599

Hi all,

I upgraded my APRS software to 2.01. Every once in a while I hear the letter D in morse code from the speaker. What does it mean? Can I turn it off?

Jeff
KD7INN

1600. Re: [tvnsp] The letter D. -..

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-11 18:10:53 UTC
From: Stephanie Steele
Topic: 1599 Message: 1600

Hmmm. Sounds like you need to see a doctor!
Seriously, you can go into the settings menu and turn the CW off. This new version has a number of CW symbols that will be sent for different events and they got on my nerves also. Go to Setup-Settings-Sounds and you'll see where to turn them off.
Stephanie

Jeff Melanson wrote:
Hi all,
I upgraded my APRS software to 2.01. Every once in a while I hear the
letter D in morse code from the speaker. What does it mean? Can I turn
it off?
Jeff
KD7INN
---------- Yahoo! Groups Sponsor ----------~-->
Break free. Great
American Smokeout
http://us.click.yahoo.com/3vN8tD/.pSDAA/ySSFAA/RGYolB/TM
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1601. Re: [tvnsp] The letter D. -..

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-11 18:19:17 UTC
From: Jeff Melanson
Topic: 1599 Message: 1601

Stephanie,

The ear doctor was puzzled so I called you!

Got it! Thanks.

Jeff

Stephanie Steele wrote:
>
> Hmmm. Sounds like you need to see a doctor!
>
> Seriously, you can go into the settings menu and turn the CW off. This
> new version has a number of CW symbols that will be sent for different
> events and they got on my nerves also. Go to Setup-Settings-Sounds and
> you'll see where to turn them off.
>
> Stephanie
>
>
> Jeff Melanson wrote:
>
> > Hi all,
> >
> > I upgraded my APRS software to 2.01. Every once in a while I hear
> > the
> > letter D in morse code from the speaker. What does it mean? Can I
> > turn
> > it off?
> >
> > Jeff
> > KD7INN
> >
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> >
> >
> >
> > Your use of Yahoo! Groups is subject to
> > http://docs.yahoo.com/info/terms/
>
> --
> Stephanie
>

> ********************************
>
> "They that can give up essential liberty to obtain a little temporary
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>
> Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11,
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1602. NSRV

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-14 19:08:13 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1602 Message: 1602

Here's a story on the X-38, NASA's version of a NSRV (those copycats!).

http://www.space.com/missionlaunches/x38_test_011214.html

Paul

1603. Re: NSRV

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-14 22:10:29 UTC
From: k7jps
Topic: 1602 Message: 1603

Yeah, but they only tested the CRV from 45,000 feet. We may still
have a chance at a parafoil altitude record! By the way, I like their
color scheme.

John Stone

--- In tvnsp@y..., <verhap@o...> wrote:
> Here's a story on the X-38, NASA's version of a NSRV (those
> copycats!).
>
> http://www.space.com/missionlaunches/x38_test_011214.html
>
> Paul

1604. Re: [tvnsp] Re: NSRV

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-14 22:11:03 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1602 Message: 1604

> Yeah, but they only tested the CRV from 45,000 feet.

Those wimps!

We may still
> have a chance at a parafoil altitude record! By the way, I like their
> color scheme.

Yes, I liked it too. Can we get a parafoil like that?

Paul

1605. New challenger to the BS2p?

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-15 01:03:18 UTC
From: Mark Conner
Topic: 1605 Message: 1605

http://www.basicmicro.com/products/stamps/index.html

At first glance, this seems promising:

8K program space in one bank
300 bytes of RAM
33K instructions/sec
32-bit and floating-point math
40mA power consumption
Interrupts
Uses superset of BS2 commands
Upgradeable firmware
Hardware A/D, PWM
$59

This may be what I kind of expected out of the BX24, but didn't quite get.
I'm going to download the manual and check it out more fully.

73 de Mark N9XTN

Mark D. Conner
E-mail: n9xtn@...
Homepage: http://members.home.net/mconner1
"Arrogance and stupidity, all in the same package.....how efficient
of you!" - Ambassador Londo Mollari, Babylon 5

1606. Re: [tvnsp] NSRV

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-15 14:44:11 UTC
From: Randy Farley
Topic: 1602 Message: 1606

Speed of sound free falls could make me kind of queasy.
And i thought our balloon descents were rough ;)
Pretty cool, just glad i dont have to buy the material for the p-sail
either.

verhap@... wrote:
>
> Here's a story on the X-38, NASA's version of a NSRV (those
> copycats!).
>
> http://www.space.com/missionlaunches/x38_test_011214.html
>
> Paul
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
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--
Regards,
Randy Farley
N7GPS -Ham Call-
My Home at: http://map.findu.com/n7gps
Find my pickup at: http://map.findu.com/n7gps-9
Also see daily weather radar reports for my location at:
(scroll to bottom of page)
http://www.findu.com/cgi-bin/find.cgi?call=n7gps&radar=CBX

1607. Re: [tvnsp] New challenger to the BS2p?

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-15 20:09:32 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1605 Message: 1607

I read the other day that there's another micro out there called the
atom. It looks similiar to this description.

Paul

> http://www.basicmicro.com/products/stamps/index.html
>
> At first glance, this seems promising:
>
> 8K program space in one bank
> 300 bytes of RAM
> 33K instructions/sec
> 32-bit and floating-point math
> 40mA power consumption
> Interrupts
> Uses superset of BS2 commands
> Upgradeable firmware
> Hardware A/D, PWM
> $59
>
> This may be what I kind of expected out of the BX24, but didn't quite get.
> I'm going to download the manual and check it out more fully.
>
> 73 de Mark N9XTN
>
> ------
> Mark D. Conner
> E-mail: n9xtn@...
> Homepage: http://members.home.net/mconner1
> "Arrogance and stupidity, all in the same package.....how efficient
> of you!" - Ambassador Londo Mollari, Babylon 5
>
>
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>

1608. (Fwd) No video/audio on the tape

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-15 20:15:09 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1608 Message: 1608

Jeff, I got this message from Mark. I'll need a new copy to send
out. Can you make a total of three more?

Paul

Got the tape today, but no video/audio. It's been recorded, because my VCR
is detecting the sync pulses for the timer. I think the recording part of
the copying setup was set to the wrong channel. It was labeled and the
record tab was punched out, so whoever made the copies *thought* they had
recorded it.

- Mark

Mark D. Conner
E-mail: n9xtn@...
Homepage: http://members.home.net/mconner1
"Arrogance and stupidity, all in the same package.....how efficient
of you!" - Ambassador Londo Mollari, Babylon 5

1609. Next Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-15 20:21:02 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 729 Message: 1609

I picked up some foam rubber for capsules, so please bring your parts. I'll bring some styrofoam for others building a capsule. I don't have enough mylar, can someone bring a space blanket.

Jeff, we'll need your sewing machine. We should bring some tapes to show. I'll bring a VCR/TV.

Have have lesson two written for the Stamp.

Be there, aloha.

1610. Re: [tvnsp] (Fwd) No video/audio on the tape

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-15 20:29:15 UTC
From: Tim Rynearson
Topic: 1608 Message: 1610
Attachments: 1 described; binary payloads are missing from this source WARC

Just an FYI....I haven't got my copy yet either....

Tim

-------Original Message-------

From:verhap@...
Date: Saturday, December 15, 2001 01:15:06 PM
To:tvnsp@yahoogroups.com
Subject: [tvnsp] (Fwd) No video/audio on the tape

Jeff, I got this message from Mark. I'll need a new copy to send
out. Can you make a total of three more?

Paul

Got the tape today, but no video/audio. It's been recorded, because my VCR
is detecting the sync pulses for the timer. I think the recording part of
the copying setup was set to the wrong channel. It was labeled and the
record tab was punched out, so whoever made the copies *thought* they had
recorded it.

- Mark

Mark D. Conner
E-mail: n9xtn@...
Homepage: http://members.home.net/mconner1
"Arrogance and stupidity, all in the same package.....how efficient
of you!" - Ambassador Londo Mollari, Babylon 5

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1611. Re: [tvnsp] (Fwd) No video/audio on the tape

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-16 07:43:54 UTC
From: Jeff Melanson
Topic: 1608 Message: 1611

Hi All,

I have two reports of bad copies. Did anybody else get a bad copy? I
need a count.

Jeff

verhap@... wrote:
>
> Jeff, I got this message from Mark. I'll need a new copy to send
> out. Can you make a total of three more?
>
> Paul
>
> Got the tape today, but no video/audio. It's been recorded, because my VCR
> is detecting the sync pulses for the timer. I think the recording part of
> the copying setup was set to the wrong channel. It was labeled and the
> record tab was punched out, so whoever made the copies *thought* they had
> recorded it.
>
> - Mark
>
> ------
> Mark D. Conner
> E-mail: n9xtn@...
> Homepage: http://members.home.net/mconner1
> "Arrogance and stupidity, all in the same package.....how efficient
> of you!" - Ambassador Londo Mollari, Babylon 5
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

1612. Re: [tvnsp] (Fwd) No video/audio on the tape

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-16 13:12:18 UTC
From: Randy Farley
Topic: 1608 Message: 1612

Mine was fine Jeff.
Suppose they got erased accidently at one of the post office hubs by
x-ray machines or something more exotic ? Hmm.. research for the X-File
team.

Finally got time to watch it Friday. Best video i have watched yet.
Great job on the camera mounting. It had just the right view of the
horizon and land for me. I was impressed with how stable the capsule was
most of the time. Even the wife was impressed.

One thought, it would be nice to have a live altimeter reading shown on
the screen during flights.

Jeff Melanson wrote:
>
> Hi All,
>
> I have two reports of bad copies. Did anybody else get a bad copy? I
> need a count.
>
> Jeff
>
> verhap@... wrote:
> >
> > Jeff, I got this message from Mark. I'll need a new copy to send
> > out. Can you make a total of three more?
> >
> > Paul
> >
> > Got the tape today, but no video/audio. It's been recorded, because my VCR
> > is detecting the sync pulses for the timer. I think the recording part of
> > the copying setup was set to the wrong channel. It was labeled and the
> > record tab was punched out, so whoever made the copies *thought* they had
> > recorded it.
> >
> > - Mark
> >
> > ------
> > Mark D. Conner
> > E-mail: n9xtn@...
> > Homepage: http://members.home.net/mconner1
> > "Arrogance and stupidity, all in the same package.....how efficient
> > of you!" - Ambassador Londo Mollari, Babylon 5
> >
> >
> > To unsubscribe from this group, send an email to:

> > tvnsp-unsubscribe@egroups.com
> >
> >
> >
> > Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

--
Regards,
Randy Farley
N7GPS -Ham Call-
My Home at: http://map.findu.com/n7gps
Find my pickup at: http://map.findu.com/n7gps-9
Also see daily weather radar reports for my location at:
(scroll to bottom of page)
http://www.findu.com/cgi-bin/find.cgi?call=n7gps&radar=CBX

1613. Re: [tvnsp] Next Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-16 13:46:34 UTC
From: Randy Farley
Topic: 729 Message: 1613

Paul
Is there a meeting this Sunday? Got my capsule shell ready finally.

verhap@... wrote:
>
> I picked up some foam rubber for capsules, so please bring your
> parts. I'll bring some styrofoam for others building a capsule. I
> don't have enough mylar, can someone bring a space blanket.
>
> Jeff, we'll need your sewing machine. We should bring some tapes
> to show. I'll bring a VCR/TV.
>
> Have have lesson two written for the Stamp.
>
> Be there, aloha.
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

--
Regards,
Randy Farley
N7GPS -Ham Call-
My Home at: http://map.findu.com/n7gps
Find my pickup at: http://map.findu.com/n7gps-9
Also see daily weather radar reports for my location at:
(scroll to bottom of page)
http://www.findu.com/cgi-bin/find.cgi?call=n7gps&radar=CBX

1614. Re: [tvnsp] (Fwd) No video/audio on the tape

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-16 14:54:10 UTC
From: Doug Rich
Topic: 1608 Message: 1614

At 06:12 AM 12/16/01 -0700, you wrote:
>Mine was fine Jeff.
>Suppose they got erased accidently at one of the post office hubs by
>x-ray machines or something more exotic ? Hmm.. research for the X-File
>team.
>
>Finally got time to watch it Friday. Best video i have watched yet.
>Great job on the camera mounting. It had just the right view of the
>horizon and land for me. I was impressed with how stable the capsule was
>most of the time. Even the wife was impressed.
>
>One thought, it would be nice to have a live altimeter reading shown on
>the screen during flights.

I have such a board. It will place on screen any text you send it. It can
be used in an upcoming flight if you want.
Doug

>Jeff Melanson wrote:
> >
> > Hi All,
> >
> > I have two reports of bad copies. Did anybody else get a bad copy? I
> > need a count.
> >
> > Jeff
> >
> > verhap@... wrote:
> > >
> > > Jeff, I got this message from Mark. I'll need a new copy to send
> > > out. Can you make a total of three more?
> > >
> > > Paul
> > >
> > > Got the tape today, but no video/audio. It's been recorded, because
> my VCR
> > > is detecting the sync pulses for the timer. I think the recording
> part of
> > > the copying setup was set to the wrong channel. It was labeled and the
> > > record tab was punched out, so whoever made the copies *thought* they had
> > > recorded it.
> > >
> > > - Mark
> > >
> > > ------

> > > Mark D. Conner
> > > E-mail: n9xtn@...
> > > Homepage: http://members.home.net/mconner1
> > > "Arrogance and stupidity, all in the same package.....how efficient
> > > of you!" - Ambassador Londo Mollari, Babylon 5
> > >
> > >
> > > To unsubscribe from this group, send an email to:
> > > tvnsp-unsubscribe@egroups.com
> > >
> > >
> > >
> > > Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
> >
> > To unsubscribe from this group, send an email to:
> > tvnsp-unsubscribe@egroups.com
> >
> >
> >
> > Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>--
>Regards,
>Randy Farley
>N7GPS -Ham Call-
>My Home at: http://map.findu.com/n7gps
>Find my pickup at: http://map.findu.com/n7gps-9
> Also see daily weather radar reports for my location at:
> (scroll to bottom of page)
> http://www.findu.com/cgi-bin/find.cgi?call=n7gps&radar=CBX
>
>
>To unsubscribe from this group, send an email to:
>tvnsp-unsubscribe@egroups.com
>
>
>
>Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

1615. Re: [tvnsp] Next Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-16 14:59:04 UTC
From: Stephanie Steele
Topic: 729 Message: 1615

Are we going to glue the capsule at this meeting or am I supposed to have that done already? If so, Oops!

--
Stephanie
****
"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."
Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.
"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."
President Thomas Jefferson.
1743-1826
****
Send and receive money safely over the Internet by using PayPal. I use it and highly recommend it as a safe and reliable means to conduct business. By using the link below we both will receive a $5 sign up bonus.
https://www.paypal.com/refer/pal=kc7dba%40arrl.net

1616. RE: [tvnsp] Next Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-16 16:02:39 UTC
From: K7JPS - John
Topic: 729 Message: 1616

Talking with Paul at the VOI meeting last Wednesday, I am planning on gluing my capsule at the meeting this afternoon. So I don't think we are late.

-----Original Message-----
From: Stephanie Steele [mailto:kc7dba@...]
Sent: Sunday, December 16, 2001 07:59
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] Next Meeting

Are we going to glue the capsule at this meeting or am I supposed to have that done already? If so, Oops!

--
Stephanie

1617. Servo

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-16 17:36:49 UTC
From: aerobotics58
Topic: 1617 Message: 1617

Paul-

I had volunteered to show how to open the loop on a servo
for stamp operation. I regret that I will not be able to
show that process.

Dan

1618. Nice GPSL2001 layout in January 2002 Up Front

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-17 17:11:57 UTC
From: Hank Riley
Topic: 1618 Message: 1618

QST has run two photos by Shari Tews, KC0KZK which were
submitted to QST by Mark Conner, N9XTN. One is of the
three balloons at the moment of liftoff and the other
is Mark and Leonard Vasey, KC0DOQ, with their payloads.

It's on page 21, the last of three Up Front pages.

The captions are pretty complete, but I would have
liked at least a mention of the giant Nov/Dec 2001
Weatherwise article.

I'm going to request that QST consider a mention
of that article in an upcoming QST Media Hits
(January MH is on page 16).

Hank

Do You Yahoo!?
Check out Yahoo! Shopping and Yahoo! Auctions for all of
your unique holiday gifts! Buy at http://shopping.yahoo.com
or bid at http://auctions.yahoo.com

1619. RE: [tvnsp] (Fwd) No video/audio on the tape

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-17 23:39:19 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 1608 Message: 1619

Mine seemed good. The sound's there, so's the pic. I got the sound report
from someone who can actually hear, I'll have to trust that person. ;-)

Bill B.

> -----Original Message-----
> From: Jeff Melanson [mailto:kd7inn@...]
> Sent: Sunday, December 16, 2001 12:44 AM
> To: tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] (Fwd) No video/audio on the tape
>
>
> Hi All,
>
> I have two reports of bad copies. Did anybody else get a bad copy? I
> need a count.
>
> Jeff
>
> verhap@... wrote:
> >
> > Jeff, I got this message from Mark. I'll need a new copy to send
> > out. Can you make a total of three more?
> >
> > Paul
> >
> > Got the tape today, but no video/audio. It's been
> recorded, because my VCR
> > is detecting the sync pulses for the timer. I think the
> recording part of
> > the copying setup was set to the wrong channel. It was
> labeled and the
> > record tab was punched out, so whoever made the copies
> *thought* they had
> > recorded it.
> >
> > - Mark
> >
> > ------
> > Mark D. Conner
> > E-mail: n9xtn@...
> > Homepage: http://members.home.net/mconner1
> > "Arrogance and stupidity, all in the same package.....how efficient
> > of you!" - Ambassador Londo Mollari, Babylon 5
> >

> >
> > To unsubscribe from this group, send an email to:
> > tvnsp-unsubscribe@egroups.com
> >
> >
> >
> > Your use of Yahoo! Groups is subject to
http://docs.yahoo.com/info/terms/

To unsubscribe from this group, send an email to:
tvnsp-unsubscribe@egroups.com

Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

1620. (Fwd)

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-18 19:06:25 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1620 Message: 1620

```
------- Forwarded Message Follows -------
From: "Mark Conner" <mconner1@...>
To: "KD4STH Paul Verhage" <paul.verhage@...>, <kc0doq@...>,
"Ralph Wallio, W0RPK" <wallio@...>,
"N3KKM Bill All" <n3kkm@...>,
"Shari Tews - work" <stews@...>
Copies to: "Hank Riley N1LTV" <n1ltv@...>
Subject: Date sent: Tue, 18 Dec 2001 12:45:16 -0600

Here's a scanned copy of the "Up Front" entry in January's QST.

- Mark

------
Mark D. Conner
E-mail: n9xtn@...
Homepage: http://members.home.net/mconner1
"Arrogance and stupidity, all in the same package.....how efficient
of you!" - Ambassador Londo Mollari, Babylon 5
```

1621. (Fwd)

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-18 19:12:23 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1620 Message: 1621
Attachments: 2 described; binary payloads are missing from this source WARC

This time the attachment is attached!!!!

Paul
------- Forwarded Message Follows -------
From: "Mark Conner" <mconner1@...>
To: "KD4STH Paul Verhage" <paul.verhage@...>, <kc0doq@...>,
"Ralph Wallio, W0RPK" <wallio@...>,
"N3KKM Bill All" <n3kkm@...>,
"Shari Tews - work" <stews@...>
Copies to: "Hank Riley N1LTV" <n1ltv@...>
Subject: Date sent: Tue, 18 Dec 2001 12:45:16 -0600

Here's a scanned copy of the "Up Front" entry in January's QST.

- Mark

Mark D. Conner
E-mail: n9xtn@...
Homepage: http://members.home.net/mconner1
"Arrogance and stupidity, all in the same package.....how efficient
of you!" - Ambassador Londo Mollari, Babylon 5

1622. Re: [tvnsp] "Son of TinyTrak" as possible MIM/TNC replacement

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-20 09:13:06 UTC
From: Rick Widmer
Topic: 1558 Message: 1622

Sorry it took so long to get back on this...

I am very interested in working on this project...

It may be years before I find time to do it alone, but I'm willing to help with a group effort. I live in Kimberly, so I may not make many meetings in the Treasure Valley, but we have the Internet.

I have a bit of PIC experiance, and a friend with a PIC programmer who has been using them for years. I'm willing to work on the programming side of the project. The first step is to decide exactly what we want the thing to do...

Mark Conner wrote:
>
> Some of you may have heard of N6BG's TinyTrak kit. This kit is similar
> to a MIM in that it will transmit APRS positions with a GPS and radio
> hooked up to it. It doesn't do telemetry, but has other functions the
> MIM doesn't.

TinyTrak has some possibilities, but if we are going to build something for balloon flight I think we should shoot a little higher.

mgray wrote:
> TVNSP,
>
> If you're looking for a GPS beacon, I've built one for our balloon group,
> ...
>
> http://www.kd7lmo.net

This device is much closer to what I had in mind. Mgray have you looked at the TAPR's PIC-E encoder? Your project looks very similar.

http://www.tapr.org/tapr/html/Fpice.html

I think the PIC-E is a perfect starting point. I would like to take parts of PIC-E and parts of mgray's beacon. One big advantage of the PIC-E is the library of existing code, and the fact that it was designed for expansion. Mgray has an excelent power supply I would like to steal.

I've named the device "communications controller." It sits between 1 or 2 GPS receivers, the on-board radio and the flight control computer. It worries only about ommunications, leaving control of experiments and telemetry data gathering to the flight controller.

We need 1-2 serial inputs that watch the GPS data stream, and an audio input/output with PTT to the radio and a two way serial connection to the flight controller. Both the PIC-E and mgray's devices already provide the hardware layout for most of this. The rest is software. What I have in mind goes something like this:

One or two GPS receivers are set to send position and altidude information to the communications computer as frequently as possible. The GPS data is buffered in PIC memory.

The flight controller should compose telemetry strings, and pass them to the comm controller at any rate it can. The comm controller is responsible for buffering the tm data and sending it on schedule. There should be a way for the flight controller to mark a message as priority, meaning it is sent out as quickly as possible. The comm controller should limit priority messages to make sure it does not hog the APRS channel.

If possible telemetry data should follow the MIM standard for telemetry transmissions. APRS can display column headings and scaling of reported data in this format. The flight controller should be able to transfer the data needed to scale and identify the tm data on request. The comm controller will buffer the data and send it on schedule. If the MIM standard can not be followed, we need to use a different packet identifier for our tm data. It should be possible to send both kinds of tm data during a flight.

It might be wise to go ahead and put 5 analog and 8 digital inputs on the comm controller and let it do the MIM compatible telemetry encoding, and provide for non-standard packets from the flight controller. I'd rather minimize the connections between the connections between the comm controller and the rest of the capsule, OTOH putting the MIM inputs on the comm controller vastly simplifies programming the flight controller. It also makes it harder for the flight controller to respond to telemetry data. I'm not sure what is best.

The comm controller listens for APRS messages addressed to it. Here are some of the messages it should respond to:

TM - send latest telemetry string from flight controller/
TML - send telemetry interpretation data
GPS - send latest position report from any GPS
GPS1 - send latest position report from GPS1
GPS2 - send latest position report from GPS2

LAUNCH - switch transmission timing to launch values

FC: - send any data after the ":" to the flight controller.

On power up the comm controller sends an APRS message to local receivers telling them that it just woke up. It then watches the GPS and flight controller inputs, and sends the first complete message from each. Once it has sent a message from each source it sends a status message every

few minutes showing which inputs are sending valid data. Less frequently it sends a position and altitude report and telemetry data. All pre-launch transmissions are local.

When the comm controller receives a LAUNCH command the first thing it does is send a WIDE aprs position report followed by a WIDE message "LAUNCH: hh:mm:ss" showing the time of launch. If desired it can also send a LAUNCH command to the flight controller. It then waits a few seconds then sends WIDE the telemetry interpretation data followed by a telemetry report.

During ascent the comm controller monitors the GPS data and compares the position data with the previous report. If the difference is larger than expected it sends a new local position report. Every 1-10 minutes it should send a local telemetry report followed by a position report and altitude. (This leaves the altitude visible on APRS.) If it is getting data from both GPS inputs it should alternate between them when it sends positions. An APRS message "DELAY 03" would set the delay between local transmissions to 3 minutes.

Most transmissions are local so the people receiving data directly have rapid updates. Every 1-9 transmissions is sent WIDE. The number of local transmissions for each WIDE transmission can be set with the APRS message "WIDE n". WIDE 1 means every other transmission is WIDE, WIDE 9 says to send 9 local transmissions for each WIDE one. The first packet after a WIDE command will be sent wide. Every 2-9 WIDE transmissions should include the telemetry interpretation data. This value will probably be preset when we program the PIC, and can not be changed from the ground.

If the most recent altitude is less than the prior altitude it sends a WIDE APRS message "BURST hh:mm:ss" with the time of the highest altitude recorded followed by the highest position report recorded from either GPS. It then falls back to the same transmission timing as ascent, or maybe we have a different schedule for descent. Sending a "BURST" APRS message can trigger this action too. The position reported after a burst command is the latest one recieved from either GPS.

If you send an APRS message like "PANIC 5500". The comm controller will start sending local position reports every 30 seconds once the balloon descends below 5500 feet. The ratio of WIDE to local packets will stay the same. Sending a "PANIC" command will trigger rapid position reporting instantly. This should probably be set before launch based on the predicted landing site, but can be changed during flight.

Sending a "BEACON" command, several GPS reports with the same altitude, or the loss of both GPS data streams triggers a one minute transmission of the balloon's callsign at 5WPM. The transmission is a CW modulated tone on the standard FM carrier. If GPS data is still available this transmission is followed by an APRS position report and telemetry data. If it is possible to change the transmission frequency for the beacon it should be done. Once the comm controller is in beacon mode it will send

one minute of CW during minute 0, 15, 30 and 45 of each hour till the battery runs down, a LAUNCH or BURST command is received, or the power is shut off. This allows for DF fox hunting techniques as a last resort.

There are two other senses I would like to work into the system. One is a microphone that listens for burst and impact. During ascent a loud noise will trigger a BURST command, and during descent it will trigger a BEACON command. This will provide for much more accurate event reports from the capsule.

The other is some way to sense the exact instant the balloon is launched. This could be a plug you pull out of the capsule just before release, or maybe a plug that is tied to the ground that is pulled out of the capsule when it is released.

One final interesting feature would be a way to set some altitude breakpoints so the comm controller will send a command to the flight controller when the capsule passes thru a specified altitude. If you want to open an experiment at 10,000 feet you set the comm contrller to watch for that altitude, and send the event to the flight controller. It may also send a report via local or WIDE APRS when a certain altitude is passed.

What do you think...

Rick

p.s. It looks like it may be a very long time before the amateur radio test will be given in the Magic Valley again, so can someone please let me know what the TV test schedule looks like.

1623. Re: [tvnsp] "Son of TinyTrak" as possible MIM/TNC replacement

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-20 14:25:34 UTC
From: Doug Rich
Topic: 1558 Message: 1623

Very good! If there is anyway I can help please let me know. I have lots
of ideas but not much ability. I do have a SX-Key programer from Parallax.
I have a few comments near the paragraph they relate.

At 04:13 AM 12/20/01 -0500, you wrote:
>Sorry it took so long to get back on this...
>
>I am very interested in working on this project...
>
>It may be years before I find time to do it alone, but I'm willing to
>help with a group effort. I live in Kimberly, so I may not make many
>meetings in the Treasure Valley, but we have the Internet.
>
>I have a bit of PIC experiance, and a friend with a PIC programmer who
>has been using them for years. I'm willing to work on the programming
>side of the project. The first step is to decide exactly what we want
>the thing to do...
>
>
>Mark Conner wrote:
> >
> > Some of you may have heard of N6BG's TinyTrak kit. This kit is similar
> > to a MIM in that it will transmit APRS positions with a GPS and radio
> > hooked up to it. It doesn't do telemetry, but has other functions the
> > MIM doesn't.
>
>TinyTrak has some possibilities, but if we are going to build something
>for balloon flight I think we should shoot a little higher.
>
>
>mgray wrote:
> > TVNSP,
> >
> > If you're looking for a GPS beacon, I've built one for our balloon group,
> > ...
> >
> > http://www.kd7lmo.net
>
>This device is much closer to what I had in mind. Mgray have you looked
>at the TAPR's PIC-E encoder? Your project looks very similar.
>
> http://www.tapr.org/tapr/html/Fpice.html
>
>I think the PIC-E is a perfect starting point. I would like to take
>parts of PIC-E and parts of mgray's beacon. One big advantage of the

>PIC-E is the library of existing code, and the fact that it was designed
>for expansion. Mgray has an excelent power supply I would like to
>steal.
>
>I've named the device "communications controller." It sits between 1 or
>2 GPS receivers, the on-board radio and the flight control computer. It
>worries only about ommunications, leaving control of experiments and
>telemetry data gathering to the flight controller.
>
>We need 1-2 serial inputs that watch the GPS data stream, and an audio
>input/output with PTT to the radio and a two way serial connection to
>the flight controller. Both the PIC-E and mgray's devices already
>provide the hardware layout for most of this. The rest is software.
>What I have in mind goes something like this:
>
>One or two GPS receivers are set to send position and altidude
>information to the communications computer as frequently as possible.
>The GPS data is buffered in PIC memory.
>
>The flight controller should compose telemetry strings, and pass them to
>the comm controller at any rate it can. The comm controller is
>responsible for buffering the tm data and sending it on schedule. There
>should be a way for the flight controller to mark a message as priority,
>meaning it is sent out as quickly as possible. The comm controller
>should limit priority messages to make sure it does not hog the APRS
>channel.
>
>If possible telemetry data should follow the MIM standard for telemetry
>transmissions. APRS can display column headings and scaling of reported
>data in this format. The flight controller should be able to transfer
>the data needed to scale and identify the tm data on request. The comm
>controller will buffer the data and send it on schedule. If the MIM
>standard can not be followed, we need to use a different packet
>identifier for our tm data. It should be possible to send both kinds of
>tm data during a flight.
>
>It might be wise to go ahead and put 5 analog and 8 digital inputs on
>the comm controller and let it do the MIM compatible telemetry encoding,
>and provide for non-standard packets from the flight controller. I'd
>rather minimize the connections between the connections between the comm
>controller and the rest of the capsule, OTOH putting the MIM inputs on
>the comm controller vastly simplifies programming the flight
>controller. It also makes it harder for the flight controller to
>respond to telemetry data. I'm not sure what is best.
>
>The comm controller listens for APRS messages addressed to it. Here are
>some of the messages it should respond to:
>
>TM - send latest telemetry string from flight controller/
>TML - send telemetry interpretation data

>GPS - send latest position report from any GPS
>GPS1 - send latest position report from GPS1
>GPS2 - send latest position report from GPS2
>
>LAUNCH - switch transmission timing to launch values
>
>FC: - send any data after the ":" to the flight controller.

I might suggest the need for cut-down commands from the ground.

>On power up the comm controller sends an APRS message to local receivers
>telling them that it just woke up. It then watches the GPS and flight
>controller inputs, and sends the first complete message from each. Once
>it has sent a message from each source it sends a status message every
>few minutes showing which inputs are sending valid data. Less
>frequently it sends a position and altitude report and telemetry data.
>All pre-launch transmissions are local.
>
>When the comm controller receives a LAUNCH command the first thing it
>does is send a WIDE aprs position report followed by a WIDE message
>"LAUNCH: hh:mm:ss" showing the time of launch. If desired it can also
>send a LAUNCH command to the flight controller. It then waits a few
>seconds then sends WIDE the telemetry interpretation data followed by a
>telemetry report.

The LAUNCH command might also use a cut-down device to cut the lines
holding the balloon before launch. This would also be an active test of a
good deal of the electronics. If it does not release, then scrub the launch.

>During ascent the comm controller monitors the GPS data and compares the
>position data with the previous report. If the difference is larger
>than expected it sends a new local position report. Every 1-10 minutes
>it should send a local telemetry report followed by a position report
>and altitude. (This leaves the altitude visible on APRS.) If it is
>getting data from both GPS inputs it should alternate between them when
>it sends positions. An APRS message "DELAY 03" would set the delay
>between local transmissions to 3 minutes.
>
>Most transmissions are local so the people receiving data directly have
>rapid updates. Every 1-9 transmissions is sent WIDE. The number of
>local transmissions for each WIDE transmission can be set with the APRS
>message "WIDE n". WIDE 1 means every other transmission is WIDE, WIDE
>9 says to send 9 local transmissions for each WIDE one. The first packet
>after a WIDE command will be sent wide. Every 2-9 WIDE transmissions
>should include the telemetry interpretation data. This value will
>probably be preset when we program the PIC, and can not be changed from
>the ground.
>
>If the most recent altitude is less than the prior altitude it sends a
>WIDE APRS message "BURST hh:mm:ss" with the time of the highest altitude
>recorded followed by the highest position report recorded from either

>GPS. It then falls back to the same transmission timing as ascent, or
>maybe we have a different schedule for descent. Sending a "BURST" APRS
>message can trigger this action too. The position reported after a
>burst command is the latest one recieved from either GPS.

On flights where there is a float condition (we had on like this) the balloon goes up and down at the upper edge of the flight. A decent rate greater than some fixed amount, say 500 ft/m, would solve this problem. A storage of the highest altitude and then reported with the burst info would also help.

>If you send an APRS message like "PANIC 5500". The comm controller will
>start sending local position reports every 30 seconds once the balloon
>descends below 5500 feet. The ratio of WIDE to local packets will stay
>the same. Sending a "PANIC" command will trigger rapid position
>reporting instantly. This should probably be set before launch based on
>the predicted landing site, but can be changed during flight.
>
>Sending a "BEACON" command, several GPS reports with the same altitude,
>or the loss of both GPS data streams triggers a one minute transmission
>of the balloon's callsign at 5WPM. The transmission is a CW modulated
>tone on the standard FM carrier. If GPS data is still available this
>transmission is followed by an APRS position report and telemetry data.
>If it is possible to change the transmission frequency for the beacon it
>should be done. Once the comm controller is in beacon mode it will send
>one minute of CW during minute 0, 15, 30 and 45 of each hour till the
>battery runs down, a LAUNCH or BURST command is received, or the power
>is shut off. This allows for DF fox hunting techniques as a last
>resort.
>
>There are two other senses I would like to work into the system. One is
>a microphone that listens for burst and impact. During ascent a loud
>noise will trigger a BURST command, and during descent it will trigger a
>BEACON command. This will provide for much more accurate event reports
>from the capsule.

Sound is very low at altitude and might be confused with other sounds (wind noise, string pops).

>The other is some way to sense the exact instant the balloon is
>launched. This could be a plug you pull out of the capsule just before
>release, or maybe a plug that is tied to the ground that is pulled out
>of the capsule when it is released.

Also, as mentioned above, the cut-down device could cut the tether lines on a DTMF or APRS command to launch and record that as the launch time.

>One final interesting feature would be a way to set some altitude
>breakpoints so the comm controller will send a command to the flight
>controller when the capsule passes thru a specified altitude. If you
>want to open an experiment at 10,000 feet you set the comm contrller to
>watch for that altitude, and send the event to the flight controller.

>It may also send a report via local or WIDE APRS when a certain altitude
>is passed.
>
>What do you think...
>
>Rick
>
>p.s. It looks like it may be a very long time before the amateur radio
>test will be given in the Magic Valley again, so can someone please let
>me know what the TV test schedule looks like.

Check out the VOI web site at http://www.voiceofidaho.org/ and
pick "testing" from the menu.

>
>To unsubscribe from this group, send an email to:
>tvnsp-unsubscribe@egroups.com
>
>
>
>Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

1624. ATV Quarterly

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-20 17:29:35 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1624 Message: 1624

I submitted my conference paper to ATVQ. Mr. Harlan would like more articles in ATVQ about ballooning. I'd like TVNSP to write a series of articles for publication. This is your opportunity to be published.

I've given an outline, we need to flesh it out in later articles. ATVQ is published quarterly and I'd like TVNSP to have an article in every issue.

We need short articles in the following topics.
Balloon trackers
Filling
Checklists
Prediction
etc

Can I get people to commit to articles? I was thinking Jeff could write one on setting up creating a balloon tracker with a KPC3, DJ-S11, and Etrex. John the Younger could do one on checklists and overall procedures, and John the Elder could write on balloon handling.

Please, everyone, pick a topic and let me know what it is. Let's get our name and recommendations out there.

Oh, be sure to include pics with your article. Share any ideas you have.

I'll be going on vacation Saturday. I'll be back one week later.

Paul

1625. Where's Paul?

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-20 18:09:16 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 1625 Message: 1625

Paul,

Tried to send you an e-mail, it bounced back.

Where should I send it?

Bill B.

1626. TVNSP video

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-20 18:12:34 UTC
From: Craig Brunson
Topic: 1626 Message: 1626

Paul-

I have been 'listenening in' on the sig about the great video TVNSP taped on their last flight. I was wondering if it would be possible to get a copy of the tape. I will be at my sister's in Meridian from Saturday the 22nd to the 26th, and would be available Sun or Mon to meet with someone. I have enjoyed reading about your flights.

Let me know of any cost or if you need a blank tape in exchange.

Thanks
73
Craig
N7TSZ

1627. Re: [tvnsp] Where's Paul?

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-20 19:07:57 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1625 Message: 1627

> Tried to send you an e-mail, it bounced back.
>
> Where should I send it?

I'm at paul.verhage@...

Paul

1628. Re: [tvnsp] TVNSP video

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-20 19:08:50 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1626 Message: 1628

I'll be gone on those days. Send me your address and I'll drop one
in the mail.

Paul
> Paul-
>
> I have been 'listenening in' on the sig about the great video TVNSP taped on
> their last flight. I was wondering if it would be possible to get a copy of
> the tape. I will be at my sister's in Meridian from Saturday the 22nd to
> the 26th, and would be available Sun or Mon to meet with someone. I have
> enjoyed reading about your flights.
>
> Let me know of any cost or if you need a blank tape in exchange.
>
> Thanks
> 73
> Craig
> N7TSZ
>
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>

1629. Re: [tvnsp] Where's Paul?

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-20 17:39:56 UTC
From: Rick Widmer
Topic: 1625 Message: 1629

verhap@... wrote:
>
> > Tried to send you an e-mail, it bounced back.
> >
> > Where should I send it?
>
> I'm at paul.verhage@...

Hmm... if you are paul.verhage@... why is your address
shown as

From: <verhap@...>

in the headers. Is it a setting in your email program, or is the mail
server messing things up? I tried sending a message to the From:
address and so far it hasn't bounced.
I thought I tried sending a message to this address recently and it
bounced, but then again my memory isn't what it used to be...

Rick

1630. Re: [tvnsp] Where's Paul?

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-20 19:24:16 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1625 Message: 1630

Boiseschools.org is the alias for occ1.

Paul

> verhap@... wrote:
> >
> > > Tried to send you an e-mail, it bounced back.
> > >
> > > Where should I send it?
> >
> > I'm at paul.verhage@...
>
>
> Hmm... if you are paul.verhage@... why is your address
> shown as
>
> From: <verhap@...>
>
> in the headers. Is it a setting in your email program, or is the mail
> server messing things up? I tried sending a message to the From:
> address and so far it hasn't bounced.
> I thought I tried sending a message to this address recently and it
> bounced, but then again my memory isn't what it used to be...
>
> Rick
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>

1631. Re: [tvnsp] "Son of TinyTrak" as possible MIM/TNC replacement

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-20 23:20:11 UTC
From: Rick Widmer
Topic: 1558 Message: 1631

Doug Rich wrote:
>
> Very good! If there is anyway I can help please let me know. I have
> lots of ideas but not much ability.

Cool, it is idea time. The better the initial design the easier it is to make it work.

> I might suggest the need for cut-down commands from the ground.

So the question is, does the comm controller handle the cut-down command itself, or pass it to the flight controller. See my reply to Mark about what my ideas are on the division of labor between the processors.

My initial idea would be that this should be a command passed to the flight controller for action, but an argument could be made that this is a critical function that the comm controller should be able to initiate even if the flight controller crashes.

> The LAUNCH command might also use a cut-down device to cut the lines
> holding the balloon before launch. This would also be an active test
> of a good deal of the electronics. If it does not release, then scrub
> the launch.

Same comments as above. Also do we want to fly the weight of two cut-down devices, and use the power at the start of the flight? I don't like the idea too much, but this is discussion time, so what does everyone think?

I think if you have two way communications with the payload there are a number of good ways to check things out before launch. For example you can put the system thru its paces and make sure all the commands you will be sending them and making sure things happen properly. You could even unplug the cut-down device and replace it with a LED to make sure that command is acted on properly.

> On flights where there is a float condition (we had on like this) the
> balloon goes up and down at the upper edge of the flight. A decent
> rate greater than some fixed amount, say 500 ft/m, would solve this
> problem. A storage of the highest altitude and then reported with the
> burst info would also help.

This is one reason I would like some way besides watching the GPS to detect burst. How long does it take to accelerate this fast? How much up and down did you see? Even if an audio burst detector works most of the time, watching the GPS data would be a good backup.

> Sound is very low at altitude and might be confused with other sounds
> (wind noise, string pops).

I've only watched (heard) one flight video, but in that tape the burst was noticibly the loudest event on the tape. I did not get to hear the landing as the tape ended first. I hope to get another video tape to play with and I'll know more after I watch (and listen) to it. Does anyone have any other ideas besides sound to detect burst?

> Also, as mentioned above, the cut-down device could cut the tether
> lines on a DTMF or APRS command to launch and record that as the
> launch time.

I definitly thing the device should be listening for APRS packets addressed to it. After all the hardware we need to receive comes free with the hardware we need to transmit, so it is just a matter of receiving APRS packets and looking for the balloon's callsign.

> Check out the VOI web site at http://www.voiceofidaho.org/ and pick
> "testing" from the menu.

Thanks! Maybe I'll be able to take the test next month.

Rick

1632. [Fwd: Re: [tvnsp] "Son of TinyTrak" as possible MIM/TNC replacement]

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-21 01:18:26 UTC
From: Rick Widmer
Topic: 1632 Message: 1632

Sorry, this did not go to the list the first time...

-------- Original Message --------
Subject: Re: [tvnsp] "Son of TinyTrak" as possible MIM/TNC replacement
Date: Thu, 20 Dec 2001 18:20:08 -0500
From: Rick Widmer <rwidmer@...>
Reply-To: rwidmer@...
Organization: Magic Valley Astronomical Society
To: Mark Conner <mconner@...>
References: <9fa695b7.95b79fa6@...>

Mark Conner wrote:
> So the PIC would have limited functionality, but would have to be
> tested thoroughly to ensure its reliability. If we have the PIC doing
> too much, we put at risk its primary function of transmitting data from
> the BS2.

Interesting, I came to the opposite conclusion for about the same
reason. I expect the PIC program to be tested to death and never
change, where the BS2 program is customized for each flight. I see more
risk with the BS2 programming than the PIC, so I'd rather cover the most
critical functions there. That way if you crash the mission program in
the BS2 you still get your position reports.

> If we include data reception, the comm processor could hand that back
> to the BS2 to determine what to do with it (cutdown, change beacon
> rate, etc.). Having an interrupt capability on the CC/PS (requiring
> replacement of the BS2 with something like the BasicMicro ATOM) would
> help with ensuring commands aren't missed.

I think we would be crazy not to use the receive channel for commands.
You probably want the controller listening so it doesn't step on other
transmissions (a function of the MX614 modem chip) so you need to feed
audio to the modem. Once you have that connection made you have serial
data from all APRS packets on one of the modem pins. The PIC-E code on
the TAPR web site should handle decoding packets, so that is pretty much
already written.

The PIC is already doing interrupt processing on the incoming serial
data streams so we could just make it responsible for buffering
commands, and let the flight controller ask for commands when ever it is
ready to accept them.

My biggest worry was how much processor it will take to monitor 4 serial
inputs. I found a thread on the PICLIST that looks like someone is
planning on making a 4 serial input MIDI application that runs at
31,250bps, with a 20MHz PIC clock rate, so our 1,200bps data streams

should be no problem.

http://www.infosite.com/~jkeyzer/piclist/1999/Oct/0789.html

One thing to consider is the PIC-E already manages to read serial data from the radio/modem and one GPS, and promises leftover processor cycles to "decode the incoming serial data and construct outgoing packets, but to do significant amount of processing of the data as well." They are doing it with a 10MHx processor, and 20Mhz is available.

If we use a synchronous serial interface like SPI between the communications controller and the mission controller we can simplify that connection. Does the BS2 have support for SPI? (I've never worked with one.)

Another way to offload serial communications would be the Maxim MAX3100 SPI UART:

http://dbserv.maxim-ic.com/quick_view2.cfm?qv_pk=1731

I think this is probably overkill, but if we can't get enough instructions/second out of a pic monitoring the serial inputs directly, we can add a couple of these to monitor the GPS inputs and offload a lot of work. The 3100 will buffer up to 16 bytes and interrupt the PIC when data becomes available.

Rick

1633. Re: [tvnsp] "Son of TinyTrak" as possible MIM/TNC replacement

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-21 04:00:42 UTC
From: Doug Rich
Topic: 1558 Message: 1633
Attachments: 1 described; binary payloads are missing from this source WARC

At 06:20 PM 12/20/01 -0500, you wrote:

>Doug Rich wrote:
> >
> > Very good! If there is anyway I can help please let me know. I have
> > lots of ideas but not much ability.
>
>Cool, it is idea time. The better the initial design the easier it is
>to make it work.
>
>
> > I might suggest the need for cut-down commands from the ground.
>
>So the question is, does the comm controller handle the cut-down command
>itself, or pass it to the flight controller. See my reply to Mark about
>what my ideas are on the division of labor between the processors.

I like the comm controller doing it. The flight controller should do it also.

>My initial idea would be that this should be a command passed to the
>flight controller for action, but an argument could be made that this is
>a critical function that the comm controller should be able to initiate
>even if the flight controller crashes.
>
> > The LAUNCH command might also use a cut-down device to cut the lines
> > holding the balloon before launch. This would also be an active test
> > of a good deal of the electronics. If it does not release, then scrub
> > the launch.
>
>Same comments as above. Also do we want to fly the weight of two
>cut-down devices, and use the power at the start of the flight? I don't
>like the idea too much, but this is discussion time, so what does
>everyone think?

The cut-downs are very light weight. I would also suggest a solar panel to handle some of the power requirements during the flight. This can also be very light and will produce very good power during flight. 5 volts at 4 amps should be possible.

>I think if you have two way communications with the payload there are a
>number of good ways to check things out before launch. For example you
>can put the system thru its paces and make sure all the commands you
>will be sending them and making sure things happen properly. You could
>even unplug the cut-down device and replace it with a LED to make sure
>that command is acted on properly.

>
> > On flights where there is a float condition (we had on like this) the
> > balloon goes up and down at the upper edge of the flight. A decent
> > rate greater than some fixed amount, say 500 ft/m, would solve this
> > problem. A storage of the highest altitude and then reported with the
> > burst info would also help.
>
>This is one reason I would like some way besides watching the GPS to
>detect burst. How long does it take to accelerate this fast?

I have included an attachment that has an excel file with the last altitude
info that happened during our float. Note. the info does suggest that there
is no missing data. We lost battery at the end, due to the long float time.

> How much
>up and down did you see? Even if an audio burst detector works most of
>the time, watching the GPS data would be a good backup.
>
> > Sound is very low at altitude and might be confused with other sounds
> > (wind noise, string pops).
>
>I've only watched (heard) one flight video, but in that tape the burst
>was noticibly the loudest event on the tape. I did not get to hear the
>landing as the tape ended first. I hope to get another video tape to
>play with and I'll know more after I watch (and listen) to it. Does
>anyone have any other ideas besides sound to detect burst?
>
>
> > Also, as mentioned above, the cut-down device could cut the tether
> > lines on a DTMF or APRS command to launch and record that as the
> > launch time.
>
>I definitly thing the device should be listening for APRS packets
>addressed to it. After all the hardware we need to receive comes free
>with the hardware we need to transmit, so it is just a matter of
>receiving APRS packets and looking for the balloon's callsign.
>
>
>
> > Check out the VOI web site at http://www.voiceofidaho.org/ and pick
> > "testing" from the menu.
>
>
>Thanks! Maybe I'll be able to take the test next month.
>
>
>Rick
>
>
>To unsubscribe from this group, send an email to:
>tvnsp-unsubscribe@egroups.com

>
>
>
>Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

1634. Re: [tvnsp] "Son of TinyTrak" as possible MIM/TNC replacement

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-21 14:36:10 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1558 Message: 1634

The MIM and Tiny Trak (as I recall) are really mos, rather than modems. We used a timer sucessfully on the last mission to cut the balloon away. We'll continue doing that, but give the CC/PS the ability to terminate the flight, along with a DTMF decoder.

Selecting a MIM over a Tiny Trak or Tiny Trak over a MIM shouldn't matter except for code used to send telemetry. I'll do some more research and design a CC/PS for the Tiny Trak for those who want to go that way. As Mark said, I may be taking advantage of a "bug" in the MIM rather a than a feature in my current design. I like the idea that we can write code for the Tiny Trak, it's not just a black box that puts me at a disadvantage, becuase I don't know what's happening or even if the MIM will be available in the future.

Paul

1635. Re: Neat stuff from RS

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-21 14:38:10 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1635 Message: 1635

Doug, I'm going to pass this message onto the group.

I have an ultrasonic unit (surplus) that I'd like to test on a future flight. I'd like to see if we can detect the ground just before the capsule lands.

Paul

> Paul,
> I just pickup:
> An Ultrasonic Parking Assistant 63-1007 the kind used for help park your car.
> A Desktop Message Center 63-1006.
> Both of these units can be use for electronic projects. The parking
> assistant has a great ultrasonic system that can detect objects from 5" to
> 10'. Sale price $19.95 The Desktop system has two great LCD, one a 2 x 40
> char. text screen and the other for Date & temp. This one is only
> $9.95. It would cost more for just the screen.
>
>
> Doug KD6GCL
>
> kd6gcl@...
> doug@...
>

1636. Re: [Fwd: Re: [tvnsp] "Son of TinyTrak" as possible MIM/TNC replacement]

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-21 14:50:31 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1632 Message: 1636

```
> > So the PIC would have limited functionality, but would have to be
> > tested thoroughly to ensure its reliability. If we have the PIC doing
> > too much, we put at risk its primary function of transmitting data from
> > the BS2.
>
> Interesting, I came to the opposite conclusion for about the same
> reason. I expect the PIC program to be tested to death and never
> change, where the BS2 program is customized for each flight. I see more
> risk with the BS2 programming than the PIC, so I'd rather cover the most
> critical functions there. That way if you crash the mission program in
> the BS2 you still get your position reports.

Is this PIC the one on the Tiny Trak?

My preference is to have the TNC send what ever data it recieves
from the BS2p.

>
> > If we include data reception, the comm processor could hand that back
> > to the BS2 to determine what to do with it (cutdown, change beacon
> > rate, etc.). Having an interrupt capability on the CC/PS (requiring
> > replacement of the BS2 with something like the BasicMicro ATOM) would
> > help with ensuring commands aren't missed.
>
> I think we would be crazy not to use the receive channel for commands.

So this TNC does decode packets? I didn't know that. The BS2p
has a pseudo interrupt. Rather than use that, I'd rather give the
world a time slice to sends commands to the capsule. Perhaps
I'm just not an interupt-driven kind of guy.

> You probably want the controller listening so it doesn't step on other
> transmissions (a function of the MX614 modem chip) so you need to feed
> audio to the modem.

The MIM has a hold-off feature that does this. Packets are so
small that I'm not too concerned with this. However, I will purchase
a ramdrive for the CC/PS for storing flight data. however, this is
primarily for making my job easier of analyzing data. I really don't
need to know where all the chase vehicles were located during the
mission (which is some of the chatter I get in the current logs).

> One thing to consider is the PIC-E already manages to read serial data
> from the radio/modem and one GPS, and promises leftover processor cycles
> to "decode the incoming serial data and construct outgoing packets, but
```

> to do significant amount of processing of the data as well." They are
> doing it with a 10MHx processor, and 20Mhz is available.

Okay, so this is the PIC-E, not the Tiny Trak. More research.

> If we use a synchronous serial interface like SPI between the
> communications controller and the mission controller we can simplify
> that connection. Does the BS2 have support for SPI? (I've never worked
> with one.)

All Basic Stamps do SPI. The BS2 series has native commands
built in, rather than kludging it as the BS-1 does. I use SPI on the
CC/PS for the ADCs (MAX186). The BS2p also does One-wire,
which I have given some thought to use for a iButton EEPROM (the
black box, data recorder).

By the way, I watched Lord of the Rings last night. They took a
few liberties with the book and dropped parts.

Paul

1637. (Fwd) Re: [tvnsp] "Son of TinyTrak" as possible MIM/TNC replac

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-21 14:58:18 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1637 Message: 1637

This one bounced, let me try again....

> >So the question is, does the comm controller handle the cut-down command
> >itself, or pass it to the flight controller. See my reply to Mark about
> >what my ideas are on the division of labor between the processors.
>
> I like the comm controller doing it. The flight controller should do it also.

That's my feeling also. Redunancy is the word, even when I'm poor
at meeting that goal.

> > > The LAUNCH command might also use a cut-down device to cut the lines
> > > holding the balloon before launch. This would also be an active test
> > > of a good deal of the electronics. If it does not release, then scrub
> > > the launch.

The new launch controller will use ground based batteries and
controls. I use to test capsules at the launch site by downloading
a test program, however, now that I'm forced to launch everywhere
but inside a building with power, I've dropped this. This is one
positive thing to say about Kansas.

> The cut-downs are very light weight. I would also suggest a solar panel to
> handle some of the power requirements during the flight. This can also be
> very light and will produce very good power during flight. 5 volts at 4
> amps should be possible.

When you get your copy of the video, you'll see what little effect
the cutdown has on the rest of the descent. It's that #$%!@##^%$
balloon hanging off 30 feet of load line that really messes up the
descent. I'm thinking that we may get away with a shorted load
line now that we have a tested cutdown device.

As for the solar cell idea...
Where we're going, its always a sunshiny day. They should work
well. I just want to make sure they're lighter than batteries.

Paul

1638. Holiday Season

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-21 16:43:48 UTC
From: John Knapp
Topic: 1626 Message: 1638

As the Holidays draw nearer and nearer, I would like to take a moment to wish everyone a safe, happy Christmas and New Years.

This past year has been fun and both Deb and I are looking forward to working with the group in launching and chasing the balloons again next year. While I am not actively building a capsule or any electronics this winter, I will be working on understanding APRS and some other 'basic' stuff so next year will be more fun for us.

Again, wishing everyone a Merry Christmas and Happy New Years.

John Knapp, KD7HGS

_____
Do You Yahoo!?
Check out Yahoo! Shopping and Yahoo! Auctions for all of your unique holiday gifts! Buy at http://shopping.yahoo.com or bid at http://auctions.yahoo.com

1639. Re: [tvnsp] Holiday Season

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-21 16:48:45 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1626 Message: 1639

> As the Holidays draw nearer and nearer, I would like
> to take a moment to wish everyone a safe, happy
> Christmas and New Years.
>
> This past year has been fun and both Deb and I are
> looking forward to working with the group in launching
> and chasing the balloons again next year. While I am
> not actively building a capsule or any electronics
> this winter, I will be working on understanding APRS
> and some other 'basic' stuff so next year will be more
> fun for us.
>
> Again, wishing everyone a Merry Christmas and Happy
> New Years.

Merry Christmas to all and I'll see you at our next meeting (with a
big meteorite!).

Paul

1640. comm controller

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-22 09:07:37 UTC
From: Rick Widmer
Topic: 1640 Message: 1640

>
> Is this PIC the one on the Tiny Trak?

No. I am looking at stealing some of the hardware design from PIC-E,
and mgray's devices and building something from scratch. My profession
is programmer, so my interest is in making a custom program that does
the exact job needed, rather than using something close and already
available.

> My preference is to have the TNC send what ever data it recieves
> from the BS2p.

There is no TNC here. The TNC function is inside the PIC, but once you
leave existing programs behind you can do what ever you want. Consider
that if you look at the TinyTrac, PIC-E, MIM, MIC-E, and even the custom
tracker mgray designed, the one thing they all have in common is a PIC
chip. TinyTrac and PIC-E source code is available for use or study.

> So this TNC does decode packets? I didn't know that. The BS2p
> has a pseudo interrupt. Rather than use that, I'd rather give the
> world a time slice to sends commands to the capsule. Perhaps
> I'm just not an interupt-driven kind of guy.

BASIC isn't an interupt friendly language. I can do anything we want
within the limits of RAM, ROM and I/O pins. Looking at the PIC family,
that isn't all that limiting. RAM is probably the worst limit for this
application. There is alot of data that needs to be buffered to make
sure valid data is always available for transmission. I am thinking
about using the PIC16F77, because of the number of I/O pins and amount
of memory. Digi-Key has them for $8.40 each, quanity 1. The chip is
available in DIP package for prototyping or PLCC(L), and TQFP(PT) which
allow for a much smaller and lighter surface mount board.

> The MIM has a hold-off feature that does this. Packets are so
> small that I'm not too concerned with this. However, I will purchase
> a ramdrive for the CC/PS for storing flight data. however, this is
> primarily for making my job easier of analyzing data. I really don't
> need to know where all the chase vehicles were located during the
> mission (which is some of the chatter I get in the current logs).

Before the next flight I should have a program that will eat logfiles
and spit out a sinble copy of what the capsule sent. It is a pretty
trivial program, I just need to write it.

> All Basic Stamps do SPI. The BS2 series has native commands
> built in, rather than kludging it as the BS-1 does. I use SPI on the
> CC/PS for the ADCs (MAX186). The BS2p also does One-wire,

> which I have given some thought to use for a iButton EEPROM (the
> black box, data recorder).

Cool, I will probably make the flight controller interface a SPI Slave, with the flight controller the master. Every message to the flight controller will be buffered (up to the PIC RAM limit) and passed to the flight controller on request. At any time you can read a byte from the comm controller. If there is a message in the queue you will get a character. When a complete message is passed you will get a 0 value. All messages will be ascii characters as defined in the APRS spec. If you get two 0s in a row threre are no more messages.

The flight controller can send status reports to the comm controller as often as it wants, the comm controller will buffer them, and send the most recent complete message when it is time to send a status report.

BTW, I've been researching the APRS specs, and I missused the term "MESSAGE" earlier. Event reports like LAUNCH, BURST and anything else sent from the balloon will be in a bulletin. Bulletins go to everyone listening in on APRS. Messages are addressed to an individual, and must be acknowleged or rejected or they will be retransmitted ad nauseum. Commands sent to the ballon will be APRS messages, and and ACK or REJ message will be sent back to the sender depending in if the comm controller understands the message.

Here is an interesting URL on how to read a serial data stream from a program:

http://www.brouhaha.com/~eric/pic/bitbanging.html

1641. Re: [tvnsp] comm controller

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-22 20:28:22 UTC
From: Zack Clobes
Topic: 1640 Message: 1641

I have developed a PIC based ARPS transmitter/motherboard for ballooning. Unfortunately my website is currently down, but if you're interested, I can post some details on here.

Basically, it's a PIC16F876-based controller with an MX614 modem and a bunch of I/O ports. It's closely based off of the PIC-E but I've re-worked the code to fit ballooning. The code that I plan on sending up in ?February? has the ability to watch the altitude coming from the GPS and take pictures/turn on ATV at appropriate levels. Everything is written in CCS's C-compiler.

The board that I sent Paul is the same design, but that was the first revision. I'm currently on the third and have two successful flights on the basic APRS software routines.
Zack Clobes, W0ZC
----- Original Message -----
From: Rick Widmer
To: tvnsp@yahoogroups.com
Sent: Saturday, December 22, 2001 1:07 AM
Subject: [tvnsp] comm controller

>
> Is this PIC the one on the Tiny Trak?

No. I am looking at stealing some of the hardware design from PIC-E, and mgray's devices and building something from scratch. My profession is programmer, so my interest is in making a custom program that does the exact job needed, rather than using something close and already available.

> My preference is to have the TNC send what ever data it recieves
> from the BS2p.

There is no TNC here. The TNC function is inside the PIC, but once you leave existing programs behind you can do what ever you want. Consider that if you look at the TinyTrac, PIC-E, MIM, MIC-E, and even the custom tracker mgray designed, the one thing they all have in common is a PIC chip. TinyTrac and PIC-E source code is available for use or study.

> So this TNC does decode packets? I didn't know that. The BS2p
> has a pseudo interrupt. Rather than use that, I'd rather give the
> world a time slice to sends commands to the capsule. Perhaps
> I'm just not an interupt-driven kind of guy.

BASIC isn't an interupt friendly language. I can do anything we want within the limits of RAM, ROM and I/O pins. Looking at the PIC family, that isn't all that limiting. RAM is probably the worst limit for this application. There is alot of data that needs to be buffered to make sure valid data is always available for transmission. I am thinking about using the PIC16F77, because of the number of I/O pins and amount

of memory. Digi-Key has them for $8.40 each, quanity 1. The chip is available in DIP package for prototyping or PLCC(L), and TQFP(PT) which allow for a much smaller and lighter surface mount board.

> The MIM has a hold-off feature that does this. Packets are so
> small that I'm not too concerned with this. However, I will purchase
> a ramdrive for the CC/PS for storing flight data. however, this is
> primarily for making my job easier of analyzing data. I really don't
> need to know where all the chase vehicles were located during the
> mission (which is some of the chatter I get in the current logs).

Before the next flight I should have a program that will eat logfiles and spit out a sinble copy of what the capsule sent. It is a pretty trivial program, I just need to write it.

> All Basic Stamps do SPI. The BS2 series has native commands
> built in, rather than kludging it as the BS-1 does. I use SPI on the
> CC/PS for the ADCs (MAX186). The BS2p also does One-wire,
> which I have given some thought to use for a iButton EEPROM (the
> black box, data recorder).

Cool, I will probably make the flight controller interface a SPI Slave, with the flight controller the master. Every message to the flight controller will be buffered (up to the PIC RAM limit) and passed to the flight controller on request. At any time you can read a byte from the comm controller. If there is a message in the queue you will get a character. When a complete message is passed you will get a 0 value. All messages will be ascii characters as defined in the APRS spec. If you get two 0s in a row threre are no more messages.

The flight controller can send status reports to the comm controller as often as it wants, the comm controller will buffer them, and send the most recent complete message when it is time to send a status report.

BTW, I've been researching the APRS specs, and I missused the term "MESSAGE" earlier. Event reports like LAUNCH, BURST and anything else sent from the balloon will be in a bulletin. Bulletins go to everyone listening in on APRS. Messages are addressed to an individual, and must be acknowleged or rejected or they will be retransmitted ad nauseum. Commands sent to the ballon will be APRS messages, and and ACK or REJ message will be sent back to the sender depending in if the comm controller understands the message.

Here is an interesting URL on how to read a serial data stream from a program:

http://www.brouhaha.com/~eric/pic/bitbanging.html

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1642. APRS logfile analysis program

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-22 18:22:11 UTC
From: Rick Widmer
Topic: 1642 Message: 1642

I've finally got something worth looking at on the APRS logfile analysis program. You can see the results for flight TV01F at:

http://www.mvas.net/balloon/tv01f.php

I wonder what happend around 42,000 ft on the way down? (7:07:02) The capsule appears to have lost half its descent rate, and doubled its horizontal velocity, in one minute. Is this the jet stream maybe? I see a similar glitch in speed (horizontal) during ascent, but it is not as drastic. It should be very interesting when I have the data reduction part tested and I try to graph the data.

Anyway... Now I need more test data! If anyone has APRS $ raw data of GGA and RMC packets for any flights, please email it to me directly. I will create similar web pages for all the different flights I receive. As masochistic as it may sound, I prefer very raw data, including all the vehicle positions and everything. If you have more than one log of a flight, I would like them all. This program is supposed to be able to filter out all other stations, and eliminate duplicate entries. I may as well give it a workout!

Please either send me plain text files, or copy and paste the data into a message. I don't have an easy way to use .doc or .xls files. Sorry. Unless there are Bulletins with the flight number, and title in the logs, please let me know what you would like to see st the page heading. Also, please let me know the callsign of the balloon.

When I am happy with the program, I will make the source code available for anyone with PHP available on thier server to use, and a server that will allow you to upload raw logs to be processed so you can grab the resulting HTML and add it to a site without PHP.

Comments and suggestions are welcome.

Rick

1643. Re: [tvnsp] comm controller

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-22 18:22:52 UTC
From: Rick Widmer
Topic: 1640 Message: 1643

> I have developed a PIC based ARPS transmitter/motherboard for ballooning.
> Unfortunately my website is currently down, but if you're interested, I
> can post some details on here.

Yes, I'm very interested!!!

Have you tried, or considered receiving APRS messages as commands to the system?

Are you using the A/D inputs and such to generate T packets? If so do you do anything with Names, Units/Labels and Coefficients?

Are you running the camera and other experiments directly off the PIC, or do you have another processor on the flight?

How are you sending position packets? /,@ or $

When you get your site back up, please let me know!

Rick

1644. Re: [tvnsp] comm controller

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-22 21:37:15 UTC
From: Hank Riley
Topic: 1640 Message: 1644

Zack,

Could you us what your latest PC board dimensions are?

I'm also getting interested in a design that could be
configured particularly for balloon use, but would also
be suited for terrestial use.

I favor designs that employ a separate modem rather than
a PIC software modem.

I've been using PIC assembler and compiler developed
telemetry devices on our SkyQuest balloons for several
years. I'm not too sure how relevant the design philosophy
of these SkyQuest controllers would be to TVNSP, but Paul
has asked for an introductory discussion of the controllers
on the list, so I guess I'll put a short email together on
the subject.

Hank

--- Zack Clobes <zclobes@...> wrote:

> The board that I sent Paul is the same design, but that was the first
> revision. I'm currently on the third and have two successful flights
> on the basic APRS software routines.
> Zack Clobes, W0ZC

_____
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1645. Re: [tvnsp] comm controller

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-23 00:16:43 UTC
From: Zack Clobes
Topic: 1640 Message: 1645
Attachments: 1 described; binary payloads are missing from this source WARC

3x4 (or 4.5... whatever Jameco's photo-resist boards are). It has a SMT connector on the back side that plugs into a daughterboard. The daughterboard contains and circuitry that is specific to a particular launch (baro, servo drivers, etc). The two boards then bolt together. That way, you don't have to start totally from scratch each time you change your payload - you just build another daughterboard and recompile the firmware. It even has in-circuit programming so you don't have to remove the chip - just unplug everything and hook the programmer in.

The motherboard has a temp sensor and primary battery indicator, along with a couple of A/D about ten digital I/O including the RS-232 UART capable pins. Received audio and GPS data are pass along to the daughterboard for DTMF decoding or a secondary processor.

The above picture shows the motherboard (no daughter in this pic), mounted to a Plexiglas chassis with a Garmin GPS-35 and a VX-1R.

I'm also in the process of developing a SMT version that would use the 16F877 for more A/D.
W0ZC
----- Original Message -----
From: Hank Riley
To: tvnsp@yahoogroups.com
Sent: Saturday, December 22, 2001 1:37 PM
Subject: Re: [tvnsp] comm controller

Zack,

Could you us what your latest PC board dimensions are?

I'm also getting interested in a design that could be
configured particularly for balloon use, but would also
be suited for terrestial use.

I favor designs that employ a separate modem rather than
a PIC software modem.

I've been using PIC assembler and compiler developed
telemetry devices on our SkyQuest balloons for several
years. I'm not too sure how relevant the design philosophy
of these SkyQuest controllers would be to TVNSP, but Paul
has asked for an introductory discussion of the controllers
on the list, so I guess I'll put a short email together on
the subject.

Hank

--- Zack Clobes <zclobes@...> wrote:

> The board that I sent Paul is the same design, but that was the first
> revision. I'm currently on the third and have two successful flights
> on the basic APRS software routines.
> Zack Clobes, W0ZC

_____
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1646. Re: [tvnsp] APRS logfile analysis program

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-24 18:41:31 UTC
From: Rick Widmer
Topic: 1642 Message: 1646

If anyone has looked at this already, you might want to look again.
I've added some graphs, and now I'm trying to work out a way to show the balloon's track on a map. Stay tuned...

Rick

Rick Widmer wrote:
> I've finally got something worth looking at on the APRS logfile analysis
> program. You can see the results for flight TV01F at:
>
> http://www.mvas.net/balloon/tv01f.php
>
> I wonder what happend around 42,000 ft on the way down? (7:07:02) The
> capsule appears to have lost half its descent rate, and doubled its
> horizontal velocity, in one minute. Is this the jet stream maybe? I
> see a similar glitch in speed (horizontal) during ascent, but it is not
> as drastic. It should be very interesting when I have the data
> reduction part tested and I try to graph the data.
>
> Anyway... Now I need more test data! If anyone has APRS $ raw data of
> GGA and RMC packets for any flights, please email it to me directly. I
> will create similar web pages for all the different flights I receive.
> As masochistic as it may sound, I prefer very raw data, including all
> the vehicle positions and everything. If you have more than one log of
> a flight, I would like them all. This program is supposed to be able to
> filter out all other stations, and eliminate duplicate entries. I may
> as well give it a workout!
>
> Please either send me plain text files, or copy and paste the data into
> a message. I don't have an easy way to use .doc or .xls files. Sorry.
> Unless there are Bulletins with the flight number, and title in the
> logs, please let me know what you would like to see st the page
> heading. Also, please let me know the callsign of the balloon.
>
> When I am happy with the program, I will make the source code available
> for anyone with PHP available on thier server to use, and a server that
> will allow you to upload raw logs to be processed so you can grab the
> resulting HTML and add it to a site without PHP.
>
> Comments and suggestions are welcome.
>
> Rick
>
>

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>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

1647. Re: [tvnsp] APRS logfile analysis program

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-24 21:29:47 UTC
From: Mark Conner
Topic: 1642 Message: 1647

Hi Rick,

Neat program - I take it this makes the HTML and graphics automatically from a log file? Not familiar with PHP's capabilities.

Note that between 07:07 and 07:09 in this log that the xDOP went up and the # of satellites went down. My guess is that the fix quality for the altitude went down quite a bit too and the altitude numbers here aren't that reliable. Perhaps the payload was swinging quite violently and was not seeing enough satellites consistently. Or perhaps power problems were causing the GPS to have difficulty.

73 de Mark N9XTN

> > I've finally got something worth looking at on the APRS logfile analysis
> > program. You can see the results for flight TV01F at:
> >
> > http://www.mvas.net/balloon/tv01f.php
> >
> > I wonder what happend around 42,000 ft on the way down? (7:07:02) The
> > capsule appears to have lost half its descent rate, and doubled its
> > horizontal velocity, in one minute. Is this the jet stream maybe? I
> > see a similar glitch in speed (horizontal) during ascent, but it is not
> > as drastic. It should be very interesting when I have the data
> > reduction part tested and I try to graph the data.

1648. Re: [tvnsp] APRS logfile analysis program

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-24 20:03:33 UTC
From: Rick Widmer
Topic: 1642 Message: 1648

Mark Conner wrote:
>
> Hi Rick,
>
> Neat program - I take it this makes the HTML and graphics automatically from
> a log file? Not familiar with PHP's capabilities.
>

What I have in mind is you can upload 1-10 different APRS logs from a flight and a program combines them subtracting out duplicate entries. (This should take care of times when one of station is not receiving data and another is.) Then I will spit out a combined log that you can load back into APRS to re-play the event, with all stations, and another log that is just the balloon. Both of these files can be placed on a web site for future reference.

Then a second program (the one you are seeing) takes the balloon's log and does the analysis. Right now it is sending the results of the analysis when it is run, but it will be more efficient to write the output to a file, and make that a static web page. If I can get some logs with "T" telemetry packets and PARM, UNIT, EQNS and BITS messages I will make it show telemetry data too.

To everyone: If you have some raw APRS logs of balloon flights, please send them to me. I especialy would like logs from more than one station of the same flight so I can test the first program.

Rick

1649. Re: [tvnsp] APRS logfile analysis program

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-25 06:00:01 UTC
From: Rick Widmer
Topic: 1642 Message: 1649

I have now added three maps of the flight profile. One is from above looking down, one is looking north from well south of the flight area, and the other is looking west from well east of the flight area. It is not quite as cool as the SPSS 3-D graph Raplh posted, but PHP can do the whole job in one script.

Rick

1650. Re: [tvnsp] APRS logfile analysis program

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-25 23:00:40 UTC
From: Jeff Melanson
Topic: 1642 Message: 1650
Attachments: 1 described; binary payloads are missing from this source WARC

Rick Widmer wrote:

>
> To everyone: If you have some raw APRS logs of balloon flights, please
> send them to me. I especialy would like logs from more than one station
> of the same flight so I can test the first program.

Rick,

Here is one from TVO1G.

1651. Re: [tvnsp] APRS logfile analysis program

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-26 03:50:45 UTC
From: Rick Widmer
Topic: 1642 Message: 1651

Jeff Melanson wrote:
>
> Rick Widmer wrote:
>
> >
> > To everyone: If you have some raw APRS logs of balloon flights, please
> > send them to me. I especialy would like logs from more than one station
> > of the same flight so I can test the first program.
>
> Rick,
>
> Here is one from TVO1G.

Cool! It may take a little while to get thru this file, as it is the
first full raw log I've seen, but once it is done, it should be pretty
easy to do the next one. I may even have a web site where you can
upload logs directly for analysis.

Rick

1652. KD4STH - bug in tracker?

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-26 13:35:41 UTC
From: Rick Widmer
Topic: 1652 Message: 1652

Looking thru the TV01G log Jeff sent me I noticed a couple of things.

1. KD4STH-11 never had an echo from a digipeater.

2. Your packets all look like:

KD4STH-11>APRS,WIDE,3-3:
^

KD7INN's packets, along with all the other wide packets look like:

KD7INN-11>GPSP0,WIDE3-3:

I don't see anywhere in the APRS protocol reference that shows any punctuation between the WIDE and the distance values. I suspect that may be why your packets never get sent on thru the digipeaters.

Rick

1653. Re: [tvnsp] KD4STH - bug in tracker?

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-26 16:30:34 UTC
From: Randy Farley
Topic: 1652 Message: 1653

Rick

Your observation is correct. The comma is short for the "via" between alias paths. ie, CALL,WIDEn or CALL via WIDEn or CALL,WIDEn-n where the first n indicates the number of hops. The second n is countdown indicator showing how many hops the station took to get to a destination. You dont miss a thing,glad to see you are analyzing our data. I like the spreadsheet!!

BTW, did you get my raw data file i sent you 2or3 weeks ago? I believe it was TV01 H ?
Hope everyone had a nice Christmas.

Rick Widmer wrote:
>
> Looking thru the TV01G log Jeff sent me I noticed a couple of things.
>
> 1. KD4STH-11 never had an echo from a digipeater.
>
> 2. Your packets all look like:
>
> KD4STH-11>APRS,WIDE,3-3:
> ^
>
> KD7INN's packets, along with all the other wide packets look like:
>
> KD7INN-11>GPSP0,WIDE3-3:
>
> I don't see anywhere in the APRS protocol reference that shows any
> punctuation between the WIDE and the distance values. I suspect that
> may be why your packets never get sent on thru the digipeaters.
>
> Rick
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

--
Regards,
Randy Farley
N7GPS -Ham Call-

My Home at: http://map.findu.com/n7gps
Find my pickup at: http://map.findu.com/n7gps-9
Also see daily weather radar reports for my location at:
(scroll to bottom of page)
http://www.findu.com/cgi-bin/find.cgi?call=n7gps&radar=CBX

1654. Re: [tvnsp] KD4STH - bug in tracker?

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-26 19:19:38 UTC
From: Bill Herrmann
Topic: 1652 Message: 1654

At 08:35 AM 12/26/01 -0500, you wrote:
>1. KD4STH-11 never had an echo from a digipeater.

We had a significantly harder time hearing KD4STH than KD7INN. Paul thinks
he didn't have the tones dialed in right. (Moot point on that particular
MIM module now. 8^( )

>KD4STH-11>APRS,WIDE,3-3:
[snip]
>I don't see anywhere in the APRS protocol reference that shows any
>punctuation between the WIDE and the distance values. I suspect that
>may be why your packets never get sent on thru the digipeaters.

Correct, the 3-3 would not have counted in this case. However, the local
digipeaters should have answered to "wide" so that isn't the only explanation.

Bill

1655. Re: [tvnsp] KD4STH - bug in tracker?

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-26 17:51:38 UTC
From: Rick Widmer
Topic: 1652 Message: 1655

Bill Herrmann wrote:
>
> At 08:35 AM 12/26/01 -0500, you wrote:
> >1. KD4STH-11 never had an echo from a digipeater.
>
> We had a significantly harder time hearing KD4STH than KD7INN. Paul thinks
> he didn't have the tones dialed in right. (Moot point on that particular
> MIM module now. 8^( )

> Correct, the 3-3 would not have counted in this case. However, the local
> digipeaters should have answered to "wide" so that isn't the only explanation.

I've had more time to look at the data, and there is definitly something
more wrong. you can look thru the data at:

http://piemur.developersdesk.com/balloon/flights/tvnsp/TV01G/aprs/

The raw directory contains an entire APRS log for the flight.

The cleaned directory contains the same data, with blank lines, local
commands and digipeater echoes removed.

The combined directory contains a separate file for each callsign that
appears in the APRS logs.

I have a file of raw packets from KD4STH in

http://piemur.developersdesk.com/balloon/flights/tvnsp/TV01G/aprs/jkl

Notice that many of the packets don't have valid GPS MNEA message
identifiers. The vast majority have one or two characters from the ID
string missing. I don't think there are a dozen properly formed packets
in the file. The data after the NMEA identifiers looks resonable as far
as I can tell, but I don't think I'm going to worry about further
analysis of this tracker's output.

Rick

1656. Re: [tvnsp] KD4STH - bug in tracker?

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-27 06:35:37 UTC
From: Bill Herrmann
Topic: 1652 Message: 1656

At 12:51 PM 12/26/01 -0500, you wrote:
>Notice that many of the packets don't have valid GPS MNEA message
>identifiers. The vast majority have one or two characters from the ID
>string missing. I don't think there are a dozen properly formed packets
>in the file. The data after the NMEA identifiers looks resonable as far
>as I can tell, but I don't think I'm going to worry about further
>analysis of this tracker's output.

Hmmm, I'll take a look also, but should mention that the tail end of the NMEA string will be missing too. Paul has a 65 character buffer that he can stuff the NMEA string into and it's typically longer than 65 characters. The main part of the data should be there but if any software is expecting to find the checksum it won't be there.

I think this might be a good argument for the communications controller... Seems like it could deal with the GPS data and just pass needed data to the flight controller in a more compact form.

Ok - just looked at the data. I don't want to try tonight (too tired to be comparing bits accurately!) but my gut feel is the corruption you see may be single bit errors. I'd have to look at the binary representation of the ASCII characters but I think you may be seeing bit errors in the prefix.

One explanation would be the tones being "off". However, I think that's unlikely since the $GP prefix is always correct and so is the $GPGLL which Paul generates.

The other likely explanation would be that the flight controller is making errors as it reads the GPS data. My understanding is that it looks for the $GP to know when to start copying into that 65 byte buffer. If the timing is off a little it would be really easy to muck up the first byte or two. A quick glance shows no places where the character following the $GP is corrupted, but if Paul is using that character to determine what to do he probably would bypass one that wasn't recognized. This could explain why we got so few positions for STH.

I guess the good news here is that we can check this on the ground!

Bill

1657. Re: [tvnsp] KD4STH - bug in tracker?

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-27 17:49:41 UTC
From: Hank Riley
Topic: 1652 Message: 1657

--- Bill Herrmann <bherrman@...> wrote:

[big snip of theories of APRS transmission error mechanisms]

> I guess the good news here is that we can check this on
> the ground!

Let's run the GPS/STAMP/MIM combo soon, in the off season
and on the ground, to nail down this problem definitively.

With more than one party expressing an interest in a
packet assembling controller, it's likely that a better,
cleaner solution will be available eventually ... the only
question is when.

I'm moving ahead on getting circuit boards fabricated that
will me modified Mike Gray layouts. There may be two
distinct PCB options.

The rest of the mods for special purposes can be handled in
software and by leaving out PCB components not needed.
This design will have application on and off balloons.

Hank

_____
Do You Yahoo!?
Send your FREE holiday greetings online!
http://greetings.yahoo.com

1658. TV01H log

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-27 22:33:26 UTC
From: Mark Conner
Topic: 1658 Message: 1658

Can someone e-mail me (or post to the files area) a TNC log file from TV01H? I'm interested in all packets heard, from the chase team posits as well as the balloon beacons. Thanks!

BTW, I have the video and audio tapes Paul sent me. The video was very interesting to watch - I was on pins and needles at the end knowing what was coming. I also liked seeing the cloud formations in this video as well. I have the repeater audio converted to CD and will be making video clips in the next couple of days.

How was the time determined when the cutdown device let go of the balloon? Also, how soon after landing did the chase team members arrive at the site? I couldn't hear the conversations on the ground well enough to tell (and the beeping covered it up some anyway).

73 de Mark N9XTN

Mark D. Conner
E-mail: n9xtn@...
Homepage: http://members.home.net/mconner1
"Arrogance and stupidity, all in the same package.....how efficient of you!" - Ambassador Londo Mollari, Babylon 5

1659. Re: [tvnsp] TV01H log

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-27 21:08:42 UTC
From: Rick Widmer
Topic: 1658 Message: 1659

I'd like to get a copy of that file too...

In fact, I'd like to get more than one reciever's copies so I can work
on a program to combine logfiles and extract unique packets.

Rick

Mark Conner wrote:
>
> Can someone e-mail me (or post to the files area) a TNC log file from TV01H?
> I'm interested in all packets heard, from the chase team posits as well as
> the balloon beacons. Thanks!
>
> BTW, I have the video and audio tapes Paul sent me. The video was very
> interesting to watch - I was on pins and needles at the end knowing what was
> coming. I also liked seeing the cloud formations in this video as well. I
> have the repeater audio converted to CD and will be making video clips in
> the next couple of days.
>
> How was the time determined when the cutdown device let go of the balloon?
> Also, how soon after landing did the chase team members arrive at the site?
> I couldn't hear the conversations on the ground well enough to tell (and the
> beeping covered it up some anyway).
>
> 73 de Mark N9XTN
>
> ------
> Mark D. Conner
> E-mail: n9xtn@...
> Homepage: http://members.home.net/mconner1
> "Arrogance and stupidity, all in the same package.....how efficient
> of you!" - Ambassador Londo Mollari, Babylon 5
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

1660. Re: [tvnsp] TV01H log

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-28 03:49:46 UTC
From: Bill Herrmann
Topic: 1658 Message: 1660

At 04:33 PM 12/27/01 -0600, you wrote:
>Can someone e-mail me (or post to the files area) a TNC log file from TV01H?

APRS+ format or text? I need to mail mine in anyway.

>How was the time determined when the cutdown device let go of the balloon?

It was a simple timer. Paul set it prior to the flight. I'm not sure what
method he used to determine when to set it.

>Also, how soon after landing did the chase team members arrive at the site?

Mere moments afterwards. We had it in visual till it went over a building.

Bill

1661. Re: [tvnsp] TV01H log

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-28 04:02:37 UTC
From: Mark Conner
Topic: 1658 Message: 1661

----- Original Message -----
From: "Bill Herrmann" <bherrman@...>
> At 04:33 PM 12/27/01 -0600, you wrote:
> >Can someone e-mail me (or post to the files area) a TNC log file from TV01H?
>
> APRS+ format or text? I need to mail mine in anyway.

Text format. I want to see all the packets, not just the ones parsed into posits and telemetry.

> >How was the time determined when the cutdown device let go of the balloon?
>
> It was a simple timer. Paul set it prior to the flight. I'm not sure what
> method he used to determine when to set it.

The description that came with the tape has an exact hour/min/sec when the cutdown happened. I couldn't really tell from the video that that was the exact moment it happened.

- Mark

1662. Re: [tvnsp] TV01H log

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-28 07:05:48 UTC
From: Jeff Melanson
Topic: 1658 Message: 1662

Mark,

We knew the timer was set to go of at that time but not to the excact
second. That number is just a reference to find it on the video tape.

Jeff

Mark Conner wrote:
>
> ----- Original Message -----
> From: "Bill Herrmann" <bherrman@...>
> > At 04:33 PM 12/27/01 -0600, you wrote:
> > >Can someone e-mail me (or post to the files area) a TNC log file from
> TV01H?
> >
> > APRS+ format or text? I need to mail mine in anyway.
>
> Text format. I want to see all the packets, not just the ones parsed into
> posits and telemetry.
>
> > >How was the time determined when the cutdown device let go of the
> balloon?
> >
> > It was a simple timer. Paul set it prior to the flight. I'm not sure what
> > method he used to determine when to set it.
>
> The description that came with the tape has an exact hour/min/sec when the
> cutdown happened. I couldn't really tell from the video that that was the
> exact moment it happened.
>
> - Mark
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

1663. Backup beacon construction finished

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-29 06:36:33 UTC
From: Mark Conner
Topic: 1663 Message: 1663

I now have a working APRS backup beacon for future NSTAR flights.

Contents:
Yaesu VX-1R
Tiny Trak II
Motorola Oncore M12 GPS receiver
Synergy Systems SMK-4 GPS antenna
Custom board for power regulation, RS-232 level shifting and TTL logic inverting

Power requirements:
100-120 mA at 5.3V or higher (regulated to 5V for the TT2 and 3V for the GPS and antenna)
Yaesu VX-1R is powered by internal battery

Power consumption:
GPS: 75mA
Antenna: 5mA
TinyTrak2: 15mA
Other components: 15mA (estimated from total)

Weight:
4oz (Yaesu VX-1R)
8oz (Box with TT2, GPS, custom board, GPS antenna)
+ additional for 2m antenna, external battery power

Cost:
Motorola GPS: $80 (ham discount at Synergy Systems)
Antenna: $25
Radio: $130
TT2: $30
Yaesu 4-cond. cable $8
Misc parts: $15

Total: ~$288

The only real "homebrew" to this was the board to do the RS-232 level conversion and power regulation. The Motorola Oncore M12 uses 3V TTL logic. To interface more reliably to the computer, I got a MAX232 level shifter to invert the logic and bring the voltages up to RS-232 levels. The Oncore M12 defaults to starting in binary mode, so a computer is needed to command it to NMEA. Once that's done, the on-board battery backup will retain settings for a few weeks. I also have a 74AC04 hex inverter as recommended by several schematics I got, but it may not be necessary.

Since the MAX232 uses 5V logic, a voltage divider is used to drop the signals going to the M12 down to 3V. For data coming from the GPS, 3V logic

is enough to drive the MAX232.

After overnight charging, I plan to test the Yaesu with the tracker to see how long its internal batteries will last with a 30-sec transmit cycle.

73 de Mark N9XTN

Mark D. Conner
E-mail: n9xtn@...
Homepage: http://members.home.net/mconner1
"Arrogance and stupidity, all in the same package.....how efficient of you!" - Ambassador Londo Mollari, Babylon 5

1664. Re: [tvnsp] TV01H log

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-30 00:19:05 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1658 Message: 1664

> How was the time determined when the cutdown device let go of the balloon?
> Also, how soon after landing did the chase team members arrive at the site?
> I couldn't hear the conversations on the ground well enough to tell (and the
> beeping covered it up some anyway).

I set the timer to 2 hours and some minutes (I forgot how many).
We were on the scene about a minute after landing.

Paul

1665. Street Atlas question

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-30 19:51:49 UTC
From: Justin Formolo
Topic: 1665 Message: 1665

To All,

I was wondering if Street Atlas 9 is any good in APRS? I believe it is the newest edition. I'm getting ready to purchase a rig so I'm collecting parts and software. Does TOPO 3 work at all with APRS+ or will Street Atlas only work? Thanks

Justin Formolo, KD7PIT
J_Formolo@...

1666. Street Atlas question

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-30 19:57:25 UTC
From: Justin Formolo
Topic: 1665 Message: 1666

To All,

I was wondering if Street Atlas 9 is any good in APRS? I believe it is the newest edition. I'm getting ready to purchase a rig so I'm collecting parts and software. Does TOPO 3 work at all with APRS+ or will Street Atlas only work? Thanks

Justin Formolo, KD7PIT
J_Formolo@...

1667. Re: [tvnsp] Street Atlas question

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-31 01:17:41 UTC
From: Bill Herrmann
Topic: 1665 Message: 1667

At 12:51 PM 12/30/01 -0700, you wrote:
>I was wondering if Street Atlas 9 is any good in APRS? I believe it is
>the newest edition.

It works just fine with APRS+ and is a nice combination. The author of
APRS+ seems to be very responsive and puts out updates fairly regularly.

>Does TOPO 3 work at all with APRS+ or will Street Atlas only work?

No, the topo map packages and the Street Atlas Deluxe use a different
mapping engine and do not work with APRS+.

Make sure you get SA9 and not SA Deluxe for APRS use.

Bill

1668. Re: Street Atlas question

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-31 03:19:50 UTC
From: kd7pit
Topic: 1665 Message: 1668

Ok thanks. Too bad that TOPO 3 doesn't work. I can see where that
may come in handy!

--- In tvnsp@y..., Bill Herrmann <bherrman@m...> wrote:
> At 12:51 PM 12/30/01 -0700, you wrote:
> >I was wondering if Street Atlas 9 is any good in APRS? I believe
it is
> >the newest edition.
>
> It works just fine with APRS+ and is a nice combination. The author
of
> APRS+ seems to be very responsive and puts out updates fairly
regularly.
>
> >Does TOPO 3 work at all with APRS+ or will Street Atlas only work?
>
> No, the topo map packages and the Street Atlas Deluxe use a
different
> mapping engine and do not work with APRS+.
>
> Make sure you get SA9 and not SA Deluxe for APRS use.
>
> Bill

1669. Re: [tvnsp] Re: Street Atlas question

Yahoo group: tvnsp (2000 — 2002)
Date: 2001-12-31 03:41:27 UTC
From: Bill Herrmann
Topic: 1665 Message: 1669

At 03:19 AM 12/31/01 +0000, you wrote:
>Ok thanks. Too bad that TOPO 3 doesn't work. I can see where that
>may come in handy!

I haven't tried it, but I think you could save a route file from SA and
import it into Topo. Not as good as running it direct, but worth a try.
(I've got Topo USA and SA 9 so I can try it just haven't had the time yet!)

Bill

1670. Amateur High Altitude Ballooning Records, January 2002 quarterly update

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-01 22:41:09 UTC
From: Ralph Wallio, W0RPK
Topic: 1670 Message: 1670

January, 2002 quarterly update of Amateur High Altitude Ballooning Records.
http://users.crosspaths.net/~wallio/records.html

We have been collecting record entries since August, 2000 so these quarterly updates are now developing into a good measure of our collective state-of-the-art. See our records web page for all category entries.

Highest GPS Reported Altitude (ASL)
1. Norm Kjome (KB7ZJT) 20Mar99 120,522ft ASL (SA)
2. SSOK (WB?DRL) 08Jan00 117,460ft ASL (SA)
3. KNSP-99A (KD4STH) 06Feb99 114,399ft ASL (SA)
GPS data for BOI flight to 118,000ft has not been received.
There are rumors of altitude record breaking attempts in 2002.

Lowest Reported Maximum Altitude (AGL)
1. HABET-H30 (ISGC/ISU) 02Mar00 4,903ft AGL
2. HABET-H36 (ISGC/ISU) 30Mar00 13,511ft AGL
3. HABET-H42 (ISGC/ISU) 08Sep00 16,301ft AGL
ISGC/ISU HABET routinely flys multiple balloon altitude hold missions.

Highest Continuous Ascent Rate (averaged over >10,000ft)
1. EOSS-52 20Oct01 1445.4ft/min
2. HABET-L21 (ISGC/ISU) 10Oct98 1435.4ft/min
3. NSTAR-01A (N9XTN) 14Apr01 1384.5ft/min

Lowest Continuous Ascent Rate (averaged over >10,000ft)
1. EOSS-50 (Pioneer Astronautics payload) 21Apr01 221.8ft/min
2. TVNSP 01-D (KD4STH) 30Jun01 326.4ft/min
3. HABET-H43 (ISGC/ISU) 21Nov00 449.5ft/min

Longest Great Circle Distance, Release to Touchdown
1. SSOK (WB?DRL) 08Jan00 703.02 Miles (Floater)
2. NS0-1 (Near Space Balloon Group) 25Mar00 152.73 Miles
3. EOSS-50 (Pioneer Astronautics payload) 21Apr01 138.79 Miles

Shortest Great Circle Distance, Release to Touchdown
1. HABITAT SKYLAB (KA0JLF) 25Sep99 8.71 Miles
2. NSBG-NS1-1 (N3KKM) 28Apr01 9.80 Miles
3. KNSP-99E (KD4STH) 20Jun00 9.89 Miles

Longest Mission In Time, Release to Touchdown
1. SSOK (WB?DRL) 08Jan00 14:01:39>19:28:10 5h26m31s
2. HamBONE-LD1 27Jun01 10:12>14:50z 4h38m
3. BEAR-1 27May00 15:13:33>19:46:36 4h33m03s

Heaviest Payload
1. Project HALO Rockoon (WB8ELK-KE4ROC-K4ZQM) 11May97 92.0 Pounds

2. HABET-H42 (ISGC/ISU) 08Sep00 49.0 Pounds
3. HABET-H43 (ISGC/ISU) 21Nov00 43.0 Pounds

Lightest payload
1. ITA-2 (Into Thin Air/KA2QPG) 19Mar00 0.21 Pounds
2. SQ3 (SkyQuest/N1LTV) 21May00 0.41 Pounds
3. ITA-3 (Into Thin Air/KA2QPG) 04Jun00 0.46 Pounds

Largest Envelope(s) (Fully Expanded Volume)
1. EOSS-50 (Pioneer Astronautics payload) 21Apr01 52,729ft^3 KCI-3000 and 3xKCI-600
2(Tie). HABET-H42 (ISGC/ISU) 08Sep00 40,904ft^3 KCI-3000 and 2xKCI-100
2(Tie). HABET-H43 (ISGC/ISU) 21Nov00 40,904ft^3 KCI-3000 and 2xKCI-100

Smallest Envelope (Fully Expanded Volume)
1. SQ3 (SkyQuest/N1LTV) 21May00 500ft^3 KCI-200

Greatest Telemetry Downlink Reception Range (Two Categories)
VHF/UHF near line-of-sight
1. EOSS-52 20Oct01 KC0IUW & KC0IUY<Telemetry 394.1 Miles
2. ANSR-2 28Jul01 K5LPS & K5RIC<Telemetry 370.7 Miles
3. NSTAR-01D (N9XTN) 30Jun01 KC5ECB<Telemetry 347.3Miles
#1 position approaches theoretical maximum. A major effort might break it.
HF via any mode of propagation
1. ITA-5 (Into Thin Air/KA2QPG) 15Nov00 W6VIO (N5BF opr)<Telemetry 2437 Miles
2. ITA-3 (Into Thin Air/KA2QPG) 04Jun2000 W?RPK<Telemetry 983 Miles
Solar Cycle 23 has peaked but intercontinental record distance on 10m is still possible.

Greatest Two-Way Repeating/Transponding Great Circle Distance
1. EOSS-46 14Jan01 N?KQX<>N7DMO - 526 Miles
2. NSTAR-01B 19May01 KC?AXK<>KC?HFL - 344 Miles
3. HABET-1 (CITS/W?RPK) 04Dec93 AA?W<>N9GQR - 320 Miles
QSO distance record breaking attempts are being planned for 2002.

Ratio of Released v. Recovered Payloads
1. EOSS (Edge of Space Sciences) 53-for-53 18Nov90-01Dec01
2. KNSP (KD4STH) 19-for-19 02Nov96-10Jul99
3. SSOK (WB?DRL) 13-for-13 01Feb92-08Jan00

Longest Recovery Time (any method)
1. Bill Brown, WB8ELK 09May98-04Dec98 209 Days
2. TV-00A (KD4STH) 20May00-08Oct00 141 Days
3. EOSS-50 (Pioneer Astronautics payload) 21Apr01-29May01 38 Days

Touchdown Prediction Closest to Actual Coordinates
1. Eric Hauber ISU/HABET-L53 26Sep01 10kCC 0.23 Miles
2. Bill All, N3KKM NSTAR-01B 19May01 95kNB 1.25 Miles
3. Mark Conner, N9XTN NSTAR-01B 19May01 95kNB 5.59 Miles
See http://users.crosspaths.net/~wallio/HABerr.html for more a complete understanding of touchdown prediction accuracy.

Other W0RPK web pages that may be of interest:

WB?DRL-SSOK 08Jan2000 Mission (An unexpected Floater)
http://users.crosspaths.net/~wallio/SSOK_DRL.HTML

10m FSK31 Telemetry Beacon
http://users.crosspaths.net/~wallio/FSK31.HTML

Daydreaming of Polyethylene
http://users.crosspaths.net/~wallio/polyethylene.html

GPS RECEIVERS VS. 60KFT
http://users.crosspaths.net/~wallio/gps60kft.html

NSTAR INCIDENT ANALYSIS
http://users.crosspaths.net/~wallio/nstar.html

Great Plains Super Launch 2001
http://users.crosspaths.net/~wallio/gpsl2001.html

COMMUNICATIONS RANGE vs.
PAYLOAD ALTITUDE and DISTANCE
http://users.crosspaths.net/~wallio/altvdist.html

LINE-OF-SIGHT RADIO
COMMUNICATION LINK BUDGET
http://users.crosspaths.net/~wallio/LINKbudg.html

AMATEUR HIGH ALTITUDE BALLOONING LINKS
http://users.crosspaths.net/~wallio/HABLinks.html

HIGH VOLTAGE BREAKDOWN vs.
ATMOSPHERIC PRESSURE
http://users.crosspaths.net/~wallio/HABhv.html

TRACK PREDICTION ERROR ANALYSIS
http://users.crosspaths.net/~wallio/HABerr.html

AX.25 Packet Radio AFSK on FM
Bit, Packet and Data Set Error Rates
http://users.crosspaths.net/~wallio/ber.html

CALCULATING SYSTEM NOISE TEMPERATURE
IN WEAK SIGNAL RECEIVING SYSTEMS
http://users.crosspaths.net/~wallio/noise.html

Is Amateur Radio Growing in the U.S.A.?
http://users.crosspaths.net/~wallio/LICENSE.html

TNX es 73 de Ralph Wallio, W0RPK
wallio@...
http://users.crosspaths.net/~wallio

1671. Meetings?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-02 02:25:55 UTC
From: Stephanie Steele
Topic: 1671 Message: 1671

I haven't seen anything here on upcoming meeting(s). Did I miss one last Sunday? When is the next one? Inquiring minds want to know.
--
Stephanie
****
"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."
Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.
"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."
President Thomas Jefferson.
1743-1826
****
Send and receive money safely over the Internet by using PayPal. I use it and highly recommend it as a safe and reliable means to conduct business. By using the link below we both will receive a $5 sign up bonus.
https://www.paypal.com/refer/pal=kc7dba%40arrl.net

1672. Re: [tvnsp] Meetings?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-02 07:10:10 UTC
From: Bill Herrmann
Topic: 1671 Message: 1672

At 07:25 PM 1/1/02 -0700, you wrote:
>I haven't seen anything here on upcoming meeting(s). Did I miss one last
>Sunday? When is the next one? Inquiring minds want to know.

You did indeed. (though lightly attended)

Next meeting is 2 weeks from last Sunday. I think somebody needed it to
stay on an every 2 week schedule. <grin>

Bill

1673. Its ALIVE!

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-02 10:56:45 UTC
From: Rick Widmer
Topic: 1673 Message: 1673

The logfile analysis program should now be working. It provides an easy way to combine multiple APRS log files into one database. If there is interest, I will offer it for your free use. No strings attached, other than please try to learn how to use it yourself so I don't have to mess with it every time someone wants to look at a log. If you find bugs, or ways to improve it, let me know.

http://piemur.developersdesk.com/balloon/

If you can't find an existing file on this site that makes your job of analizing APRS logs easier, let me know, I will probably write it for you. (Ralph Wallio this especially includes you.) Look thru the "Cooked Data File" and "APRS Data" links on the bottom of the flight data pages. The "Analysis Errors" page may be helpful for debugging trackers as it shows any data this program can't understand, broken out by the tracker that sent it.

Anyone who knows this URL can look at filghts that have been uploaded and processed. Click on the Orginizations link, then select a flight to view. Currently the only flights with valid data and names are TV01G and TV01H. The data in TV01H is pretty sparse. If anyone has more data for this flight, or other flights they would like to see, please register so you can upload yourself, or email it to me. If you email it, I need to know the callsign of the tracker that logged the data.

Anyone can sign up to upload files, or to create a group. Just click on the Register link. You will get an email when your request has been approved by the group leader. Just me right now, but I would like to see someone from each group sign up as leader. The leader has rights to edit the orginization and flight names and blurbs, and approve members. Members have the right to upload APRS log files, and trigger processing to create the web pages for a flight.

I still need to get more than one different set of raw data for a flight so I can work on the program that combines them and removes duplicate records.

Rick

P.S. John Stone, the membership you signed up for is now active. Have fun!

P.P.s. The program/web site will be moving in a couple of weeks. I need to upgrade my web servers before I move it off this development machine. When it goes away the new URL will be:

http://www.mvas.net/balloon/

There will be a link on the development machine for a few weeks after it moves, but I don't gurantee when the machine will be online. (That's why it is a development machine.) Please don't link to the development site, but you are free to link into the site once it moves to the mvas.net domain. (Link into - provide links on your site to pages inside this site. Some people don't allow this.)

1674. Re: [tvnsp] Meetings?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-02 22:30:00 UTC
From: John Knapp
Topic: 1671 Message: 1674

We did have a meeting Dec 30. The next one is planned
for Jan 13 (every two weeks).

JohnK
--- Bill Herrmann <bherrman@...> wrote:
> At 07:25 PM 1/1/02 -0700, you wrote:
> >I haven't seen anything here on upcoming
> meeting(s). Did I miss one last
> >Sunday? When is the next one? Inquiring minds want
> to know.
>
> You did indeed. (though lightly attended)
>
> Next meeting is 2 weeks from last Sunday. I think
> somebody needed it to
> stay on an every 2 week schedule. <grin>
>
> Bill
>
>
>

Do You Yahoo!?
Send your FREE holiday greetings online!
http://greetings.yahoo.com

1675. Re: [tvnsp] Meetings?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-03 05:02:40 UTC
From: Jeff Melanson
Topic: 1671 Message: 1675

I didn't know there was a meeting. I thought we were skipping one on purpose.

Jeff

Stephanie Steele wrote:
> I haven't seen anything here on upcoming meeting(s). Did I miss one
> last Sunday? When is the next one? Inquiring minds want to know.
> --
> Stephanie
> ******************************
> "They that can give up essential liberty to obtain a little temporary
> safety deserve neither liberty nor safety."
> Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11,
> 1773.
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> have, nor do they deserve, either one."
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> 1743-1826
> ******************************
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> it and highly recommend it as a safe and reliable means to conduct
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> bonus.
> https://www.paypal.com/refer/pal=kc7dba%40arrl.net
> Yahoo! Groups Sponsor
> ADVERTISEMENT
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>

> Your use of Yahoo! Groups is subject to the Yahoo! Terms of Service.

1676. Re: [tvnsp] Meetings?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-03 05:29:51 UTC
From: Stephanie Steele
Topic: 1671 Message: 1676
Attachments: 2 described; binary payloads are missing from this source WARC

I brought up having the meetings every two weeks at the meeting on 12/16 but I thought it was left that Paul would let us know. When nothing was said I made other plans. Please let's firm up the date for the next meeting.
Stephanie

Jeff Melanson wrote:
I didn't know there was a meeting. I thought we were skipping one on purpose.
Jeff
Stephanie Steele wrote:
>
> I haven't seen anything here on upcoming meeting(s). Did I miss one
> last Sunday? When is the next one? Inquiring minds want to know.
>
> --
> Stephanie
>
> ******************************
>
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> https://www.paypal.com/refer/pal=kc7dba%40arrl.net
>
> Yahoo! Groups Sponsor
> ADVERTISEMENT
>

>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
> Your use of Yahoo! Groups is subject to the Yahoo! Terms of Service.

To unsubscribe from this group, send an email to:
tvnsp-unsubscribe@egroups.com

Your use of Yahoo! Groups is subject to the Yahoo! Terms of Service
(http://docs.yahoo.com/info/terms/).

--
Stephanie
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https://www.paypal.com/refer/pal=kc7dba%40arrl.net

1677. Where are meetings?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-03 06:00:15 UTC
From: Justin Formolo
Topic: 1677 Message: 1677

I've been confused about meetings also. Where are they held at? Is it at the Nampa Jade Garden?

Justin Formolo

1678. Odds and Ends

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-03 20:49:47 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1077 Message: 1678
Attachments: 2 described; binary payloads are missing from this source WARC

It's official, TVNSP is now a SIG of VOI. The next VOI meeting is next Wednesday. Everyone who is a paid member of VOI falls under the umbrella liability insurance the club owns. So please attend the next meeting and join. The cost is $20 and you don't need to be a ham. To protect yourself, please pay your membership dues before the next launch.

I owe VOI an activities plan and budget. I'm including a copy of what I wrote at the bottom of this email. Please look it over and make suggestions. I also owe them a set of operational rules. I'm attraching a copy of my chapter 12, on FAR 101. We'll need to add prediction rules, which John the Elder has started. John, when you're done, we'll include your rules with chapter 12 and make that our operational plan. As long as flights conform to the ops plan, they'll be covered.

We should probably keeps files on TVNSP. Let's develop a standard for the data saved for each flight. Right now John the Younger generates a checklist and sign-up sheet. I propose those be kept for each flight. John the Elder is working on a prediction process. I also propose the work sheet be kept. We should proabaly also keep a copy of the flight log on diskette. How about photos? Also, where do we keep the files? I'm willing to buy a file box and folders when we're ready.

A set of meeting minutes will be published on the VOI webpage shortly. We'll need a copy of them for the TVNSP files. I'll also get a copy of the insurance that we can show to the mall the next time we try to set up a display. I'd like to do this in the spring and leave a capsule out for donations.

VOI will have a item for the program in their budget. If you know someone who would like to donate, they can send the check to VOI. Doug, is there anything special that needs to written ont eh check? also, what address should it be sent to?

I'm ordering patches for TVNSP. They'll probably cost less than $9 each if we order 100 of them. I'll take ten for myself right off the bat. I need people to commit to purchasing some patches.
They're 3" in diameter and can be sewn on jackets, hats, capsule abrasion jackets, rabbits, etc.

I'll also get a copy of the artwork for the webpage and for a new set of business cards.

Mike, can we still get the TVNSP domain name? I'd alike to arrange that with Doug and get it put on the new business cards. We'll still keep the weboages on the-one, we just need to alias the name (is that the right term?).

The next TVNSP meeting is the following Sunday, not this Sunday. We meet at the hobby Town on Cole and Ustick. The meeting time is 2:00 PM. Bring your projects or start a new one. Justin, what would you like to start building? I'll bring stuff to make cutdown devices and timed beacons. That will be the first solder project we'll have. We have htree airframes and one parachute being built. Bring your APRS gear if you'd like. I'll arrange to bring a CC/PS that we can test it on. There will also be another Basic Stamp lesson. Mike will you be there? Do we need to bring a sewing machine? Jeff, can you bring your wife's? (I suspect it's not your's).

I mentioned writing magazine articles. I sent one to ATVQ about why we near space. We need to expand on it. Gene Harlan, editor and publisher of ATVQ has asked for a series of articles about amateur near space exploration. I'd like to see members of TVNSP write those articles. We get paid for them, so there is also a financial reward (it will get you dinner out). My recommendations were as follows (but please feel free to disagreee or to improve upon them).

Jeff and an article on building a basic tracker for capsules
John the Elder on predictions
John the Younger on launch procedures
Deb on filling the balloon (oops, John, did you ask your wife first?)

There are many other topics. Mike, Justin, and the two Bills, do you have topics you'd like to write about?

I'd like to see TVNSP Team Members write an article per issue of ATVQ about near space.

I've started digitizing video. I can record images, but not sounds. I may ask for help if I can't get this fixed. I make a 9 minute video on flight TV01H. It's currently stuck on the PC as a 112 MB mpeg. As I said, there's a few details I have to figure out yet. Eventually I make short movies of each flight (cut out the boring stuff) and a set of videos on amateur near space exploration.

Is there anymore?
Paul

****
Activities Plan For the Treasure Valley Near Space Program (TVNSP)

TVNSP breaks their activities into three broad categories.
1. Biweekly Meetings

2. Displays
3. Launches

Biweekly Meetings
Biweekly meetings concentrate on the following activities
(Construction of near space stack elements
(Construction of support equipment
(Procedures

Construction of stack elements involves building the following items, capsule airframes, the CC/PS flight computer, experiments, simple capsule trackers, recovery systems, and flight termination systems. Construction of support equipment involves building the following items, launch site support equipment, balloon filling equipment, stack launch equipment, and tracking equipment (usually mobile). Procedure activities cover training for launches, review and practice of launch activities, and documentation of procedures.

Displays
There are two classes of displays TVNSP supports
(Stand-alone
(Manned

Stand-alone displays are usually as simple as a poster. Manned displays can be as simple as a booth at the mall, or as complex as mission control during a flight. Stand-alone displays are found at radio, science, hobby, or electronic stores. Manned displays occur at the mall, DCI, or schools. Upon request, displays can be made available for other locations.

Launches
Typically TVNSP launches one mission per month between the months of March and October. Most flights take place at sunrise on Saturday, although a few many take place at night (to record meteors or sunrise from near space). During June or July there may be a remote launch in the Midwest in support of the Great Plains Super Launch (GPSL). All launches are open to the public and may be performed on the request of an interested party. Those interested in near space may design their own experiments for flight as long as they adhere to TVNSP requirements (power, weight, and form factor). All data from flights is available to the public, although the PI of each experiment has exclusive right to their data for a period of eight weeks.

Launches are announced in advance on the TVNSP email list. Final mission details are determined at the prelaunch dinner, the night before each launch. All mission participants are strongly encouraged to attend the prelaunch dinner.

****
TVNSP Budget

There are two types of costs involved with a near space mission.
(One-time costs
(Expendables

One time costs involve the construction of the near space capsule, experiments (except of recording media), recovery systems, and flight termination systems. Each TVNSP team member takes care of the one-time costs involved with their element of the mission.

The range of expendable costs of each TVNSP mission breaks down as follows

Balloon: $50 to $200
Helium: $100 to $114
Film: $3 to $6
Video Tape: $5

Most flights will be no more expensive than about $160. This means a flight using a 1200-gram balloon, 1.5 tanks of helium, one roll of 35mm or APS film, and a HI-8 videotape. This combination allows a near space mission achieve altitudes approaching 90,000 feet. Rarely will TVNSP use the more expensive 3000-gram balloon (which also increases the cost of helium required). In these special mission flights, there is a contributor that TVNSP is flying the mission.

There are approximately six missions per year. Currently, TVNSP team members pay most mission costs. However the Idaho Space Grant Consortium, local amateur radio operators, and amateur radio clubs have contributed to flights in the past.

A typical year of missions for TVNSP can cost $1000.

1679. [tvnsp] Articles (was [tvnsp] Odds and Ends)

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-03 21:21:52 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 1679 Message: 1679

A lot to read and digest in the entire document, so I'll comment on that later on.

As to this particular item...

> There are many other topics. Mike, Justin, and the two Bills, do
> you have topics you'd like to write about?

The other Bill was trying to twist my arm about writing about weather prediction. I'm game to try an article on this, but want to clarify some things.

First, we need a copy of the guidelines for writing the articles. Every magazine has these readily available to budding authors, and they are vital to getting the articles accepted. They list the word counts desired, content styles, picture requirements, and all that other stuff that cuts down editing time and helps you quickly produce a usable article for that magazine. Some magazines require you to provide a blurb or outline describing the article you want to write so that both of you don't waste time with an article that's not useful for them.

Second, regarding the weather article itself, as I said, I'm game. This article would primarily be oriented towards understanding the weather from the ground. There are several obvious reasons why this would be useful. I could also, though I suspect others can do this one easily enough, include information on reading weather maps.

Bill B.

1680. Re: [tvnsp] Odds and Ends

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-03 21:36:10 UTC
From: Mike Garske
Topic: 1077 Message: 1680

Paul,

I obtained the domain name www.tvnsp.org back on 11/20, I paid for 1 year, but am willing to donate the domain to the Cause. Let me know the details on what needs to be done for this to be integrated into the our plan.

About the sewing machine, Yes, there needs to be a sewing machine brought to the next meeting(s) for me to continue on my parachute construction.

By the way, Happy New Year to all, hope to have a great year full of fun filled near space missions!

See you all at the next meeting!

Mike KC7DPD

Mike, can we still get the TVNSP domain name? I'd alike to arrange that with Doug and get it put on the new business cards. We'll still keep the weboages on the-one, we just need to alias the name (is that the right term?).

1681. Re: [tvnsp] Odds and Ends

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-03 21:29:01 UTC
From: Rick Widmer
Topic: 1077 Message: 1681

verhap@... wrote:

We should
> proabaly also keep a copy of the flight log on diskette. How about
> photos? Also, where do we keep the files?

One place flight logs should be kept is on the web site.

> We'll still keep the weboages on the-one, we just need to alias the
> name (is that the right term?).

It looks like that domain is hosted at Safelink. They can setup the server so hits to the domain name will go thru, but unless you have an account with them already, they will probably want to charge you for the privelege. Unless you or your friend at the-one is already on the Business Enhanced (69.95) program you are looking at a 10MB limit on web space at Safelink.

http://www.safelink.net/rates.htm

I think you will probably find that you are better off putting the pages on the new server, and putting a redirect page on the old site. As long as you own the tvnsp domain name you can put it anywhere you want. The-one looks like a personal site that could easily go away, and if you have lots of people with links to it when it does they are lost.

Since you don't think 10MB is enough, I'll sweeten the pot. How about 50MB for a year for a t-shirt and a patch*. Remember this also includes email addtesses under your domain for all members, and the ability to host your mailing list there, with no advertising in the messages or on the web site where you can review the archive.

* If you don't do the patches, you don't owe me one.

Rick

1682. Re: [tvnsp] Odds and Ends

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-03 23:54:38 UTC
From: Doug Rich
Topic: 1077 Message: 1682

>VOI will have a item for the program in their budget. If you know
>someone who would like to donate, they can send the check to
>VOI. Doug, is there anything special that needs to written ont eh
>check? also, what address should it be sent to?

Just indicate on the check it is for the "balloon fund". The address is
P.O. Box 812, Boise, ID 83701
Also there is a membership for on the VOI web site
http://www.voiceofidaho.org/ under "club info".

1683. Re: [tvnsp] Odds and Ends

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-04 00:12:56 UTC
From: Doug Rich
Topic: 1077 Message: 1683

>Some background on the web page. I work for Safelink. I am not charged
>for my account or space. I let Paul use some of my space for his web site.

Now that the VOI is involved we would like to setup the new domain at Big
Sky Telecom. They have provided us with web space at no charge. I believe
they will host the TVNSP.com domain also. I can put a link on the old home
page with forward information and a link to the new home.
It could, also, be hosted anyplace and visitors to the VOI site would not
know it was housed elsewhere.

>It looks like that domain is hosted at Safelink. They can setup the
>server so hits to the domain name will go thru, but unless you have an
>account with them already, they will probably want to charge you for the
>privelege. Unless you or your friend at the-one is already on the
>Business Enhanced (69.95) program you are looking at a 10MB limit on web
>space at Safelink.
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>
>I think you will probably find that you are better off putting the pages
>on the new server, and putting a redirect page on the old site. As long
>as you own the tvnsp domain name you can put it anywhere you want.
>The-one looks like a personal site that could easily go away, and if you
>have lots of people with links to it when it does they are lost.
>
>Since you don't think 10MB is enough, I'll sweeten the pot. How about
>50MB for a year for a t-shirt and a patch*. Remember this also includes
>email addtesses under your domain for all members, and the ability to
>host your mailing list there, with no advertising in the messages or on
>the web site where you can review the archive.
>
>
>* If you don't do the patches, you don't owe me one.
>
>Rick
>
>
>To unsubscribe from this group, send an email to:
>tvnsp-unsubscribe@egroups.com
>
>
>
>Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

1684. Re: [tvnsp] Odds and Ends

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-03 23:01:54 UTC
From: Rick Widmer
Topic: 1077 Message: 1684

Doug Rich wrote:
>
> > Some background on the web page. I work for Safelink. I am not
> > charged for my account or space. I let Paul use some of my space for
> > his web site.
>
> Now that the VOI is involved we would like to setup the new domain at
> Big Sky Telecom. They have provided us with web space at no charge. I
> believe they will host the TVNSP.com domain also. I can put a link on
> the old home page with forward information and a link to the new home.
> It could, also, be hosted anyplace and visitors to the VOI site would
> not know it was housed elsewhere.

Cool. My main concern is that the pages should be hosted under the
TVNSP.com domain for portability.

Rick

1685. Re: [tvnsp] Odds and Ends

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-04 01:33:21 UTC
From: Justin Formolo
Topic: 1077 Message: 1685

Hey Paul, right now I'm busy building my rig for tracking. I'm in the middle of getting my hands on a Kenwood D700A and sorting out what GPS unit I want, then become familiar with it before the first flight. I was just curious when meetings are held and when. That's great we are now under VOI so I'll get my dues in ASAP. I will probably stop by on Sunday the 13th and see how things are going along. I will also think up some project ideas for building with the rest of my break before spring semester starts. What sort of flights are you planning on for this year?

Justin Formolo, KD7PIT
----- Original Message -----
From: verhap@...
To: tvnsp@yahoogroups.com
Sent: Thursday, January 03, 2002 1:49 PM
Subject: [tvnsp] Odds and Ends

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John the Younger on launch procedures
Deb on filling the balloon (oops, John, did you ask your wife first?)

There are many other topics. Mike, Justin, and the two Bills, do you have topics you'd like to write about?

I'd like to see TVNSP Team Members write an article per issue of ATVQ about near space.

I've started digitizing video. I can record images, but not sounds. I may ask for help if I can't get this fixed. I make a 9 minute video

on flight TV01H. It's currently stuck on the PC as a 112 MB mpeg.
As I said, there's a few details I have to figure out yet. Eventually I make short movies of each flight (cut out the boring stuff) and a set of videos on amateur near space exploration.

Is there anymore?
Paul

****
Activities Plan For the Treasure Valley Near Space Program (TVNSP)

TVNSP breaks their activities into three broad categories.
1. Biweekly Meetings
2. Displays
3. Launches

Biweekly Meetings
Biweekly meetings concentrate on the following activities
(Construction of near space stack elements
(Construction of support equipment
(Procedures

Construction of stack elements involves building the following items, capsule airframes, the CC/PS flight computer, experiments, simple capsule trackers, recovery systems, and flight termination systems. Construction of support equipment involves building the following items, launch site support equipment, balloon filling equipment, stack launch equipment, and tracking equipment (usually mobile). Procedure activities cover training for launches, review and practice of launch activities, and documentation of procedures.

Displays
There are two classes of displays TVNSP supports
(Stand-alone
(Manned

Stand-alone displays are usually as simple as a poster. Manned displays can be as simple as a booth at the mall, or as complex as mission control during a flight. Stand-alone displays are found at radio, science, hobby, or electronic stores. Manned displays occur at the mall, DCI, or schools. Upon request, displays can be made available for other locations.

Launches
Typically TVNSP launches one mission per month between the months of March and October. Most flights take place at sunrise on Saturday, although a few many take place at night (to record meteors or sunrise from near space). During June or July there may be a remote launch in the Midwest in support of the Great Plains Super Launch (GPSL). All launches are open to the public

and may be performed on the request of an interested party. Those interested in near space may design their own experiments for flight as long as they adhere to TVNSP requirements (power, weight, and form factor). All data from flights is available to the public, although the PI of each experiment has exclusive right to their data for a period of eight weeks.

Launches are announced in advance on the TVNSP email list. Final mission details are determined at the prelaunch dinner, the night before each launch. All mission participants are strongly encouraged to attend the prelaunch dinner.

****
TVNSP Budget

There are two types of costs involved with a near space mission.
(One-time costs
(Expendables

One time costs involve the construction of the near space capsule, experiments (except of recording media), recovery systems, and flight termination systems. Each TVNSP team member takes care of the one-time costs involved with their element of the mission.

The range of expendable costs of each TVNSP mission breaks down as follows

Balloon: $50 to $200
Helium: $100 to $114
Film: $3 to $6
Video Tape: $5

Most flights will be no more expensive than about $160. This means a flight using a 1200-gram balloon, 1.5 tanks of helium, one roll of 35mm or APS film, and a HI-8 videotape. This combination allows a near space mission achieve altitudes approaching 90,000 feet. Rarely will TVNSP use the more expensive 3000-gram balloon (which also increases the cost of helium required). In these special mission flights, there is a contributor that TVNSP is flying the mission.

There are approximately six missions per year. Currently, TVNSP team members pay most mission costs. However the Idaho Space Grant Consortium, local amateur radio operators, and amateur radio clubs have contributed to flights in the past.

A typical year of missions for TVNSP can cost $1000.

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prepared for transmission using the Internet MIME message format.
If you are using Pegasus Mail, or any another MIME-compliant system,
you should be able to save it or view it from within your mailer.
If you cannot, please ask your system administrator for assistance.

---- File information -----------
File: chap12.doc
Date: 2 Jan 2002, 23:56
Size: 65536 bytes.
Type: Unknown

1686. Getting a glider back to launch site

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-04 00:41:34 UTC
From: Rick Widmer
Topic: 1686 Message: 1686

It seems I remember someone talking about trying to build a glider and fly it back to the launch site. Well its been done, and the glider found its way back to the launch site by itself.

http://members.shaw.ca/sonde/launch_2.htm

Some interesting quotes from the web page:

"Soon after the release, when it was obviously flying itself properly, the autopilot was
commanded to fly a "panorama turn" - a 360 turn with photos taken every 45 degrees,
which worked great. The "Expert" high-level autopilot then guided the glider back
down to the landing site without help from the ground station, although the autopilot
turn-gains were experimented with a bit (to no noticeable effect)."

"It landed gently, only 65m from the launch point. Not bad at all."

"Two years of work to get to this point!"

Rick

1687. Re: [tvnsp] Getting a glider back to launch site

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-04 04:14:32 UTC
From: Craig Brunson
Topic: 1686 Message: 1687

Here is a glider we launched for NASA in August.

http://amesnews.arc.nasa.gov/releases/2001/01_58AR.html

Check out the photos on the second page. They could have picked out better
still frames from the wing camera though. Towards the bottom you will see
the decal that we all signed before launch.
73
Craig
N7TSZ

----- Original Message -----
From: "Rick Widmer" <rwidmer@...>
To: <tvnsp@yahoogroups.com>
Sent: Thursday, January 03, 2002 4:41 PM
Subject: [tvnsp] Getting a glider back to launch site

> It seems I remember someone talking about trying to build a glider and
> fly it back to the launch site. Well its been done, and the glider
> found its way back to the launch site by itself.
>
> http://members.shaw.ca/sonde/launch_2.htm

1688. Re: [tvnsp] Odds and Ends

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-04 07:55:57 UTC
From: Jeff Melanson
Topic: 1077 Message: 1688

The sewing machine will be there.

Jeff
KD7INN

Mike Garske wrote:
>
> Paul,
>
> I obtained the domain name www.tvnsp.org back on 11/20, I paid for 1 year,
> but am willing to donate the domain to the Cause. Let me know the details on
> what needs to be done for this to be integrated into the our plan.
>
> About the sewing machine, Yes, there needs to be a sewing machine brought to
> the next meeting(s) for me to continue on my parachute construction.
>
> By the way, Happy New Year to all, hope to have a great year full of fun
> filled near space missions!
>
> See you all at the next meeting!
>
> Mike KC7DPD
>
> Mike, can we still get the TVNSP domain name? I'd alike to
> arrange that with Doug and get it put on the new business cards.
> We'll still keep the weboages on the-one, we just need to alias the
> name (is that the right term?).
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

1689. Re: Getting a glider back to launch site

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-04 16:34:53 UTC
From: aerobotics58
Topic: 1686 Message: 1689

Craig-

Looks like the funnest job in the world. Were Wilbur and Orville sized quite differently from each other? The pictures don't have all the clues. Wilbur looks small. What's the displacement on that engine on the mothership? I can't tell if it's in the standard class or if it's one of the Big Super Tiger or OS 2 cycle jobs. Orville is quite large. Does it exceed 20 pounds? Is that wing flexible enough to Flap? How does one get a job like yours?

Dan

--- In tvnsp@y..., "Craig Brunson" <brunson1@g...> wrote:
> Here is a glider we launched for NASA in August.
>
> http://amesnews.arc.nasa.gov/releases/2001/01_58AR.html
>
> Check out the photos on the second page. They could have picked out better
> still frames from the wing camera though. Towards the bottom you will see
> the decal that we all signed before launch.
> 73
> Craig
> N7TSZ
>
> ----- Original Message -----
> From: "Rick Widmer" <rwidmer@m...>
> To: <tvnsp@y...>
> Sent: Thursday, January 03, 2002 4:41 PM
> Subject: [tvnsp] Getting a glider back to launch site
>
>
> > It seems I remember someone talking about trying to build a glider and
> > fly it back to the launch site. Well its been done, and the glider
> > found its way back to the launch site by itself.
> >
> > http://members.shaw.ca/sonde/launch_2.htm

1690. Enhanced Class B airspace removed

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-04 18:18:52 UTC
From: Mark Conner
Topic: 1690 Message: 1690

Here's a link to the NOTAMs issued since Sept 11th. "Enhanced Class B" was removed on 19 December. With a few exceptions on the East Coast and SLC vicinity (Olympics), Part 101 ops should be back to normal.

http://www.faa.gov/NTAP/SpecialNotamListing.htm

PART IV. OTHER AUTHORIZATIONS.
1. COMMERCIAL SPACE OPERATIONS ARE AUTHORIZED AND MUST BE APPROVED IN ACCORDANCE WITH ESTABLISHED PROCEDURES.

2. PART 101 OPERATIONS ARE AUTHORIZED.

3. PART 103 OPERATIONS ARE AUTHORIZED.

73 de Mark N9XTN

1691. chip to acquire temperature.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-04 18:47:30 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 1691 Message: 1691

http://www.the-one.com/tvnsp/99aenvir.htm

The Air temperature data from this URL specifies that
the ambient air temperature goes as low as -70'F as the nearcraft
passes through the tropopause.

I was looking for an inexpensive solution for temperature
acquisition... I came across the DS1620 (around $3.50)
its specified range of operation is:
257'F to -67'F...

Anybody know of an inexpensive IC that would go as low as....
say -80'F... Also if you could suggest a source to buy
one, that would be helpful... a URL or something...

I thought it would be fun to test some nearcraft designs in
a chamber my team uses here... it goes from 200'F to -75'F
Perfect for nearcraft thermal analysis....
If anyone has a craft they would like to test let me know,
it would be fun to see how various designs do ...

I was thinking something along the lines of a standard test
to compare designs.... like setting the chamber to -50 and plotting
the drop of "cabin" temperature over time... say out to a few hours... to
see if it hits an equilibrium, where the equipment heat balances the heat
loss of the "cabin"....

What are the dimensions of Paul's "standard" nearcraft? I think our
chamber is barely larger that the craft at:
(exactly) 11"x12"x16". (Depth x Height x Width)

My goal in all this is to explore the lightest nearcraft design
possible while maintaining acceptable temperature and structural
requirements (I suppose landing would be the most destructive).

Dave

--
David Ritzenthaler - Hardware Design Engr.
208.396.3618 - david_ritzenthaler@...
Hewlett-Packard - 11311 Chinden Boulevard
Mail stop 135 - Boise, ID 83714-1021

1692. Re: [tvnsp] Articles (was [tvnsp] Odds and Ends)

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-04 22:08:08 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1679 Message: 1692

> First, we need a copy of the guidelines for writing the articles. Every
> magazine has these readily available to budding authors, and they are vital
> to getting the articles accepted. They list the word counts desired, content
> styles, picture requirements, and all that other stuff that cuts down
> editing time and helps you quickly produce a usable article for that
> magazine. Some magazines require you to provide a blurb or outline
> describing the article you want to write so that both of you don't waste
> time with an article that's not useful for them.

I don't believe ATV Quarterly has a guideline. I've never used on
when writing articles for Mr. Harlan. I inmagine that if he has one,
it will be available on his webpage.

Paul

1693. Re: [tvnsp] chip to acquire temperature.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-04 22:31:52 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1691 Message: 1693

> I was looking for an inexpensive solution for temperature
> acquisition... I came across the DS1620 (around $3.50)
> its specified range of operation is:
> 257'F to -67'F...
>
> Anybody know of an inexpensive IC that would go as low as....
> say -80'F... Also if you could suggest a source to buy
> one, that would be helpful... a URL or something...

I use an LM335 and digitize the voltage with a MAX186. We have used thermochrons which have a built in memory, thermometer, and clock. However they only drop as low as -40F. On the plus side, temperatures inside the near space capsule usually don't drop below freezing.

We've used a refrigerator as a thermal chamber in the past. This would be upscale for TVNSP and appreciated. We'll built a set of capsule airframes a little smaller than typical for the test. We can add varying amounts of MLI as part of the test.

> What are the dimensions of Paul's "standard" nearcraft? I think our
> chamber is barely larger that the craft at:
> (exactly) 11"x12"x16". (Depth x Height x Width)

They tend to be 10 by 10 by 12 or 12 by 12 by 12.

But we can modify them (where's that hammer?).

Paul

1694. .COM vs .ORG

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-04 22:36:10 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1694 Message: 1694

Is there a difference for us if we use tvnsp.org vs tvnsp.com?

Doug, I guess I need to see about getting the webpages moved over.

Paul

1695. RE: [tvnsp] chip to acquire temperature.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-04 23:14:12 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 1691 Message: 1695

Excellent, that will be a fun project.
I'm free this weekend and next weekend.
My cell is 866-5633. How would you like
to arrange the transfer of the capsules?

I'll look into the chip you suggest.
Over lunch i came across a diode design....
http://home.elp.rr.com/brewbeer/Thermo/#Homebrewed%20Thermometers
<http://home.elp.rr.com/brewbeer/Thermo/#Homebrewed%20Thermometers>
I really like it because it is simple and cheap.
I'll play around with it in the chamber and see how linear
it is over the range of interest.

-----Original Message-----
From: verhap@... [mailto:verhap@...]
Sent: Friday, January 04, 2002 8:32 AM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] chip to acquire temperature.

> I was looking for an inexpensive solution for temperature
> acquisition... I came across the DS1620 (around $3.50)
> its specified range of operation is:
> 257'F to -67'F...
>
> Anybody know of an inexpensive IC that would go as low as....
> say -80'F... Also if you could suggest a source to buy
> one, that would be helpful... a URL or something...

I use an LM335 and digitize the voltage with a MAX186. We have
used thermochrons which have a built in memory, thermometer,
and clock. However they only drop as low as -40F. On the plus
side, temperatures inside the near space capsule usually don't
drop below freezing.

We've used a refrigerator as a thermal chamber in the past. This
would be upscale for TVNSP and appreciated. We'll built a set of
capsule airframes a little smaller than typical for the test. We can
add varying amounts of MLI as part of the test.

> What are the dimensions of Paul's "standard" nearcraft? I think our
> chamber is barely larger that the craft at:
> (exactly) 11"x12"x16". (Depth x Height x Width)

They tend to be 10 by 10 by 12 or 12 by 12 by 12.

But we can modify them (where's that hammer?).

Paul

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1696. Re: [tvnsp] .COM vs .ORG

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-04 23:48:42 UTC
From: Doug Rich
Topic: 1694 Message: 1696

I see no difference.
I will check and get the ball rolling.

At 03:36 PM 1/4/02 -0700, you wrote:
>Is there a difference for us if we use tvnsp.org vs tvnsp.com?
>
>Doug, I guess I need to see about getting the webpages moved
>over.
>
>Paul
>
>
>To unsubscribe from this group, send an email to:
>tvnsp-unsubscribe@egroups.com
>
>
>
>Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

1697. Re: [tvnsp] .COM vs .ORG

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-05 01:09:16 UTC
From: Craig Brunson
Topic: 1694 Message: 1697

I have found in the past that the yearly fee for .com was higher than a .org. You might check on that.

Craig
----- Original Message -----
From: Doug Rich
To: tvnsp@yahoogroups.com
Sent: Friday, January 04, 2002 3:48 PM
Subject: Re: [tvnsp] .COM vs .ORG

I see no difference.
I will check and get the ball rolling.

At 03:36 PM 1/4/02 -0700, you wrote:

Is there a difference for us if we use tvnsp.org vs tvnsp.com?

Doug, I guess I need to see about getting the webpages moved over.

Paul

1698. Re: [tvnsp] .COM vs .ORG

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-04 23:42:15 UTC
From: Rick Widmer
Topic: 1694 Message: 1698

Mile Garske already owns the tvnsp.org domain and has offered to let the club use it. The cost seems to depend on who you register with. The last time I looked they were all the same price. I think .org is by far the best choice for TVNSP as it fits in well with the type of orginization.

Whois results for tvnsp.org:

Organization:
Treasure Valley Near Space
Program
Michael Garske
2923 West Sheryl Street
Meridian, ID 83642
US
Phone: 208-846-9219
Email: kc7dpd@...

Registrar Name....: Register.com
Registrar Whois...:
whois.register.com
Registrar Homepage:
http://www.register.com

Domain Name: TVNSP.ORG

Created on..............: Tue,
Nov 20, 2001
Expires on..............: Wed,
Nov 20, 2002
Record last updated on..: Tue,
Nov 20, 2001

Administrative Contact:
Treasure Valley Near Space
Program
Michael Garske
2923 West Sheryl Street
Meridian, ID 83642
US
Phone: 208-846-9219
Email: kc7dpd@...

Technical Contact, Zone Contact:
Register.Com
Domain Registrar
575 8th Avenue - 11th Floor

New York, NY 10018
US
Phone: 212-798-9200
Fax..: 212-629-9305
Email:
domain-registrar@...

Domain servers in listed order:

DNS39.REGISTER.COM 216.21.234.90

DNS40.REGISTER.COM 216.21.226.90

1699. RE: [tvnsp] .COM vs .ORG

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-07 16:46:55 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 1694 Message: 1699

.org is usually used with organizations and clubs, .com is commercial.

Bill B.

-----Original Message-----
From: Doug Rich [mailto:doug@...]
Sent: Friday, January 04, 2002 4:49 PM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] .COM vs .ORG

I see no difference.
I will check and get the ball rolling.

At 03:36 PM 1/4/02 -0700, you wrote:

Is there a difference for us if we use tvnsp.org vs tvnsp.com?

Doug, I guess I need to see about getting the webpages moved
over.

Paul

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81:HM/A=915130/R=0/O=1/I=brandr-lrec/postholidaygroup/*http://shopping.yahoo
.com/domain?d=holiday&cf=posthol01>

<http://us.adserver.yahoo.com/l?M=216105.1806326.3318126.1261774/D=egroupmai
l/S=1705083281:HM/A=915130/rand=905325082>

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1700. RE: Meeting dates

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-07 16:53:28 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1700 Message: 1700

John the Elder just let me know I didn't forward his email to the list,
so here it is. The dates John figured are correct. These are the
mmeting dates until mid April (Wan in Aprille.....).

Paul

> Do you want to post these?
>
> JohnK
>
> -----Original Message-----
> From: VERHAP@... [mailto:VERHAP@...]
> Sent: Friday, January 04, 2002 8:33 AM
> To: John Knapp
> Subject: Re: Meeting dates
>
>
> > Due to the confusion of meeting dates it might be a good idea to publish them for the
next several months. I figure they would be:
> >
> > Jan 13
> > Jan 27
> > Feb 10
> > Feb 24
> > Mar 10
> > Mar 24
> > April 7
> > April 21
>
> Sounds right, every two weeks.
>
> Paul
>
>
>

1701. (Fwd) RE: [tvnsp] .COM vs .ORG

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-07 17:05:21 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1701 Message: 1701

------- Forwarded Message Follows -------
From: VERHAP@...
To: tvnsp@yahoogroups.com, boundary=
Date sent: Mon, 7 Jan 2002 09:54:24 -700
Subject: RE: [tvnsp] .COM vs .ORG
Priority: normal

Doug, can we use tvnsp.org and have it forwarded to the new
website?

Paul
> .org is usually used with organizations and clubs, .com is commercial.
>
> Bill B.
>
> -----Original Message-----
> From: Doug Rich [mailto:doug@...]
> Sent: Friday, January 04, 2002 4:49 PM
> To: tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] .COM vs .ORG
>
>
> I see no difference.
> I will check and get the ball rolling.
>
> At 03:36 PM 1/4/02 -0700, you wrote:
>
>
> Is there a difference for us if we use tvnsp.org vs tvnsp.com?
>
> Doug, I guess I need to see about getting the webpages moved
> over.
>
> Paul
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
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> 81:HM/A=915130/R=0/O=1/I=brandr-lrec/postholidaygroup/*http://shopping.yahoo
> .com/domain?d=holiday&cf=posthol01>
>
> <http://us.adserver.yahoo.com/l?M=216105.1806326.3318126.1261774/D=egroupmai
> l/S=1705083281:HM/A=915130/rand=905325082>
>
> To unsubscribe from this group, send an email to:
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>
>
>

1702. Re: [tvnsp] RE: Meeting dates

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-07 17:15:20 UTC
From: Dan
Topic: 1700 Message: 1702

There is a calendar function attached to this list at yahoogroups. I think it will allow notifications to the list for this purpose.
73 de Dan
http://groups.yahoo.com/group/tvnsp/calendar

----- Original Message -----
From: verhap@...
To: tvnsp@yahoogroups.com
Sent: Monday, January 07, 2002 10:53 AM
Subject: [tvnsp] RE: Meeting dates

John the Elder just let me know I didn't forward his email to the list,
so here it is. The dates John figured are correct. These are the
mmeting dates until mid April (Wan in Aprille.....).

Paul

> Do you want to post these?
>
> JohnK
>
> -----Original Message-----
> From: VERHAP@OCC1.SD01.K12.ID.US [mailto:VERHAP@...]
> Sent: Friday, January 04, 2002 8:33 AM
> To: John Knapp
> Subject: Re: Meeting dates
>
>
> > Due to the confusion of meeting dates it might be a good idea to publish them for the next several months. I figure they would be:
> >
> > Jan 13
> > Jan 27
> > Feb 10
> > Feb 24
> > Mar 10
> > Mar 24
> > April 7
> > April 21
>
> Sounds right, every two weeks.
>
> Paul
>
>
>

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1703. RE: [tvnsp] RE: Meeting dates

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-07 20:48:57 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 1700 Message: 1703

I saw the time/date on the webpage, but what is the location?

-----Original Message-----
From: Dan [mailto:ke4slc@...]
Sent: Monday, January 07, 2002 10:15 AM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] RE: Meeting dates

There is a calendar function attached to this list at yahoogroups. I think
it will allow notifications to the list for this purpose.
73 de Dan
http://groups.yahoo.com/group/tvnsp/calendar
<http://groups.yahoo.com/group/tvnsp/calendar>

----- Original Message -----
From: verhap@... <mailto:verhap@...>
To: tvnsp@yahoogroups.com <mailto:tvnsp@yahoogroups.com>
Sent: Monday, January 07, 2002 10:53 AM
Subject: [tvnsp] RE: Meeting dates

John the Elder just let me know I didn't forward his email to the list,
so here it is. The dates John figured are correct. These are the
mmeting dates until mid April (Wan in Aprille.....).

Paul

> Do you want to post these?
>
> JohnK
>
> -----Original Message-----
> From: VERHAP@... <mailto:VERHAP@...> [
mailto:VERHAP@... <mailto:VERHAP@...>]
> Sent: Friday, January 04, 2002 8:33 AM
> To: John Knapp
> Subject: Re: Meeting dates
>
>
> > Due to the confusion of meeting dates it might be a good idea to publish
them for the next several months. I figure they would be:
> >
> > Jan 13
> > Jan 27
> > Feb 10
> > Feb 24
> > Mar 10

> > Mar 24
> > April 7
> > April 21
>
> Sounds right, every two weeks.
>
> Paul
>
>
>

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.com/domain?d=holiday&cf=posthol01>

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l/S=1705083281:HM/A=915128/rand=215711843>

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1704. RE: [tvnsp] RE: Meeting dates

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-07 21:48:57 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1700 Message: 1704

We meet at HobbyTown at the corner of Ustick and Cole.

Paul

> I saw the time/date on the webpage, but what is the location?
>
>
> -----Original Message-----
> From: Dan [mailto:ke4slc@...]
> Sent: Monday, January 07, 2002 10:15 AM
> To: tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] RE: Meeting dates
>
>
> There is a calendar function attached to this list at yahoogroups. I think
> it will allow notifications to the list for this purpose.
> 73 de Dan
> http://groups.yahoo.com/group/tvnsp/calendar
> <http://groups.yahoo.com/group/tvnsp/calendar>
>
>
> ----- Original Message -----
> From: verhap@... <mailto:verhap@...>
> To: tvnsp@yahoogroups.com <mailto:tvnsp@yahoogroups.com>
> Sent: Monday, January 07, 2002 10:53 AM
> Subject: [tvnsp] RE: Meeting dates
>
> John the Elder just let me know I didn't forward his email to the list,
> so here it is. The dates John figured are correct. These are the
> mmeting dates until mid April (Wan in Aprille.....).
>
> Paul
>
> > Do you want to post these?
> >
> > JohnK
> >
> > -----Original Message-----
> > From: VERHAP@... <mailto:VERHAP@...> [
> mailto:VERHAP@... <mailto:VERHAP@...>]
> > Sent: Friday, January 04, 2002 8:33 AM
> > To: John Knapp
> > Subject: Re: Meeting dates
> >
> >

> > > Due to the confusion of meeting dates it might be a good idea to publish
> them for the next several months. I figure they would be:
> > >
> > > Jan 13
> > > Jan 27
> > > Feb 10
> > > Feb 24
> > > Mar 10
> > > Mar 24
> > > April 7
> > > April 21
> > >
> > Sounds right, every two weeks.
> > >
> > Paul
> > >
> > >
> > >
> >
> >
> >
> >
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> .com/domain?d=holiday&cf=posthol01>
>
> <http://us.adserver.yahoo.com/l?M=216105.1806326.3318126.1261774/D=egroupmai
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>
>
>

1705. Thermal Testing

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-07 23:25:58 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1705 Message: 1705

At this Sunday's meeting, I'd like to make a couple of mini airframes. We'll use different types of insulation to cover them and then run thermal tests at HP. Jeff, do you have two thermochrons? I think I have a third. This will allow us to run the capsules to lower temperatures. We'll have to switch the t-chrons around, as we know we have a bad one.

Jeff, did you save the email from this summer ordering thermochrons? I need to call Dallas and see why our order is taking so long.

Paul

1706. RE: [tvnsp] Thermal Testing

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-08 00:04:06 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 1705 Message: 1706

Did you want to run the thermal tests that same evening?

-----Original Message-----
From: verhap@... [mailto:verhap@...]
Sent: Monday, January 07, 2002 9:26 AM
To: tvnsp@yahoogroups.com
Subject: [tvnsp] Thermal Testing

At this Sunday's meeting, I'd like to make a couple of mini
airframes. We'll use different types of insulation to cover them and
then run thermal tests at HP. Jeff, do you have two thermochrons?
I think I have a third. This will allow us to run the capsules to
lower temperatures. We'll have to switch the t-chrons around, as
we know we have a bad one.

Jeff, did you save the email from this summer ordering
thermochrons? I need to call Dallas and see why our order is
taking so long.

Paul

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3eM=215002.1818248.3328688.1261774/D=egroupweb/S=1705083281:HM/A=847665/R=1>

<http://us.adserver.yahoo.com/l?M=215002.1818248.3328688.1261774/D=egroupmai
l/S=1705083281:HM/A=847665/rand=275778072>

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1707. Re: Thermal Testing

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-08 01:44:07 UTC
From: n1ltv
Topic: 1705 Message: 1707

Paul,

As I mentioned before to you in email, the Dallas/Maxim
Thermochron situation is just terrible and getting only
worse.

There will be no Thermochrons shipped until March 2002 at
the *earliest*, no matter when your orders were made.

Anyone who has these should consider himself lucky, AND
you should disable any missions that may still be running,
since total measurements made determines the remaining
battery life.

Hank

> Jeff, did you save the email from this summer ordering
> thermochrons? I need to call Dallas and see why our order is
> taking so long.
>
> Paul

1708. RE: [tvnsp] Thermal Testing

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-08 14:33:22 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1705 Message: 1708

> Did you want to run the thermal tests that same evening?

I imagine we wouldn't have enough time. I'm thinking we'll need to use the meeting to get the capsules built.

The thermochrons will read data for 1.4 days. I think we'll program them in advance for you and then let you do your thing.

Paul

1709. GPSL 2002

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-08 17:23:48 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 481 Message: 1709

GPSL 2002 has a site for its mini-symposium. The Hale library at K-State has informed me that they have space for us (thanks, mom). The 4th of July is on Thurdsay. All those not suffering from second and third degree burns are invited to participate in the symposium and launch. The symposium will be held at the library on Friday. The doors open at 7:30, which will be our set up time. The symposium will begin at 9:00 AM sharp. Some snack type foods will be provided. Lunch is on your own, but I recommend either the campus cafeteria or a restuarant in Aggieville.

Kansas State University is located in beautiful Manhattan, Kansas. Manhattan is about an hour west of Topeka, the capitol. There are plenty of hotels available in Manhattan and Junction City. I'll put a packet together.

I'd like to line up speakers at this time. I assume all program managers would like a chance to speak. Please confirm this with me and your topic. Ralph Wallio has also expressed an interest, Ralph, what would you like your topic to be?

At this time, NSBG, NSTAR, HABITAT(?), and TVNSP have expressed in interest in attending. Are there other balloon groups? For instance, Zack's group, EOSS, or BOREALIS?

After Friday's mini we'll head out to the Johnson Near Space Center for capsule assembly and testing. Saturday, one hour before sunrise we'll open the doors again and begin filling balloons. The hope is to launch more than three balloons at one time. I'll also start lining up media coverage. Any help here would be appreciated.

More information will be forth coming. Any suggestions or ideas would be appreciated.

Paul

1710. Re: [tvnsp] Thermal Testing

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-08 18:13:51 UTC
From: Jeff Melanson
Topic: 1705 Message: 1710

Paul,

I'll bring the two thermochrons.

Did you graph the results of the thermochron testing I sent you?

I checked but I don't have the email order.

Jeff

verhap@... wrote:
>
> At this Sunday's meeting, I'd like to make a couple of mini
> airframes. We'll use different types of insulation to cover them and
> then run thermal tests at HP. Jeff, do you have two thermochrons?
> I think I have a third. This will allow us to run the capsules to
> lower temperatures. We'll have to switch the t-chrons around, as
> we know we have a bad one.
>
> Jeff, did you save the email from this summer ordering
> thermochrons? I need to call Dallas and see why our order is
> taking so long.
>
> Paul
>
>
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>
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1711. Re: [tvnsp] Thermal Testing

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-08 19:02:16 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1705 Message: 1711

> Paul,
>
> I'll bring the two thermochrons.
>
> Did you graph the results of the thermochron testing I sent you?
>
> I checked but I don't have the email order.

Graphs?

I must have missed the data. Can you email me that data again?
I'll get graphs together before the meeting.

Paul

1712. Recovery Systems

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-08 19:57:39 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1712 Message: 1712

FAR 101 allows us to send two, six pound capsules up on a balloon (that is if we want to keep it simple). There's no mention of parachute weights in FAR 101. I'm interested in getting feedback about putting some of the cpasule weight into the parachute and removing it from "capsule weight".

Things like audio beacons, I feel, are legitimately recovery aids and appropriately placed on the parachute ring. So if I have 1/2 or 1 pound of recovery aids and move them to the 'chute, does that still leave 12 pounds for my capsule?

Paul

1713. Re: [tvnsp] Thermal Testing

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-08 21:33:16 UTC
From: Jeff Melanson
Topic: 1705 Message: 1713
Attachments: 2 described; binary payloads are missing from this source WARC

> Graphs?
>
> I must have missed the data. Can you email me that data again?
> I'll get graphs together before the meeting.
>
> Paul

Paul,

Attached are two files. One is BNM.txt. It is the black thermochron. The other is the yellow thermochron. It is YMN.txt. The black thermochron was first placed in the box with no mylar then placed in my large freezer. The yellow thermochron was placed in the box with mylar and also placed in the freezer at the same time. They were both removed from the freezer and placed in room temperature for a long time. Next I swapped the thermochrons so that the black one is now in the box with mylar and the yellow one is in the box with no mylar. I placed them back in the freezer. After some time I removed them and let them warm up to room temperature. I downloaded the date. I also placed a mercury thermometer in my freezer and checked it a few times (not while the experiments were running). It indicates that my freezer runs about 0 to -6 degrees Fahrenheit. All we need is an interpretation of the results.

The file named BNM means Black thermochron, No mylar on the first run, Mylar on the second run.
The file named YMN means Yellow thermochron, Mylar on the first run, No mylar on the second run.

The small boxes were constructed by Paul. They are made of 1/2" blue Styrofoam. One is wrapped by 3 layers of mylar separated by scrim. Both are covered by black construction paper. The inside diameter is 3 inches cubed.

Jeff
KD7INN

1714. (Fwd) Re: [tvnsp] Thermal Testing

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-08 22:37:52 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1714 Message: 1714

------- Forwarded Message Follows -------
From: VERHAP@...
To: tvnsp@yahoogroups.com, boundary=
Date sent: Tue, 8 Jan 2002 14:39:49 -700
Subject: Re: [tvnsp] Thermal Testing
Priority: normal

Thanks Jeff.
I'll load them into the spread sheet tonight.

I'm planning for the Great Plains Super Launch for July fourth
weekend. Are you interested in traveling to Kansas at that time?

Paul

1715. Re: (Fwd) Re: [tvnsp] Thermal Testing

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-09 07:14:13 UTC
From: Jeff Melanson
Topic: 1714 Message: 1715

Paul,

I probably would not be able to go. My family has a 4th of July tradition that we attend with some friends. I would like to see some members go with you. It's probably easier for single people but work and time demands also play a role. It's definitley easier for teachers to plan trips like this. :)

Jeff

verhap@... wrote:
>
> ------- Forwarded Message Follows -------
> From: VERHAP@...
> To: tvnsp@yahoogroups.com, boundary=
> Date sent: Tue, 8 Jan 2002 14:39:49 -700
> Subject: Re: [tvnsp] Thermal Testing
> Priority: normal
>
> Thanks Jeff.
> I'll load them into the spread sheet tonight.
>
> I'm planning for the Great Plains Super Launch for July fourth
> weekend. Are you interested in traveling to Kansas at that time?
>
> Paul
>
>
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1716. Re: [tvnsp] Recovery Systems

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-09 07:21:15 UTC
From: Jeff Melanson
Topic: 1712 Message: 1716

Hmmm...

Perhaps this is a matter of interpretation. Does it say capusles or payloads? You can also send up three, four pound payloads. Can the 1 pound of recovery aids be defined as payload?

Jeff

verhap@... wrote:
>
> FAR 101 allows us to send two, six pound capsules up on a
> balloon (that is if we want to keep it simple). There's no mention of
> parachute weights in FAR 101. I'm interested in getting feedback
> about putting some of the cpasule weight into the parachute and
> removing it from "capsule weight".
>
> Things like audio beacons, I feel, are legitimately recovery aids and
> appropriately placed on the parachute ring. So if I have 1/2 or 1
> pound of recovery aids and move them to the 'chute, does that still
> leave 12 pounds for my capsule?
>
> Paul
>
>
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>
>
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1717. Re: [tvnsp] Recovery Systems

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-09 14:47:42 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1712 Message: 1717

> Hmmm...
>
> Perhaps this is a matter of interpretation. Does it say capusles or
> payloads? You can also send up three, four pound payloads. Can the 1
> pound of recovery aids be defined as payload?

FAR 101 doesn't define the term payload. When it speaks of
payload weights, it ignores parachutes (recovery systems).

Paul

1718. Re: [tvnsp] Recovery Systems

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-09 18:52:40 UTC
From: Mark Conner
Topic: 1712 Message: 1718

----- Original Message -----
From: verhap@...
Date: Wednesday, January 9, 2002 12:40 pm
Subject: Re: [tvnsp] Recovery Systems

> > Hmmm...
> >
> > Perhaps this is a matter of interpretation. Does it say capusles or
> > payloads? You can also send up three, four pound payloads. Can the 1
> > pound of recovery aids be defined as payload?
>
> FAR 101 doesn't define the term payload. When it speaks of
> payload weights, it ignores parachutes (recovery systems).
>
> Paul
>

Uh, does it ignore parachutes? My interpretation of it is that
anything that ain't balloon is payload. Otherwise we could include any
of the APRS gear as recovery systems and exclude it from the the weight
totals if we were to not include it in the "payload package".

I think the intent of Part 101 is to provide an upper bound of the
amount of airborne weight before a waiver and ATC approval is needed.
The FAA may not care if the weight is in a payload package or hanging
on a spreader ring.

- Mark

1719. Thermal testing this sunday

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-12 04:34:19 UTC
From: Dave Lastname
Topic: 1719 Message: 1719

This is Dave Ritz.

I am with my wife this weekend in Pullman where she lives. She is finishing her degree at WSU, which would
explain why I have so much time for these type of experiments eh?
I'll be back in Boise around 5-6pm on Sunday.
Again my cell is 866-5633. I'm happy to swing by and grab the nearcrafts for the thermal experiment..
or perhaps we can just plan on meeting at HP at say 6pm? I'm happy to do it myself and also happy to have
others come help/watch/learn whatever. Company is always welcome.

The thermal chamber takes a good 20 minutes to get as low as -60C. And it can go as low as -75C.
Do you guys have an idea of what kind of thermal routine you'd like to have performed?
Perhaps just run it down to some low temp and leave it there for an hour? Just let me know
and I'll get it done, and then again maybe some of you will come along?

I can be contacted this weekend at 509-332-7698 to work out the details if needed.

-----Original Message-----
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Sent: Monday, January 07, 2002 5:04 PM
To: 'tvnsp@yahoogroups.com'
Subject: RE: [tvnsp] Thermal Testing

Did you want to run the thermal tests that same evening?

-----Original Message-----
From: verhap@...
[mailto:verhap@...]
Sent: Monday, January 07, 2002 9:26 AM
To: tvnsp@yahoogroups.com
Subject: [tvnsp] Thermal Testing

At this Sunday's meeting, I'd like to make a couple of mini
airframes. We'll use different types of insulation to

cover them and
then run thermal tests at HP. Jeff, do you have two
thermochrons?
I think I have a third. This will allow us to run the
capsules to
lower temperatures. We'll have to switch the t-chrons
around, as
we know we have a bad one.

Jeff, did you save the email from this summer ordering

thermochrons? I need to call Dallas and see why our
order is
taking so long.

Paul

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1720. Re: [tvnsp] Thermal testing this sunday

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-12 21:51:53 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1719 Message: 1720

> Do you guys have an idea of what kind of thermal
> routine you'd like to have performed?
> Perhaps just run it down to some low temp and leave it
> there for an hour? Just let me know
> and I'll get it done, and then again maybe some of you
> will come along?

The capsules take about 1 hour to drop to -60 F. For the following hour, the air temp rises about 30 degrees. Then the balloon bursts. At that point the wind passing over the capsule increases its effectiveness at carrying away any heat.

Paul

1721. RE: [tvnsp] results of chip to acquire temperature.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-14 03:10:14 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 1721 Message: 1721
Attachments: 1 described; binary payloads are missing from this source WARC

Just as a follow up... the simple diode implementation for a thermometer
was perfectly linear over the range -60 to 40 Celsius using a 2N3904 (NPN)
transistor.
Please see the attached spreadsheet.... for the details
<http://home.elp.rr.com/brewbeer/Thermo/#Homebrewed%20Thermometers>
http://home.elp.rr.com/brewbeer/Thermo/#Homebrewed%20Thermometers
Currently I'm using an analog to digital converter to capture this data...
my current implementation is using a basic stamp 2sx, an analog mux, and a
A2D...
it is a fairly bulky and relatively power inefficient solution with lots of
jumper
wires running all over the place.
I went to a pic chip demo yesterday.... there are a few models of pic chips
that have all
of the above (And more) onboard. They also are capable of operating far
below zero
(industrial/military spec). The only downside is that they have to be
programmed in
assembly (unless you want to fork out another $200 for the C compiler). The
pic chips
are also a fraction of the cost of a basic stamp. I am getting a quote for
the dev kit
and pic chips next week and should have them here in a few weeks....
One amazing feature of the software (free online) is that you can develop
code and TEST
it with the software as though you are really attached to the pic chip...
allowing for development
without even having a pic chip or dev board. Talk about a head start....

-----Original Message-----
From: RITZENTHALER,DAVID (HP-Boise,ex1) [mailto:david_ritzenthaler@...]
Sent: Friday, January 04, 2002 4:14 PM
To: 'tvnsp@yahoogroups.com'
Subject: RE: [tvnsp] chip to acquire temperature.

Excellent, that will be a fun project.
I'm free this weekend and next weekend.
My cell is 866-5633. How would you like
to arrange the transfer of the capsules?

I'll look into the chip you suggest.
Over lunch i came across a diode design....
http://home.elp.rr.com/brewbeer/Thermo/#Homebrewed%20Thermometers
<http://home.elp.rr.com/brewbeer/Thermo/#Homebrewed%20Thermometers>
I really like it because it is simple and cheap.

I'll play around with it in the chamber and see how linear
it is over the range of interest.

-----Original Message-----
From: verhap@... [mailto:verhap@...]
Sent: Friday, January 04, 2002 8:32 AM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] chip to acquire temperature.

> I was looking for an inexpensive solution for temperature
> acquisition... I came across the DS1620 (around $3.50)
> its specified range of operation is:
> 257'F to -67'F...
>
> Anybody know of an inexpensive IC that would go as low as....
> say -80'F... Also if you could suggest a source to buy
> one, that would be helpful... a URL or something...

I use an LM335 and digitize the voltage with a MAX186. We have
used thermochrons which have a built in memory, thermometer,
and clock. However they only drop as low as -40F. On the plus
side, temperatures inside the near space capsule usually don't
drop below freezing.

We've used a refrigerator as a thermal chamber in the past. This
would be upscale for TVNSP and appreciated. We'll built a set of
capsule airframes a little smaller than typical for the test. We can
add varying amounts of MLI as part of the test.

> What are the dimensions of Paul's "standard" nearcraft? I think our
> chamber is barely larger that the craft at:
> (exactly) 11"x12"x16". (Depth x Height x Width)

They tend to be 10 by 10 by 12 or 12 by 12 by 12.

But we can modify them (where's that hammer?).

Paul

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.com/domain?d=holiday&cf=posthol01>

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1722. Re: [tvnsp] results of chip to acquire temperature.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-14 05:19:08 UTC
From: Zack Clobes
Topic: 1721 Message: 1722

CCS (Custom Computer Services?) has a great C compiler for $100. There are all kinds of packet/APRS routines available for it on the web. Unless you're already very proficient already in asm, skip it and go C (I speak from experience).
Zack
----- Original Message -----
From: RITZENTHALER,DAVID (HP-Boise,ex1)
To: 'tvnsp@yahoogroups.com'
Sent: Sunday, January 13, 2002 7:10 PM
Subject: RE: [tvnsp] results of chip to acquire temperature.

Just as a follow up... the simple diode implementation for a thermometer
was perfectly linear over the range -60 to 40 Celsius using a 2N3904 (NPN) transistor.
Please see the attached spreadsheet.... for the details
http://home.elp.rr.com/brewbeer/Thermo/#Homebrewed%20Thermometers
Currently I'm using an analog to digital converter to capture this data...
my current implementation is using a basic stamp 2sx, an analog mux, and a A2D...
it is a fairly bulky and relatively power inefficient solution with lots of jumper
wires running all over the place.
I went to a pic chip demo yesterday.... there are a few models of pic chips that have all of the above (And more) onboard. They also are capable of operating far below zero (industrial/military spec). The only downside is that they have to be programmed in assembly (unless you want to fork out another $200 for the C compiler). The pic chips are also a fraction of the cost of a basic stamp. I am getting a quote for the dev kit and pic chips next week and should have them here in a few weeks....
One amazing feature of the software (free online) is that you can develop code and TEST it with the software as though you are really attached to the pic chip... allowing for development
without even having a pic chip or dev board. Talk about a head start....

-----Original Message-----
From: RITZENTHALER,DAVID (HP-Boise,ex1) [mailto:david_ritzenthaler@...]
Sent: Friday, January 04, 2002 4:14 PM
To: 'tvnsp@yahoogroups.com'
Subject: RE: [tvnsp] chip to acquire temperature.

Excellent, that will be a fun project.
I'm free this weekend and next weekend.
My cell is 866-5633. How would you like
to arrange the transfer of the capsules?

I'll look into the chip you suggest.
Over lunch i came across a diode design....
http://home.elp.rr.com/brewbeer/Thermo/#Homebrewed%20Thermometers
I really like it because it is simple and cheap.
I'll play around with it in the chamber and see how linear
it is over the range of interest.

-----Original Message-----
From: verhap@....us [mailto:verhap@...]
Sent: Friday, January 04, 2002 8:32 AM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] chip to acquire temperature.

> I was looking for an inexpensive solution for temperature
> acquisition... I came across the DS1620 (around $3.50)
> its specified range of operation is:
> 257'F to -67'F...
>
> Anybody know of an inexpensive IC that would go as low as....
> say -80'F... Also if you could suggest a source to buy
> one, that would be helpful... a URL or something...

I use an LM335 and digitize the voltage with a MAX186. We have
used thermochrons which have a built in memory, thermometer,
and clock. However they only drop as low as -40F. On the plus
side, temperatures inside the near space capsule usually don't
drop below freezing.

We've used a refrigerator as a thermal chamber in the past. This
would be upscale for TVNSP and appreciated. We'll built a set of
capsule airframes a little smaller than typical for the test. We can
add varying amounts of MLI as part of the test.

> What are the dimensions of Paul's "standard" nearcraft? I think our
> chamber is barely larger that the craft at:
> (exactly) 11"x12"x16". (Depth x Height x Width)

They tend to be 10 by 10 by 12 or 12 by 12 by 12.

But we can modify them (where's that hammer?).

Paul

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1723. Thermal Testing/Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-14 19:54:07 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1723 Message: 1723

We have four test articles in process of being completed. Next meeting we'll wrap them in MLI of alumized mylar and nylon mesh as an interlayer.

We'll use a single thermochron on these tests.

We got a lot done. Mike, when I sew parachutes, I fold the seams over first. I use finger nails to put a sharp crease in the fabric. That makes interlocking the gores easier.

I have printed 100 trifold brochures on near space. 100 more will be printed this week.

Paul

1724. Re: April Launches

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-15 14:48:45 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1724 Message: 1724

> We really need to settle the launch dates for April. The scouting program, Willow Creek, is April 12-14. The Snake River Hamfest is April 27. By the next meeting can you find out about DCI and if they want us to launch that weekend, like last year.
>
> The reason I need to know is the Snake River group wants me to do the trailer then again this year. And I need to know if I can help with the Hamfest or if we need to do base station there again.

Astronomy Day is April 20th. I think that's going to be our April launch, so it should be between the scouts and hamfest.

Paul

1725. Re: [tvnsp] Re: April Launches

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-15 15:09:00 UTC
From: John Knapp
Topic: 1724 Message: 1725

Thanks Paul.

Are we going to set up at DCI again this year?

JohnK
--- verhap@... wrote:
> > We really need to settle the launch dates for
> April. The scouting program, Willow Creek, is April
> 12-14. The Snake River Hamfest is April 27. By the
> next meeting can you find out about DCI and if they
> want us to launch that weekend, like last year.
> >
> > The reason I need to know is the Snake River group
> wants me to do the trailer then again this year. And
> I need to know if I can help with the Hamfest or if
> we need to do base station there again.
>
> Astronomy Day is April 20th. I think that's going
> to be our April
> launch, so it should be between the scouts and
> hamfest.
>
> Paul
>

_____
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1726. 2002 Launch Season

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-15 23:09:35 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1726 Message: 1726

Astronomy Day is April 20th. I've emailed DCI and asked if they were interested. Bruneau Dunes expressed an interest also, so I emailed them also. In both cases we'll need to set up a mission control.

I'd still like to launch ATV for Twin.

If we made these the first three launches, that would give us launches for March, April, and May.

I'll be on vacation and doing GPSL 2002 during June and July.

I'd like to try meteors again in August. Somewhere in here I'd also like to do a morning launch to record sunrise from above 75,000 feet.

Any inputs?

Paul

1727. RE: [tvnsp] 2002 Launch Season

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-15 23:29:20 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 1726 Message: 1727

Just for the fun factor, it might be interesting and fun to do the morning launch on either the Equinox or the Solstice.

We're going to need a more stable platform to capture the sunrise, won't we? That would be more effective than catching the sunrise on the fly as it spins around.

That wouldn't apply to the meteors, I'd think. Having it spin around might actually be an advantage for meteor hunting. Seeing the meteors from all angles as they interact with the atmosphere could be interesting.

Bill B.

> -----Original Message-----
> I'd like to try meteors again in August. Somewhere in here I'd also
> like to do a morning launch to record sunrise from above 75,000
> feet.
>
> Any inputs?
>
> Paul

1728. RE: [tvnsp] 2002 Launch Season

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-15 23:37:13 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1726 Message: 1728

> Just for the fun factor, it might be interesting and fun to do the morning
> launch on either the Equinox or the Solstice.

So plan for a 21 September launch?

> We're going to need a more stable platform to capture the sunrise, won't we?
> That would be more effective than catching the sunrise on the fly as it
> spins around.

Slow spinning is alright. With my luck, if we stopped the spin,
we'd be pointing in the wrong direction.

Paul

1729. Old balloons

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-16 02:04:20 UTC
From: Zack Clobes
Topic: 1729 Message: 1729

I've got a 1200g balloon from last year laying around yet. The only problem is that it set in a van for a day or two last summer and has since turned colors. Is it a goner?

Thanks,
Zack

1730. Re: [tvnsp] 2002 Launch Season

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-16 15:43:44 UTC
From: John Knapp
Topic: 1726 Message: 1730

My only concern is a night launch from Twin Falls again. We should be able to make a decision on where to launch from (general area) by Wednesday of the week. I think we need to look at Launching from the Twin Area or the Boise area. For for some reason the Twin Area has not been a nice place to launch from. Some thought will need to go into this. Also a practice night launch and recovery would also be in order. It is totally different than during the day.

John Knapp
KD7HGS
--- verhap@... wrote:
> Astronomy Day is April 20th. I've emailed DCI and
> asked if they
> were interested. Bruneau Dunes expressed an
> interest also, so I
> emailed them also. In both cases we'll need to set
> up a mission
> control.
>
> I'd still like to launch ATV for Twin.
>
> If we made these the first three launches, that
> would give us
> launches for March, April, and May.
>
> I'll be on vacation and doing GPSL 2002 during June
> and July.
>
> I'd like to try meteors again in August. Somewhere
> in here I'd also
> like to do a morning launch to record sunrise from
> above 75,000
> feet.
>
> Any inputs?
>
> Paul
>

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1731. Re: [tvnsp] 2002 Launch Season

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-16 16:02:10 UTC
From: Doug Rich
Topic: 1726 Message: 1731

At 04:09 PM 1/15/02 -0700, you wrote:
>Astronomy Day is April 20th. I've emailed DCI and asked if they
>were interested. Bruneau Dunes expressed an interest also, so I
>emailed them also. In both cases we'll need to set up a mission
>control.
>
>I'd still like to launch ATV for Twin.
>
>If we made these the first three launches, that would give us
>launches for March, April, and May.
>
>I'll be on vacation and doing GPSL 2002 during June and July.
>
>I'd like to try meteors again in August. Somewhere in here I'd also
>like to do a morning launch to record sunrise from above 75,000
>feet.
>
>Any inputs?

I would like to see a launch at the Boise River Fest.

Doug

1732. Re: [tvnsp] 2002 Launch Season

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-16 17:59:03 UTC
From: John Knapp
Topic: 1726 Message: 1732

Good, no GREAT idea.

JohnK
--- Doug Rich <doug@...> wrote:
> At 04:09 PM 1/15/02 -0700, you wrote:
> >Astronomy Day is April 20th. I've emailed DCI and
> asked if they
> >were interested. Bruneau Dunes expressed an
> interest also, so I
> >emailed them also. In both cases we'll need to set
> up a mission
> >control.
> >
> >I'd still like to launch ATV for Twin.
> >
> >If we made these the first three launches, that
> would give us
> >launches for March, April, and May.
> >
> >I'll be on vacation and doing GPSL 2002 during June
> and July.
> >
> >I'd like to try meteors again in August. Somewhere
> in here I'd also
> >like to do a morning launch to record sunrise from
> above 75,000
> >feet.
> >
> >Any inputs?
>
> I would like to see a launch at the Boise River
> Fest.
>
> Doug

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1733. Re: [tvnsp] 2002 Launch Season

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-16 18:36:01 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1726 Message: 1733

> My only concern is a night launch from Twin Falls
> again. We should be able to make a decision on where
> to launch from (general area) by Wednesday of the
> week. I think we need to look at Launching from the
> Twin Area or the Boise area. For for some reason the
> Twin Area has not been a nice place to launch from.
> Some thought will need to go into this. Also a
> practice night launch and recovery would also be in
> order. It is totally different than during the day.

Since we want to fly ATV for Twin, we need to make that a day launch. We'll do the night launches from our backyard.

Paul

1734. (Fwd) Re: [tvnsp] 2002 Launch Season

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-16 19:17:36 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1734 Message: 1734

------- Forwarded Message Follows -------
From: VERHAP@...
To: tvnsp@yahoogroups.com, boundary=
Date sent: Wed, 16 Jan 2002 11:36:55 -700
Subject: Re: [tvnsp] 2002 Launch Season
Priority: normal

> I would like to see a launch at the Boise River Fest.

Is the River Fest in early June?

I'll be gone at that time, but Jeff has a balloon tracker.

Paul

1735. (Fwd) RE: Balloon Launch?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-16 19:18:54 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1735 Message: 1735

This from Wes at Bruneau Dunes. Early September, perhaps
Labor Day (?) is the Star Party.

Paul

------- Forwarded Message Follows -------
From: Bruneau Dunes State Park <BRU@...>
To: "'VERHAP@...'" <VERHAP@...>
Subject: RE: Balloon Launch?
Date sent: Wed, 16 Jan 2002 11:42:32 -0700

Hi Paul, We have just been informed of the Idaho Star Party being held in
September. Would this be something we could do then? Thanks, Wes

-----Original Message-----
From: VERHAP@... [mailto:VERHAP@...]
Sent: Tuesday, January 15, 2002 9:04 AM
To: bru@...
Subject: Balloon Launch?

This is Paul Verhage witht he BAS and the high altitude balloon
program. We're beginning to plan our launch season for 2002. WE
hope to launch for DCI on Astronomy Day. Last year a ranger
expressed an interest in having us launch from the park and
operating a mission control. I would like to find out if you're still
interested. We start launching in March. April's flight might be
with DCI. May is still open. In June and July we'll probably be
launching in the midwest. August, September, and October are
open.

Let me know anf thanks for your time,
Paul Verhage

1736. RE: [tvnsp] 2002 Launch Season

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-16 20:06:22 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 1726 Message: 1736

> > Just for the fun factor, it might be interesting and fun to
> do the morning
> > launch on either the Equinox or the Solstice.
>
> So plan for a 21 September launch?

Or June.

> > We're going to need a more stable platform to capture the
> sunrise, won't we?
> > That would be more effective than catching the sunrise on
> the fly as it
> > spins around.
>
> Slow spinning is alright. With my luck, if we stopped the spin,
> we'd be pointing in the wrong direction.

I thought I was the only one with that kind of luck.

Bill

1737. Re: [tvnsp] 2002 Launch Season

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-17 00:35:02 UTC
From: Tony Barrett
Topic: 1726 Message: 1737
Attachments: 2 described; binary payloads are missing from this source WARC

So when you say "ATV" do you mean Amateur Television? Are you going to transmit live video from the balloon? What are you using for batteries and how long do you expect the transmission to last? With the wider bandwidth of a TV signal, all the TV transmitters I'm familiar with really drink the juice. Are you running slow scan TV?

I have a pocket sized 5 or 15 watt 3 channel fast scan TV transmitter that might be suitable for a balloon flight. It transmits on one of three channels (switch selectable) in the UHF band at about 425 to 434 MHz. This means that the signal can be received on any "cable ready" TV. I also own a twelve element phased receiving array and some suitable preamps and a rotor system for receiving ATV. I once sent a TV signal 56 miles (mountain top to valley) with less than 5 watts, but that was with a beam on the transmitter too.

Tony

At 11:36 AM 1/16/02 -0700, you wrote:
> > My only concern is a night launch from Twin Falls
> > again. We should be able to make a decision on where
> > to launch from (general area) by Wednesday of the
> > week. I think we need to look at Launching from the
> > Twin Area or the Boise area. For for some reason the
> > Twin Area has not been a nice place to launch from.
> > Some thought will need to go into this. Also a
> > practice night launch and recovery would also be in
> > order. It is totally different than during the day.
>
>Since we want to fly ATV for Twin, we need to make that a day
>launch. We'll do the night launches from our backyard.
>
>Paul
>
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1738. RE: [tvnsp] 2002 Launch Season

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-17 04:21:34 UTC
From: K7JPS - John
Topic: 1726 Message: 1738

If we do a launch from the River Festival we need to get it planned early because it may require a waiver under FAR 101. Since VOI has a working relationship with the River Fest, this should not be a significant problem.

John Stone
K7JPS
-----Original Message-----
From: Doug Rich [mailto:doug@...]
Sent: Wednesday, January 16, 2002 09:02
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] 2002 Launch Season

At 04:09 PM 1/15/02 -0700, you wrote:

Astronomy Day is April 20th. I've emailed DCI and asked if they were interested. Bruneau Dunes expressed an interest also, so I emailed them also. In both cases we'll need to set up a mission control.

I'd still like to launch ATV for Twin.

If we made these the first three launches, that would give us launches for March, April, and May.

I'll be on vacation and doing GPSL 2002 during June and July.

I'd like to try meteors again in August. Somewhere in here I'd also like to do a morning launch to record sunrise from above 75,000 feet.

Any inputs?

I would like to see a launch at the Boise River Fest.

Doug
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1739. Re: [tvnsp] 2002 Launch Season

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-17 14:37:48 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1726 Message: 1739

> So when you say "ATV" do you mean Amateur Television? Are you going to
> transmit live video from the balloon? What are you using for batteries and
> how long do you expect the transmission to last? With the wider bandwidth
> of a TV signal, all the TV transmitters I'm familiar with really drink the
> juice. Are you running slow scan TV?

Yep, amateur TV. I've sent it a few times back in Kansas. The
one watt TX I have runs an entire flight. however, the video quality
drops pretty fast. Your ATV TX is much more powerfult hat what I
have. Can you weigh it and its batteries?

I've also run slow scan. I used the VC-H1 visual communicator and
had reception from over 100 miles.

I'll post the frequency we need to transmit on. Twin has an ATV
repeater, so we want to be close to them when we launch.

Paul

1740. (Fwd) RE: [tvnsp] 2002 Launch Season

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-17 14:46:01 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1740 Message: 1740

The issue will be launching so close to people. I imagine we'll just launch down wind from the public. How do they do the hot air balloons?

Paul

> If we do a launch from the River Festival we need to get it planned early
> because it may require a waiver under FAR 101. Since VOI has a working
> relationship with the River Fest, this should not be a significant problem.
>
> John Stone
> K7JPS
> -----Original Message-----
> From: Doug Rich [mailto:doug@...]
> Sent: Wednesday, January 16, 2002 09:02
> To: tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] 2002 Launch Season
>
>
> At 04:09 PM 1/15/02 -0700, you wrote:
>
> Astronomy Day is April 20th. I've emailed DCI and asked if they
> were interested. Bruneau Dunes expressed an interest also, so I
> emailed them also. In both cases we'll need to set up a mission
> control.
>
> I'd still like to launch ATV for Twin.
>
> If we made these the first three launches, that would give us
> launches for March, April, and May.
>
> I'll be on vacation and doing GPSL 2002 during June and July.
>
> I'd like to try meteors again in August. Somewhere in here I'd also
> like to do a morning launch to record sunrise from above 75,000
> feet.
>
> Any inputs?
>
> I would like to see a launch at the Boise River Fest.
>
> Doug
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1741. Patches

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-17 15:15:49 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1741 Message: 1741

Patches are $6.95 if I order 100 of them. Please send email letting
me know who would like some and how many.

Paul

1742. Re: [tvnsp] Patches

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-17 15:59:52 UTC
From: John Knapp
Topic: 1741 Message: 1742

Probably two to start with.

JohnK
--- verhap@... wrote:
> Patches are $6.95 if I order 100 of them. Please
> send email letting
> me know who would like some and how many.
>
> Paul
>

_____
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1743. Re: Patches

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-17 20:03:29 UTC
From: n1ltv
Topic: 1741 Message: 1743

> Patches are $6.95 if I order 100 of them.

Paul,

I may be asking what others are also thinking that don't
get to any of your local meetings. Can you put a photo
or sketch of the design on the web somewhere?

Maybe you're just asking to get a general idea of demand
and the design hasn't even been established yet.

Sorry if I'm out in left field on this.

Hank

1744. Re: [tvnsp] 2002 Launch Season

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-18 00:28:12 UTC
From: Tony Barrett
Topic: 1726 Message: 1744
Attachments: 2 described; binary payloads are missing from this source WARC

Hello Paul,

I don't really have a very good way of weighing my transmitter. I'll see
if I can figure something out. Batteries are external, so its what ever
you want to connect that will deliver 12 volts at 1/2 to 3/4 of an amp.

I'm familiar with the ATV repeater on Mount Harrison above Twin Falls. My
friend Lee Kelly keeps it running. I went to the hill with him last
July. As I recall, that repeater takes a UHF signal in and transmits back
out on a much higher frequency like 900 MHz or 1.2 GHz. At least my
transmitter is in the right band to use their repeater. Do you know the
input frequency of the ATV repeater? Guess I should ask Lee.

Looks like more mail from you to read.

Tony

At 07:37 AM 1/17/02 -0700, you wrote:
> > So when you say "ATV" do you mean Amateur Television? Are you going to
> > transmit live video from the balloon? What are you using for batteries
> and
> > how long do you expect the transmission to last? With the wider bandwidth
> > of a TV signal, all the TV transmitters I'm familiar with really drink the
> > juice. Are you running slow scan TV?
>
>Yep, amateur TV. I've sent it a few times back in Kansas. The
>one watt TX I have runs an entire flight. however, the video quality
>drops pretty fast. Your ATV TX is much more powerfult hat what I
>have. Can you weigh it and its batteries?
>
>I've also run slow scan. I used the VC-H1 visual communicator and
>had reception from over 100 miles.
>
>I'll post the frequency we need to transmit on. Twin has an ATV
>repeater, so we want to be close to them when we launch.
>
>Paul
>
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1745. Re: (Fwd) RE: [tvnsp] 2002 Launch Season

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-18 00:30:16 UTC
From: Tony Barrett
Topic: 1740 Message: 1745
Attachments: 2 described; binary payloads are missing from this source WARC

The have launch areas roped off from the public (and patrolled by police
and other volunteers) at the Boise River Festival.

At 07:46 AM 1/17/02 -0700, you wrote:
>The issue will be launching so close to people. I imagine we'll just
>launch down wind from the public. How do they do the hot air
>balloons?
>
>Paul
>
> > If we do a launch from the River Festival we need to get it planned early
> > because it may require a waiver under FAR 101. Since VOI has a working
> > relationship with the River Fest, this should not be a significant problem.
> >
> > John Stone
> > K7JPS
> > -----Original Message-----
> > From: Doug Rich [mailto:doug@...]
> > Sent: Wednesday, January 16, 2002 09:02
> > To: tvnsp@yahoogroups.com
> > Subject: Re: [tvnsp] 2002 Launch Season
> >
> >
> > At 04:09 PM 1/15/02 -0700, you wrote:
> >
> > Astronomy Day is April 20th. I've emailed DCI and asked if they
> > were interested. Bruneau Dunes expressed an interest also, so I
> > emailed them also. In both cases we'll need to set up a mission
> > control.
> >
> > I'd still like to launch ATV for Twin.
> >
> > If we made these the first three launches, that would give us
> > launches for March, April, and May.
> >
> > I'll be on vacation and doing GPSL 2002 during June and July.
> >
> > I'd like to try meteors again in August. Somewhere in here I'd also
> > like to do a morning launch to record sunrise from above 75,000
> > feet.
> >
> > Any inputs?
> >
> > I would like to see a launch at the Boise River Fest.

> >
> > Doug
> > Yahoo! Groups Sponsor
> > ADVERTISEMENT
> >
> >
> >
> >
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2/R=0/*http://www.classmates.com/index.tf?s=5085>13c456.jpg
>13c5d5.jpg
>
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1746. Re: [tvnsp] 2002 Launch Season

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-18 05:54:08 UTC
From: Tony Barrett
Topic: 1726 Message: 1746
Attachments: 2 described; binary payloads are missing from this source WARC

Paul,

The transmitter without batteries weighs 340 grams. The amplifier that turns 5 watts into 15 weights 430 grams. More watts gets us more range, but less time, so we might not need the range. Then again, with a sub-optimal omni-directional antenna on the balloon we may need all the help we can get. If we can really get into the repeater there's no need to run much power.

My receiving array is fairly portable, and broadbanded too, so we might use it if we can't get into the repeater. We might want to use it anyway. With the repeater, there would be omni-directional antennas without much gain on both ends. At least with a beam array and a receive preamp on one end you might see a better picture than off the repeater. The repeater can only transmit as good as it gets, so if the incoming signal is marginal, ...

I don't know how 340 grams plus battery fits in with your payload, but its something to think about.

Tony

At 07:37 AM 1/17/02 -0700, you wrote:
> > So when you say "ATV" do you mean Amateur Television? Are you going to
> > transmit live video from the balloon? What are you using for batteries
> and
> > how long do you expect the transmission to last? With the wider bandwidth
> > of a TV signal, all the TV transmitters I'm familiar with really drink the
> > juice. Are you running slow scan TV?
>
>Yep, amateur TV. I've sent it a few times back in Kansas. The
>one watt TX I have runs an entire flight. however, the video quality
>drops pretty fast. Your ATV TX is much more powerfult hat what I
>have. Can you weigh it and its batteries?
>
>I've also run slow scan. I used the VC-H1 visual communicator and
>had reception from over 100 miles.
>
>I'll post the frequency we need to transmit on. Twin has an ATV
>repeater, so we want to be close to them when we launch.
>
>Paul
>
>Yahoo! Groups Sponsor
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2/R=0/*http://www.classmates.com/index.tf?s=5085>13c52f5.jpg
>13c5473.jpg
>
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1747. Re: [tvnsp] 2002 Launch Season

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-18 07:02:45 UTC
From: Tony Barrett
Topic: 1726 Message: 1747
Attachments: 2 described; binary payloads are missing from this source WARC

I've got some 4 amp hour lead-acid gel cells that weigh over a kilogram. My catalog says 1.74 kg (3.84 lbs.) Even my 1.9 amp hour gel cell weighs over 500 grams. And at a 3/4 amp discharge rate (5 watts), even a 4 amp hour cell is only good for about 3 hours according to the load lines in my catalog.

We can get 4.4 amp hours of nicads for about 1.4 Kg. Not a huge improvement. NiMH would be just under 1 Kg, and I'm not sure they can supply that much current - even with the amp hour rating. They tend to sag under load big time. We're talking some big bucks too ($85) unless someone can find a good deal on a couple of NiMH camcorder batteries.

Hmm ... I found some NiMH cells rated for discharge at up to 10C. Maybe these wouldn't sag. $95, 3 AH, 13.2 volts, 605 grams, plus we'd need a special charger. These cells would get us 4 hours theoretically. I'm not sure how they do at lower temps.

Anyone have a catalog on Lithium ion batteries? Even bigger bucks I'll bet.

At -20 degrees C the battery capacity for lead acid gel cells is only 50%, so if the battery gets cold at altitude, we may only get an hour of transmit time.

Seems like a lot of weight and dollars to see it now instead of waiting for the tape. Are there good reasons to see it live?

Tony

At 07:37 AM 1/17/02 -0700, you wrote:
> > So when you say "ATV" do you mean Amateur Television? Are you going to
> > transmit live video from the balloon? What are you using for batteries
> and
> > how long do you expect the transmission to last? With the wider bandwidth
> > of a TV signal, all the TV transmitters I'm familiar with really drink the
> > juice. Are you running slow scan TV?
>
>Yep, amateur TV. I've sent it a few times back in Kansas. The
>one watt TX I have runs an entire flight. however, the video quality
>drops pretty fast. Your ATV TX is much more powerfult hat what I
>have. Can you weigh it and its batteries?
>
>I've also run slow scan. I used the VC-H1 visual communicator and
>had reception from over 100 miles.
>
>I'll post the frequency we need to transmit on. Twin has an ATV
>repeater, so we want to be close to them when we launch.

>
>Paul
>
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2/R=0/*http://www.classmates.com/index.tf?s=5085>17b2983.jpg
>17b2afc.jpg
>
>To unsubscribe from this group, send an email to:
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>
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1748. Re: [tvnsp] Patches

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-18 10:59:11 UTC
From: Tim Rynearson
Topic: 1741 Message: 1748
Attachments: 1 described; binary payloads are missing from this source WARC

I would take a couple....

-------Original Message-------

From:verhap@occ1.sd01.k12.id.us
Date: Thursday, January 17, 2002 08:07:52 AM
To:tvnsp@yahoogroups.com
Subject: [tvnsp] Patches

Patches are $6.95 if I order 100 of them. Please send email letting
me know who would like some and how many.

Paul

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tvnsp-unsubscribe@egroups.com

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1749. Re: [tvnsp] Patches

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-18 11:19:10 UTC
From: Stephanie Steele
Topic: 1741 Message: 1749

I would take 4-6.
--
Stephanie
****
"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."
Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.
"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."
President Thomas Jefferson.
1743-1826
****
Send and receive money safely over the Internet by using PayPal. I use it and highly recommend it as a safe and reliable means to conduct business. By using the link below we both will receive a $5 sign up bonus.
https://www.paypal.com/refer/pal=kc7dba%40arrl.net

1750. Re: [tvnsp] Re: Patches

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-18 14:47:27 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1741 Message: 1750

Can someone scan a t-shirt for Hank? The patch is the TVNSP
logo on our t-shirts.

Paul

> > Patches are $6.95 if I order 100 of them.
>
> Paul,
>
> I may be asking what others are also thinking that don't
> get to any of your local meetings. Can you put a photo
> or sketch of the design on the web somewhere?
>
> Maybe you're just asking to get a general idea of demand
> and the design hasn't even been established yet.
>
> Sorry if I'm out in left field on this.
>
> Hank
>
>
>
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>
>
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1751. Re: [tvnsp] 2002 Launch Season

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-18 14:57:56 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1726 Message: 1751

Can you bring it to the next meeting? I'll bring my ATV stuff also.

Paul
> Hello Paul,
>
> I don't really have a very good way of weighing my transmitter. I'll see
> if I can figure something out. Batteries are external, so its what ever
> you want to connect that will deliver 12 volts at 1/2 to 3/4 of an amp.
>
> I'm familiar with the ATV repeater on Mount Harrison above Twin Falls. My
> friend Lee Kelly keeps it running. I went to the hill with him last
> July. As I recall, that repeater takes a UHF signal in and transmits back
> out on a much higher frequency like 900 MHz or 1.2 GHz. At least my
> transmitter is in the right band to use their repeater. Do you know the
> input frequency of the ATV repeater? Guess I should ask Lee.
>
> Looks like more mail from you to read.
>
> Tony
>
> At 07:37 AM 1/17/02 -0700, you wrote:
> > > So when you say "ATV" do you mean Amateur Television? Are you going to
> > > transmit live video from the balloon? What are you using for batteries
> > and
> > > how long do you expect the transmission to last? With the wider bandwidth
> > > of a TV signal, all the TV transmitters I'm familiar with really drink the
> > > juice. Are you running slow scan TV?
> >
> >Yep, amateur TV. I've sent it a few times back in Kansas. The
> >one watt TX I have runs an entire flight. however, the video quality
> >drops pretty fast. Your ATV TX is much more powerfult hat what I
> >have. Can you weigh it and its batteries?
> >
> >I've also run slow scan. I used the VC-H1 visual communicator and
> >had reception from over 100 miles.
> >
> >I'll post the frequency we need to transmit on. Twin has an ATV
> >repeater, so we want to be close to them when we launch.
> >
> >Paul
> >
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352/R=0/*http://www.classmates.com/index.tf?s=5085>11e02a.jpg

> >11e21b.jpg
> >
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>

1752. Re: (Fwd) RE: [tvnsp] 2002 Launch Season

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-18 14:59:26 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1740 Message: 1752

I think the FAR concerns regard having stuff drop off the capsule,
early in the flight. I think that if TVNSP launches on the downwind
side of a open field, we will meet the requirements of FAR 101.

Paul

> The have launch areas roped off from the public (and patrolled by police
> and other volunteers) at the Boise River Festival.
>
> At 07:46 AM 1/17/02 -0700, you wrote:
> >The issue will be launching so close to people. I imagine we'll just
> >launch down wind from the public. How do they do the hot air
> >balloons?
> >
> >Paul
> >
> > > If we do a launch from the River Festival we need to get it planned early
> > > because it may require a waiver under FAR 101. Since VOI has a working
> > > relationship with the River Fest, this should not be a significant problem.
> > >
> > > John Stone
> > > K7JPS
> > > -----Original Message-----
> > > From: Doug Rich [mailto:doug@...]
> > > Sent: Wednesday, January 16, 2002 09:02
> > > To: tvnsp@yahoogroups.com
> > > Subject: Re: [tvnsp] 2002 Launch Season
> > >
> > >
> > > At 04:09 PM 1/15/02 -0700, you wrote:
> > >
> > > Astronomy Day is April 20th. I've emailed DCI and asked if they
> > > were interested. Bruneau Dunes expressed an interest also, so I
> > > emailed them also. In both cases we'll need to set up a mission
> > > control.
> > >
> > > I'd still like to launch ATV for Twin.
> > >
> > > If we made these the first three launches, that would give us
> > > launches for March, April, and May.
> > >
> > > I'll be on vacation and doing GPSL 2002 during June and July.
> > >
> > > I'd like to try meteors again in August. Somewhere in here I'd also
> > > like to do a morning launch to record sunrise from above 75,000

> > > feet.
> > >
> > > Any inputs?
> > >
> > > I would like to see a launch at the Boise River Fest.
> > >
> > > Doug
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> > >
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> >13c5d5.jpg
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1753. RE: [tvnsp] Patches

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-18 15:06:00 UTC
From: K7JPS - John
Topic: 1741 Message: 1753

Paul, count me in for 4

John Stone
K7JPS
-----Original Message-----
From: verhap@... [mailto:verhap@...]
Sent: Thursday, January 17, 2002 08:16
To: tvnsp@yahoogroups.com
Subject: [tvnsp] Patches

Patches are $6.95 if I order 100 of them. Please send email letting
me know who would like some and how many.

Paul

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1754. Re: [tvnsp] 2002 Launch Season

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-18 15:03:57 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1726 Message: 1754

Both packages are less than a pound each. Add a hefty battery
and we might be talking about 3 pounds total. That's doable. I'd
recommend we fly the ATV in place of the camcorder in a later
flight. I'd like to use the camcorder on the next flight (with Jeff's
consent) because I hope to use a 3000 gram balloon. I don't think
anyone has video above 100,000 feet which is what we should be
able to get. I also hope that Jeff and I can design a rotating mirror
for his camcorder.

Paul

> Paul,
>
> The transmitter without batteries weighs 340 grams. The amplifier that
> turns 5 watts into 15 weights 430 grams. More watts gets us more range,
> but less time, so we might not need the range. Then again, with a
> sub-optimal omni-directional antenna on the balloon we may need all the
> help we can get. If we can really get into the repeater there's no need to
> run much power.
>
> My receiving array is fairly portable, and broadbanded too, so we might use
> it if we can't get into the repeater. We might want to use it
> anyway. With the repeater, there would be omni-directional antennas
> without much gain on both ends. At least with a beam array and a receive
> preamp on one end you might see a better picture than off the
> repeater. The repeater can only transmit as good as it gets, so if the
> incoming signal is marginal, ...
>
> I don't know how 340 grams plus battery fits in with your payload, but its
> something to think about.
>
> Tony
>
> At 07:37 AM 1/17/02 -0700, you wrote:
> > > So when you say "ATV" do you mean Amateur Television? Are you going to
> > > transmit live video from the balloon? What are you using for batteries
> > and
> > > how long do you expect the transmission to last? With the wider bandwidth
> > > of a TV signal, all the TV transmitters I'm familiar with really drink the
> > > juice. Are you running slow scan TV?
> >
> >Yep, amateur TV. I've sent it a few times back in Kansas. The
> >one watt TX I have runs an entire flight. however, the video quality
> >drops pretty fast. Your ATV TX is much more powerfult hat what I
> >have. Can you weigh it and its batteries?

> >
> >I've also run slow scan. I used the VC-H1 visual communicator and
> >had reception from over 100 miles.
> >
> >I'll post the frequency we need to transmit on. Twin has an ATV
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> >Paul
> >
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1755. Re: [tvnsp] 2002 Launch Season

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-18 15:09:46 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1726 Message: 1755

I have some big nicads at home, let me check tham out.

Paul

> I've got some 4 amp hour lead-acid gel cells that weigh over a
> kilogram. My catalog says 1.74 kg (3.84 lbs.) Even my 1.9 amp hour gel
> cell weighs over 500 grams. And at a 3/4 amp discharge rate (5 watts),
> even a 4 amp hour cell is only good for about 3 hours according to the load
> lines in my catalog.
>
> We can get 4.4 amp hours of nicads for about 1.4 Kg. Not a huge
> improvement. NiMH would be just under 1 Kg, and I'm not sure they can
> supply that much current - even with the amp hour rating. They tend to sag
> under load big time. We're talking some big bucks too ($85) unless someone
> can find a good deal on a couple of NiMH camcorder batteries.
>
> Hmm ... I found some NiMH cells rated for discharge at up to 10C. Maybe
> these wouldn't sag. $95, 3 AH, 13.2 volts, 605 grams, plus we'd need a
> special charger. These cells would get us 4 hours theoretically. I'm not
> sure how they do at lower temps.
>
> Anyone have a catalog on Lithium ion batteries? Even bigger bucks I'll bet.
>
> At -20 degrees C the battery capacity for lead acid gel cells is only 50%,
> so if the battery gets cold at altitude, we may only get an hour of
> transmit time.
>
> Seems like a lot of weight and dollars to see it now instead of waiting for
> the tape. Are there good reasons to see it live?
>
> Tony
>
> At 07:37 AM 1/17/02 -0700, you wrote:
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> >I'll post the frequency we need to transmit on. Twin has an ATV
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> >Paul
> >
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http://www.classmates.com/index.tf?s=5085>17b2983.jpg
> >17b2afc.jpg
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>

1756. Re: [tvnsp] 2002 Launch Season

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-18 15:51:28 UTC
From: Tony Barrett
Topic: 1726 Message: 1756
Attachments: 2 described; binary payloads are missing from this source WARC

Sure, I'll try to remember. Not this weekend but the Sunday after that,
the 27th, right?

At 07:57 AM 1/18/02 -0700, you wrote:
>Can you bring it to the next meeting? I'll bring my ATV stuff also.
>
>Paul
> > Hello Paul,
> >
> > I don't really have a very good way of weighing my transmitter. I'll see
> > if I can figure something out. Batteries are external, so its what ever
> > you want to connect that will deliver 12 volts at 1/2 to 3/4 of an amp.
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> > I'm familiar with the ATV repeater on Mount Harrison above Twin Falls. My
> > friend Lee Kelly keeps it running. I went to the hill with him last
> > July. As I recall, that repeater takes a UHF signal in and transmits back
> > out on a much higher frequency like 900 MHz or 1.2 GHz. At least my
> > transmitter is in the right band to use their repeater. Do you know the
> > input frequency of the ATV repeater? Guess I should ask Lee.
> >
> > Looks like more mail from you to read.
> >
> > Tony
> >
> > At 07:37 AM 1/17/02 -0700, you wrote:
> > > > So when you say "ATV" do you mean Amateur Television? Are you going to
> > > > transmit live video from the balloon? What are you using for
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> > > and
> > > > how long do you expect the transmission to last? With the wider
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> > > > juice. Are you running slow scan TV?
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> > >Yep, amateur TV. I've sent it a few times back in Kansas. The
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> > >drops pretty fast. Your ATV TX is much more powerfult hat what I
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> > >
> > >I've also run slow scan. I used the VC-H1 visual communicator and
> > >had reception from over 100 miles.
> > >
> > >I'll post the frequency we need to transmit on. Twin has an ATV

> > >repeater, so we want to be close to them when we launch.
> > >
> > >Paul
> > >
> > >Yahoo! Groups Sponsor
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> > ><<http://rd.yahoo.com/M=213858.1791435.3314591.1261774/D=egroupweb/S=17
> 05083281:HM/A=763352/R=0/*http://www.classmates.com/index.tf?s=5085>http://rd.yahoo.com/
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> > >11e21b.jpg
> > >
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><http://rd.yahoo.com/M=213858.1791435.3314591.1261774/D=egroupweb/S=1705083281:HM/A=76335
2/R=0/*http://www.classmates.com/index.tf?s=5085>35f45b0.jpg
>35f47ca.jpg
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1757. Re: [tvnsp] 2002 Launch Season

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-18 15:55:24 UTC
From: Tony Barrett
Topic: 1726 Message: 1757
Attachments: 2 described; binary payloads are missing from this source WARC

How cold do you think the batteries will get during the flight? Should we
do some chamber experiments or put the batteries in a freezer for some
characterization tests?

At 08:09 AM 1/18/02 -0700, you wrote:
>I have some big nicads at home, let me check tham out.
>
>Paul
>
>
> > I've got some 4 amp hour lead-acid gel cells that weigh over a
> > kilogram. My catalog says 1.74 kg (3.84 lbs.) Even my 1.9 amp hour gel
> > cell weighs over 500 grams. And at a 3/4 amp discharge rate (5 watts),
> > even a 4 amp hour cell is only good for about 3 hours according to the
> load
> > lines in my catalog.
> >
> > We can get 4.4 amp hours of nicads for about 1.4 Kg. Not a huge
> > improvement. NiMH would be just under 1 Kg, and I'm not sure they can
> > supply that much current - even with the amp hour rating. They tend to
> sag
> > under load big time. We're talking some big bucks too ($85) unless
> someone
> > can find a good deal on a couple of NiMH camcorder batteries.
> >
> > Hmm ... I found some NiMH cells rated for discharge at up to 10C. Maybe
> > these wouldn't sag. $95, 3 AH, 13.2 volts, 605 grams, plus we'd need a
> > special charger. These cells would get us 4 hours theoretically. I'm not
> > sure how they do at lower temps.
> >
> > Anyone have a catalog on Lithium ion batteries? Even bigger bucks I'll
> bet.
> >
> > At -20 degrees C the battery capacity for lead acid gel cells is only 50%,
> > so if the battery gets cold at altitude, we may only get an hour of
> > transmit time.
> >
> > Seems like a lot of weight and dollars to see it now instead of waiting
> for
> > the tape. Are there good reasons to see it live?
> >
> > Tony
> >
> > At 07:37 AM 1/17/02 -0700, you wrote:

> > > > So when you say "ATV" do you mean Amateur Television? Are you going to
> > > > transmit live video from the balloon? What are you using for
> batteries
> > > and
> > > > how long do you expect the transmission to last? With the wider
> bandwidth
> > > > of a TV signal, all the TV transmitters I'm familiar with really
> drink the
> > > > juice. Are you running slow scan TV?
> > >
> > >Yep, amateur TV. I've sent it a few times back in Kansas. The
> > >one watt TX I have runs an entire flight. however, the video quality
> > >drops pretty fast. Your ATV TX is much more powerfult hat what I
> > >have. Can you weigh it and its batteries?
> > >
> > >I've also run slow scan. I used the VC-H1 visual communicator and
> > >had reception from over 100 miles.
> > >
> > >I'll post the frequency we need to transmit on. Twin has an ATV
> > >repeater, so we want to be close to them when we launch.
> > >
> > >Paul
> > >
> > >Yahoo! Groups Sponsor
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> 05083281:HM/A=763352/R=0/*>http://rd.yahoo.com/M=213858.1791435.3314591.1261774/D=egroup
web/S=1705083281:HM/A=763352/R=0/*
>http://www.classmates.com/index.tf?s=5085>17b2983.jpg
> > >17b2afc.jpg
> > >
> > >To unsubscribe from this group, send an email to:
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> > >
> > >
> > >
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4/R=0/*http://www.gotomypc.com/u/tr/yh/grp/300_06/g22lp?Target=mm/g22lp.tmpl>362e3f0.jpg
>362e579.jpg
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1758. Re: [tvnsp] 2002 Launch Season

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-18 18:41:27 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1726 Message: 1758

> Sure, I'll try to remember. Not this weekend but the Sunday after that,
> the 27th, right?

That's correct.

Paul

1759. Re: [tvnsp] 2002 Launch Season

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-18 18:42:39 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1726 Message: 1759

It can drop to 32 F during the flight. We'll put the batteries into a
foam box for moe insulation, or park them next to the TX for
additional heat.

Paul

> How cold do you think the batteries will get during the flight? Should we
> do some chamber experiments or put the batteries in a freezer for some
> characterization tests?
>
> At 08:09 AM 1/18/02 -0700, you wrote:
> >I have some big nicads at home, let me check tham out.
> >
> >Paul
> >
> >
> > > I've got some 4 amp hour lead-acid gel cells that weigh over a
> > > kilogram. My catalog says 1.74 kg (3.84 lbs.) Even my 1.9 amp hour gel
> > > cell weighs over 500 grams. And at a 3/4 amp discharge rate (5 watts),
> > > even a 4 amp hour cell is only good for about 3 hours according to the
> > load
> > > lines in my catalog.
> > >
> > > We can get 4.4 amp hours of nicads for about 1.4 Kg. Not a huge
> > > improvement. NiMH would be just under 1 Kg, and I'm not sure they can
> > > supply that much current - even with the amp hour rating. They tend to
> > sag
> > > under load big time. We're talking some big bucks too ($85) unless
> > someone
> > > can find a good deal on a couple of NiMH camcorder batteries.
> > >
> > > Hmm ... I found some NiMH cells rated for discharge at up to 10C. Maybe
> > > these wouldn't sag. $95, 3 AH, 13.2 volts, 605 grams, plus we'd need a
> > > special charger. These cells would get us 4 hours theoretically. I'm not
> > > sure how they do at lower temps.
> > >
> > > Anyone have a catalog on Lithium ion batteries? Even bigger bucks I'll
> > bet.
> > >
> > > At -20 degrees C the battery capacity for lead acid gel cells is only 50%,
> > > so if the battery gets cold at altitude, we may only get an hour of
> > > transmit time.
> > >
> > > Seems like a lot of weight and dollars to see it now instead of waiting
> > for

> > > the tape. Are there good reasons to see it live?
> > >
> > > Tony
> > >
> > > At 07:37 AM 1/17/02 -0700, you wrote:
> > > > > So when you say "ATV" do you mean Amateur Television? Are you going to
> > > > > transmit live video from the balloon? What are you using for
> > batteries
> > > > > and
> > > > > how long do you expect the transmission to last? With the wider
> > bandwidth
> > > > > of a TV signal, all the TV transmitters I'm familiar with really
> > drink the
> > > > > juice. Are you running slow scan TV?
> > > >
> > > >Yep, amateur TV. I've sent it a few times back in Kansas. The
> > > >one watt TX I have runs an entire flight. however, the video quality
> > > >drops pretty fast. Your ATV TX is much more powerfult hat what I
> > > >have. Can you weigh it and its batteries?
> > > >
> > > >I've also run slow scan. I used the VC-H1 visual communicator and
> > > >had reception from over 100 miles.
> > > >
> > > >I'll post the frequency we need to transmit on. Twin has an ATV
> > > >repeater, so we want to be close to them when we launch.
> > > >
> > > >Paul
> > > >
> > > >Yahoo! Groups Sponsor
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> > 05083281:HM/A=763352/R=0/*>http://rd.yahoo.com/M=213858.1791435.3314591.1261774/D=egro
upweb/S=1
705083281:HM/A=763352/R=0/*
> >http://www.classmates.com/index.tf?s=5085>17b2983.jpg
> > > >17b2afc.jpg
> > > >
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1760. Patches

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-18 19:03:47 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1741 Message: 1760

The patches will be here on Jan 30th. The total cost will be $7.30 with tax.

I've ordered 100 of them, so please purchase lots of them. I would like to try selling remaining patches to radio hams for $10, with the profits to go into our account with VOI. If we're lucky, we may make $100 for our next launch. Anyone purchasing a patch who also attends a launch can have their patch loaded onboard a capsule.

For the first launch, I'd like to send the camcorder to 100,000 feet along with the digital camera I just picked up. I'd like to have a mirror in front of the camcorder and the digital mounted to a servo.

I'm working on a cutdown for test. It will use the stopwatch and CC/PS. There will be a third method for singaling, perhaps DTMF. The DTMF will be a part of the back up beacon. I'll also add the audio beacon to the cutdown, and get it 10 feet away from the camcorder and above the chute. That ought to knock down that beep-beep we get on the video tape.

I'd also like to try the pager again, but this time go with a different service provider. The provider must have total Idaho converage.

Paul

1761. RE: [tvnsp] Patches

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-18 22:10:08 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 1741 Message: 1761

I think this last sentence is going to be hard to meet.

Bill B.

> -----Original Message-----
> I'd also like to try the pager again, but this time go with a
> different
> service provider. The provider must have total Idaho converage.
>
> Paul

1762. RE: [tvnsp] Patches

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-19 01:37:50 UTC
From: Tony Barrett
Topic: 1741 Message: 1762
Attachments: 2 described; binary payloads are missing from this source WARC

How about those satellite pagers? Do they transmit direct from the satellite, or do they just use satellites to connect to a nationwide terrestrial network? Anyway, I think there are paging services that advertise nationwide coverage.

At 05:10 PM 1/18/02 -0500, you wrote:
>I think this last sentence is going to be hard to meet.
>
>Bill B.
>
> > -----Original Message-----
> > I'd also like to try the pager again, but this time go with a
> > different
> > service provider. The provider must have total Idaho converage.
> >
> > Paul
>
>Yahoo! Groups Sponsor
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2/R=0/*http://www.classmates.com/index.tf?s=5085>1264be.jpg
>126786.jpg
>
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1763. Pic of the Patches

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-19 02:26:29 UTC
From: Mike Garske
Topic: 1763 Message: 1763
Attachments: 1 described; binary payloads are missing from this source WARC

Heres a picture of the patches Hank. Hope its clear and not too big a file!

Mike KC7DPD
----- Original Message -----
From: <verhap@...>
To: <tvnsp@yahoogroups.com>
Sent: Friday, January 18, 2002 7:47 AM
Subject: Re: [tvnsp] Re: Patches

> Can someone scan a t-shirt for Hank? The patch is the TVNSP
> logo on our t-shirts.
>
> Paul
>
> > > Patches are $6.95 if I order 100 of them.
> >
> > Paul,
> >
> > I may be asking what others are also thinking that don't
> > get to any of your local meetings. Can you put a photo
> > or sketch of the design on the web somewhere?
> >
> > Maybe you're just asking to get a general idea of demand
> > and the design hasn't even been established yet.
> >
> > Sorry if I'm out in left field on this.
> >
> > Hank
> >
> >
> >
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> >
> >
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>

1764. Re: [tvnsp] Patches

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-19 08:10:00 UTC
From: Jeff Melanson
Topic: 1741 Message: 1764

verhap@... wrote:
>
> For the first launch, I'd like to send the camcorder to 100,000 feet
> along with the digital camera I just picked up. I'd like to have a
> mirror in front of the camcorder and the digital mounted to a servo.
>

Problem...

My capsule weight is at the six pound limit as is. The addition of a mirror mechanism would put it over the limit. Are we planning on a waiver? We would need two proven cutdown devices and a radar reflector.

I would also like to see the new launch prediction procedures. Have they been worked out yet?

Jeff
KD7INN

1765. Re: [tvnsp] Patches

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-19 15:52:33 UTC
From: Randy Farley
Topic: 1741 Message: 1765

I will take 2 for now.

verhap@... wrote:
>
> Patches are $6.95 if I order 100 of them. Please send email letting
> me know who would like some and how many.
>
> Paul
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

--
Regards,
Randy Farley
N7GPS -Ham Call-
My Home at: http://map.findu.com/n7gps
Find Me Mobile at: http://map.findu.com/n7gps-9
MY Local weather at:
http://www.findu.com/cgi-bin/find.cgi?call=n7gps&radar=CBX
(scroll to bottom of page)

1766. 2 Watt, 56 Gram TV Transmitter

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-19 20:04:04 UTC
From: Tony Barrett
Topic: 1766 Message: 1766

Check out the new 2 watt ATV Transmitter kit (ATV12-440 MK2) at www.northcountryradio.com. The specs say it only weighs 56 grams, though that may be without a case. I'll bet we need some kind of case for shielding. It draws about half an amp at 12 volts.

Their half watt transmitter kit with no audio sells for $62. Another half to one watt kit with audio is $82. Might be kind of nice to be able to hear the audio off the balloon live throughout the flight.

I've built a couple of their kits. Not a bad value. I don't see the 5 watt unit in the catalog anymore, though they still offer a power amplifier rated at 12 watts.

They also sell tiny little video cameras (not kits), some with CCDs pickup / lens units than can be remotely mounted, though these can get a little spendy ($235 for color). See photos at http://www.northcountryradio.com/ppccam.htm. Looks like these only draw a couple hundred mils.

73,

Tony

1767. Re: [tvnsp] Patches

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-19 22:09:42 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1741 Message: 1767

> > For the first launch, I'd like to send the camcorder to 100,000 feet
> > along with the digital camera I just picked up. I'd like to have a
> > mirror in front of the camcorder and the digital mounted to a servo.
> >
>
> Problem...
>
> My capsule weight is at the six pound limit as is. The addition of a
> mirror mechanism would put it over the limit. Are we planning on a
> waiver? We would need two proven cutdown devices and a radar reflector.

We only need a wavier if we want to launch more than 12 pounds
without the cutdowns and radar reflector. If we launch with them,
then no wavier is required.

The reflector is easy. I'm working on the cutdown with multiple-
redunant thermal knives. I should have the DTMF decoder together
and tested this weekend. The flight computer and stopwatch will
be two other mechanisms. We just need to find a second way to
send telecommands. Since there will be two seperate radios, I
may just get another DTMF decoder and integrate that into the
flight computer.

> I would also like to see the new launch prediction procedures. Have they
> been worked out yet?

John the Elder wrote a first draft. John, can you share that with the
group? I think we can finish it over email.

Paul

1768. Re: [tvnsp] Patches

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-19 20:33:11 UTC
From: Rick Widmer
Topic: 1741 Message: 1768

Tony Barrett wrote:
>
> How about those satellite pagers? Do they transmit direct from the
> satellite, or do they just use satellites to connect to a nationwide
> terrestrial network? Anyway, I think there are paging services that
> advertise nationwide coverage.

The latter I'm afraid. For example:

http://www.baystar.com/range.html

http://www.skytel.com/products/1maps/coverage.cgi?id=MCI&zone=234

Rick

1769. Re: [tvnsp] 2 Watt, 56 Gram TV Transmitter

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-19 22:29:47 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1766 Message: 1769

I've got an entire ATV setup. It's the 1 watt ATV TX by PC
Electronics. I've also got a mini-wheel antenna and the CCD
camera. The camera is mounted to a robotic arm, so we can have
a look around.

Paul

> Check out the new 2 watt ATV Transmitter kit (ATV12-440 MK2) at
> www.northcountryradio.com. The specs say it only weighs 56 grams, though
> that may be without a case. I'll bet we need some kind of case for
> shielding. It draws about half an amp at 12 volts.
>
> Their half watt transmitter kit with no audio sells for $62. Another half
> to one watt kit with audio is $82. Might be kind of nice to be able to
> hear the audio off the balloon live throughout the flight.
>
> I've built a couple of their kits. Not a bad value. I don't see the 5
> watt unit in the catalog anymore, though they still offer a power amplifier
> rated at 12 watts.
>
> They also sell tiny little video cameras (not kits), some with CCDs pickup
> / lens units than can be remotely mounted, though these can get a little
> spendy ($235 for color). See photos at
> http://www.northcountryradio.com/ppccam.htm. Looks like these only draw a
> couple hundred mils.
>
> 73,
>
> Tony
>
>
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1770. Re: [tvnsp] Patches

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-19 20:49:26 UTC
From: Rick Widmer
Topic: 1741 Message: 1770

Jeff Melanson wrote:

> Problem...
>
> We would need two proven cutdown devices and a radar reflector.

According to EOSS' "Excerpts from U.S. Federal Aviation Regulations (FAR) Part 101 related to unmanned free balloons" web page, at:

http://www.eoss.org/pubs/far_annotated.htm

"A latex balloon which will burst at altitude is considered to be its own independent cutdown device. The second device should be a radio-commandable cutter. Plastic balloons must have a commandable primary cutdown and an independent timer-based backup."

That takes care of one cutdown device. I suggest the second be a combination of a timer and a way to send commands up on the APRS link. I believe you aren't doing anything with receive audio from the transciever in the tracker, so how about adding a DTMF decoder that listens for a specific sequence of tones to trigger the cutdown.

Rick

1771. Re: [tvnsp] Patches

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-19 22:42:07 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1741 Message: 1771

We got it!!!!!

Paul

> > Problem...
> >
> > We would need two proven cutdown devices and a radar reflector.
>
> According to EOSS' "Excerpts from U.S. Federal Aviation Regulations
> (FAR) Part 101 related to unmanned free balloons" web page, at:
>
> http://www.eoss.org/pubs/far_annotated.htm
>
> "A latex balloon which will burst at altitude is considered to be its
> own independent cutdown device. The second device should be a
> radio-commandable cutter. Plastic balloons must have a commandable
> primary cutdown and an independent timer-based backup."
>
> That takes care of one cutdown device. I suggest the second be a
> combination of a timer and a way to send commands up on the APRS link.
> I believe you aren't doing anything with receive audio from the
> transciever in the tracker, so how about adding a DTMF decoder that
> listens for a specific sequence of tones to trigger the cutdown.
>
>
> Rick
>
>
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>
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>

1772. TVNSP Patches

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-19 22:46:00 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1772 Message: 1772

so far 16 patches have been spoken for. I'll take 10 myself, so I still have to get rid of 3/4 of them. As this is costing me $730 , I'm really interested in getting rid of at least 3/4 of them. If you know someone whou might like one, please let them know.

I believe they'd make a great Christmas, birthday, and wedding gift!!!!

Seriously though, any help would be appreciated. Remember, any patches sold will be sent into near space if the purchaser would like.

Paul

1773. Re: [tvnsp] TVNSP Patches

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-19 23:01:40 UTC
From: Mike Garske
Topic: 1772 Message: 1773

I'll take at least 5 patches, Paul!

Mike KC7DPD
----- Original Message -----
From: <verhap@...>
To: <tvnsp@yahoogroups.com>
Sent: Saturday, January 19, 2002 3:46 PM
Subject: [tvnsp] TVNSP Patches

> so far 16 patches have been spoken for. I'll take 10 myself, so I
> still have to get rid of 3/4 of them. As this is costing me $730 , I'm
> really interested in getting rid of at least 3/4 of them. If you know
> someone whou might like one, please let them know.
>
> I believe they'd make a great Christmas, birthday, and wedding
> gift!!!!
>
> Seriously though, any help would be appreciated. Remember, any
> patches sold will be sent into near space if the purchaser would
> like.
>
> Paul
>
>
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
>
>

1774. Cutdown devices

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-20 04:38:27 UTC
From: Jeff Melanson
Topic: 1774 Message: 1774

This appears to be an EOSS interpretation. Is that the case? I don't see
that statement written as part of the regulations or I have completely
missed it.

Jeff
KD7INN

Rick Widmer wrote:
>
> Jeff Melanson wrote:
>
> > Problem...
> >
> > We would need two proven cutdown devices and a radar reflector.
>
> According to EOSS' "Excerpts from U.S. Federal Aviation Regulations
> (FAR) Part 101 related to unmanned free balloons" web page, at:
>
> http://www.eoss.org/pubs/far_annotated.htm
>
> "A latex balloon which will burst at altitude is considered to be its
> own independent cutdown device. The second device should be a
> radio-commandable cutter. Plastic balloons must have a commandable
> primary cutdown and an independent timer-based backup."
>
> That takes care of one cutdown device. I suggest the second be a
> combination of a timer and a way to send commands up on the APRS link.
> I believe you aren't doing anything with receive audio from the
> transciever in the tracker, so how about adding a DTMF decoder that
> listens for a specific sequence of tones to trigger the cutdown.
>
> Rick
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

1775. 2002 Season

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-19 23:19:21 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1775 Message: 1775

Astronomy Day is 20 April. I've contacted DCI about doing a launch with them. I'll let you know what they say.

The Idaho Star Party is Sept 6-8. We may do a launch with them and Bruneau Dunes S.P. I'll let you know what they say.

Paul

1776. Re: [tvnsp] TVNSP Patches

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-20 15:50:07 UTC
From: Randy Farley
Topic: 1772 Message: 1776

Looks like we need to provide a donation pot with patch displays at all
of our different functions. I will promote at our club meetings.

Might sell better if they have actually been to "Near Space". Expose
some to meteor dust and they might bring double :) Sign me up for 2 more
Paul. (4 total).

verhap@... wrote:
>
> so far 16 patches have been spoken for. I'll take 10 myself, so I
> still have to get rid of 3/4 of them. As this is costing me $730 , I'm
> really interested in getting rid of at least 3/4 of them. If you know
> someone whou might like one, please let them know.
>
> I believe they'd make a great Christmas, birthday, and wedding
> gift!!!!
>
> Seriously though, any help would be appreciated. Remember, any
> patches sold will be sent into near space if the purchaser would
> like.
>
> Paul
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

--
Regards,
Randy Farley
N7GPS -Ham Call-
My Home at: http://map.findu.com/n7gps
Find Me Mobile at: http://map.findu.com/n7gps-9
MY Local weather at:
http://www.findu.com/cgi-bin/find.cgi?call=n7gps&radar=CBX
(scroll to bottom of page)

1777. Cutdown requirement interpretations

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-20 18:30:30 UTC
From: Hank Riley
Topic: 1652 Message: 1777

Rick W. wrote earlier:

RW> According to EOSS' "Excerpts from U.S. Federal Aviation
RW> Regulations (FAR) Part 101 related to unmanned free
RW> balloons" web page, at:

RW> http://www.eoss.org/pubs/far_annotated.htm

RW> "A latex balloon which will burst at altitude is considered
RW> should be a radio-commandable cutter. Plastic balloons must
RW> have a commandable primary cutdown and an independent
RW> timer-based backup."

Jeff M. then asked:

JM> This appears to be an EOSS interpretation. Is that the case?
JM> I don't see that statement written as part of the regulations
JM> or I have completely missed it.

Hank R. then said:

The key word here is "annotated." Yes, Jeff, the text quoted
by Rick Widmer above is indeed entirely *commentary* by EOSS.
I think it is actually Rick von Glahn writing.

Hank

_____
Do You Yahoo!?
Send FREE video emails in Yahoo! Mail!
http://promo.yahoo.com/videomail/

1778. suggestions for email list posting

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-20 18:48:13 UTC
From: Hank Riley
Topic: 1778 Message: 1778

I guess this could be a voice in the wilderness, or
a blast from the past in the days before web browsers,
but there are a couple of easy things all list posters
can do that make for a better list (any list -- not just
this one):

1. Make your lines shorter than normal email so that
lines will not wrap strangely and break unevenly and
erratically. Following this practice is especially
rewarding when it comes time for someone to quote your
post which sometimes adds these things >. To me there's
nothing worse than seeing totally fragmented email
messages. This is what I mean as a made up example:

Where is the
next TVNSP
meeting
going to be? Is Paul planning on bringing any sample
patches

with him that day?

Keeping your line length short will eliminate that
kind of thing *completely.* Wouldn't that be nice.

2. Renaming the subject line if the subject has changed
substantially. In the case of the "Patches" thread, several
distinct totally unrelated topics have been discussed under
that heading. Jeff did a good thing when he renamed one of
the topics "Cutdown devices."

This practice helps especially the folks who are replying
to posts and want to review a thread, but it makes for
easier reading for everyone.

Hank

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http://promo.yahoo.com/videomail/

1779. Re: Pic of the Patches

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-20 18:57:35 UTC
From: n1ltv
Topic: 1763 Message: 1779

> Heres a picture of the patches Hank. Hope its clear and
> not too big a file!
>
> Mike KC7DPD

Mike,

Thanks, very well done picture or scan. If there
is no readily available pure graphic of this design,
I'll try to clean up this image because it would almost
certainly help to sell patches if the logo could be viewed
on the web at TVNSP and/or elsewhere.

Hank

1780. Re: [tvnsp] Cutdown requirement interpretations

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-20 20:48:39 UTC
From: Rick Widmer
Topic: 1652 Message: 1780

> Hank R. then said:
>
> The key word here is "annotated." Yes, Jeff, the text quoted
> by Rick Widmer above is indeed entirely *commentary* by EOSS.
> I think it is actually Rick von Glahn writing.

According to the web page:

"Prepared and footnoted by Mike Manes, W5VSI, for Edge of Space
Sciences"

I have emailed Mr. Manes asking about his source for this information.
After looking thru their web site, [1] and the projects they are working
with NASA on (Mars Microballoon [2] and GAINS [3]) I have a feeling the
information is correct. I hope to have more details soon.

Rick

{1] http://www.eoss.org/

[2] http://www.pioneerastro.com/Mmb/mmb.html
http://www.eoss.org/ansrecap/recap50.htm

[3] http://www-frd.fsl.noaa.gov/mab/mabhp/gains_balloon_project.htm
http://www.eoss.org/gains/gains_balloon_test.htm <-- B I G
Balloon

1781. Re: [tvnsp] Cutdown requirement interpretations

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-21 02:12:14 UTC
From: Hank Riley
Topic: 1652 Message: 1781

HR>> The key word here is "annotated." Yes, Jeff, the text quoted
HR>> by Rick Widmer above is indeed entirely *commentary* by EOSS.
HR>> I think it is actually Rick von Glahn writing.

RW> According to the web page:

RW> "Prepared and footnoted by Mike Manes, W5VSI, for Edge of
RW> Space Sciences"

Okay, nice to get that straight. Too bad instead of hastily scrolling down, I didn't scroll up for the attribution. The small cutdown part I read really sounded like Rick v G., not just because he's the EOSS webmaster.

Trivia factoid: You'll see a reference in the notes to the term "tally-ho." This is a favorite Manes expression and is an absolute dead giveaway to the notes' authorship. (It's military pilot lingo -- I had to ask him once what it was about.) I think it's used by EOSS to mean the first sighting of the about-to-land or already landed payload.

RW> I have a feeling the information is correct. I hope to
RW> have more details soon.

I didn't mean to imply that I doubted the basic accuracy of the FAR notes by EOSS, but just wanted to chime in that they were external to the FAR itself. I guess by "information," Rick, you mean the notes. The strict FAR text is a most recent late 2001 version according to Mike, so that should be fine.

Mike is a former Navy pilot and is very savvy in the area of aviation regs and procedures (he's recently posted on the balloon no-fly zones after 9/11), and is very knowledgeable on just about anything balloon related, period. He's been head of the EOSS tech committee for quite a while, and now serves as EOSS president too.

Paul and I both have known him for years, and Paul recently met many of the EOSS group including, I'm pretty sure, Mike himself.

That FAR with notes is pretty new to the EOSS website. I'm going to be reading it myself since the FAR, as well as many other sections of the CFR, can be somewhat ambiguous and downright contradictory in places (like the FCC regs we know and love).

Hank

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http://promo.yahoo.com/videomail/

1782. Re: [tvnsp] suggestions for email list posting

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-21 02:17:40 UTC
From: Jeff Melanson
Topic: 1778 Message: 1782

Hank,

These are good suggestions. How do you normally make
your lines shorter? Do you use the return key instead
of letting it wrap around or does your email program
take care of it for you? I use Netscape Navigator. It
might have some way of limiting the line length but I
don't know how it's done. For this paragraph I used the
return key. I usually let it wrap around because it's
easier to type without having to watch the line length.
Perhaps there's a better email program. At this point if
I go back to add a sentence in the middle of the paragraph
it messes up the line lengths. Suggestions?

Jeff
KD7INN

Hank Riley wrote:
>
> I guess this could be a voice in the wilderness, or
> a blast from the past in the days before web browsers,
> but there are a couple of easy things all list posters
> can do that make for a better list (any list -- not just
> this one):
>
> 1. Make your lines shorter than normal email so that
> lines will not wrap strangely and break unevenly and
> erratically. Following this practice is especially
> rewarding when it comes time for someone to quote your
> post which sometimes adds these things >. To me there's
> nothing worse than seeing totally fragmented email
> messages. This is what I mean as a made up example:
>
> Where is the
> next TVNSP
> meeting
> going to be? Is Paul planning on bringing any sample
> patches
>
> with him that day?
>
> Keeping your line length short will eliminate that
> kind of thing *completely.* Wouldn't that be nice.
>
> 2. Renaming the subject line if the subject has changed
> substantially. In the case of the "Patches" thread, several

> distinct totally unrelated topics have been discussed under
> that heading. Jeff did a good thing when he renamed one of
> the topics "Cutdown devices."
>
> This practice helps especially the folks who are replying
> to posts and want to review a thread, but it makes for
> easier reading for everyone.
>
> Hank
>
> ~~~~~~
> Do You Yahoo!?
> Send FREE video emails in Yahoo! Mail!
> http://promo.yahoo.com/videomail/
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

1783. Re: [tvnsp] suggestions for email list posting - Netscape settings

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-21 01:05:38 UTC
From: Rick Widmer
Topic: 1783 Message: 1783

Jeff Melanson wrote:
>
> Hank,
>
> These are good suggestions. How do you normally make
> your lines shorter? Do you use the return key instead
> of letting it wrap around or does your email program
> take care of it for you?

YES! Sorry I did not change the subject before.

> I use Netscape Navigator. It might have some way of limiting
> the line length but I don't know how it's done.

Edit -> Preferences.

Select Messages.

Under Message Wrapping set a value in Wrap outgoing, plain
text messages at XX characters.

1784. tally-ho!

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-21 01:34:06 UTC
From: Rick Widmer
Topic: 1784 Message: 1784

Hank Riley wrote:
> Trivia factoid: You'll see a reference in the notes to the
> term "tally-ho." This is a favorite Manes expression
> and is an absolute dead giveaway to the notes' authorship.
> (It's military pilot lingo -- I had to ask him once what it
> was about.) I think it's used by EOSS to mean the first
> sighting of the about-to-land or already landed payload.

Military pilots may have picked it up, but it is MUCH
older...

It was first used by English fox hunters to signify the
sighting of a fox over 400 years ago.

http://www.inquiry.net/outdoor/autumn/tallyho.htm

1785. RE: [tvnsp] suggestions for email list posting - Outlook settings

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-22 03:30:30 UTC
From: K7JPS - John
Topic: 1783 Message: 1785

For Outlook 2000 users, The setting can be changed in
Tools -> Options -> Mail Format -> Settings ->
Automatically wrap at XX Characters when sending.

John Stone
-----Original Message-----
From: Rick Widmer [mailto:rwidmer@...]
Sent: Sunday, January 20, 2002 18:06
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] suggestions for email list posting - Netscape
settings

Jeff Melanson wrote:
>
> Hank,
>
> These are good suggestions. How do you normally make
> your lines shorter? Do you use the return key instead
> of letting it wrap around or does your email program
> take care of it for you?

YES! Sorry I did not change the subject before.

> I use Netscape Navigator. It might have some way of limiting
> the line length but I don't know how it's done.

Edit -> Preferences.

Select Messages.

Under Message Wrapping set a value in Wrap outgoing, plain
text messages at XX characters.

1786. Re: [tvnsp] Cutdown devices

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-21 19:56:20 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1774 Message: 1786

EOSS has worked with the FAA on these issues. FAR 101
appears to be written for poly balloons, not latex ones. The poly
balloons are not designed to burst and terminate their flights like
latex ones are.

Paul

> This appears to be an EOSS interpretation. Is that the case? I don't see
> that statement written as part of the regulations or I have completely
> missed it.
>
> Jeff
> KD7INN
>
> Rick Widmer wrote:
> >
> > Jeff Melanson wrote:
> >
> > > Problem...
> > >
> > > We would need two proven cutdown devices and a radar reflector.
> >
> > According to EOSS' "Excerpts from U.S. Federal Aviation Regulations
> > (FAR) Part 101 related to unmanned free balloons" web page, at:
> >
> > http://www.eoss.org/pubs/far_annotated.htm
> >
> > "A latex balloon which will burst at altitude is considered to be its
> > own independent cutdown device. The second device should be a
> > radio-commandable cutter. Plastic balloons must have a commandable
> > primary cutdown and an independent timer-based backup."
> >
> > That takes care of one cutdown device. I suggest the second be a
> > combination of a timer and a way to send commands up on the APRS link.
> > I believe you aren't doing anything with receive audio from the
> > transciever in the tracker, so how about adding a DTMF decoder that
> > listens for a specific sequence of tones to trigger the cutdown.
> >
> > Rick
> >
> >
> > To unsubscribe from this group, send an email to:
> > tvnsp-unsubscribe@egroups.com
> >
> >

> >
> > Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>

1787. Re: [tvnsp] TVNSP Patches

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-21 19:59:45 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1772 Message: 1787

We'll send the patches up.

Paul

> Looks like we need to provide a donation pot with patch displays at all
> of our different functions. I will promote at our club meetings.
>
> Might sell better if they have actually been to "Near Space". Expose
> some to meteor dust and they might bring double :) Sign me up for 2 more
> Paul. (4 total).
>
> verhap@... wrote:
> >
> > so far 16 patches have been spoken for. I'll take 10 myself, so I
> > still have to get rid of 3/4 of them. As this is costing me $730 , I'm
> > really interested in getting rid of at least 3/4 of them. If you know
> > someone whou might like one, please let them know.
> >
> > I believe they'd make a great Christmas, birthday, and wedding
> > gift!!!!
> >
> > Seriously though, any help would be appreciated. Remember, any
> > patches sold will be sent into near space if the purchaser would
> > like.
> >
> > Paul
> >
> > To unsubscribe from this group, send an email to:
> > tvnsp-unsubscribe@egroups.com
> >
> >
> >
> > Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
> --
> Regards,
> Randy Farley
> N7GPS -Ham Call-
> My Home at: http://map.findu.com/n7gps
> Find Me Mobile at: http://map.findu.com/n7gps-9
> MY Local weather at:
> http://www.findu.com/cgi-bin/find.cgi?call=n7gps&radar=CBX
> (scroll to bottom of page)
>
> To unsubscribe from this group, send an email to:

> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>

1788. Re: [tvnsp] Re: Pic of the Patches

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-21 20:01:41 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1763 Message: 1788

I'm getting a gif image of the patch design. The original t-shirt
company "couldn't" get me a copy of the artwork, so the patches
are being made by a new company that will provide the artwork.

Paul

> > Heres a picture of the patches Hank. Hope its clear and
> > not too big a file!
> >
> > Mike KC7DPD
>
> Mike,
>
> Thanks, very well done picture or scan. If there
> is no readily available pure graphic of this design,
> I'll try to clean up this image because it would almost
> certainly help to sell patches if the logo could be viewed
> on the web at TVNSP and/or elsewhere.
>
> Hank
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>

1789. [Fwd: [EOSS_LT] NASA balloon at south pole]

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-22 21:18:26 UTC
From: Rick Widmer
Topic: 1789 Message: 1789

This just hit the EOSS mailing list, and I thought the TVNSP people might be interested too...

Ralph, I hope this doesn't count for your time and distance records, it would be hard to beat.

-------- Original Message --------
Subject: [EOSS_LT] NASA balloon at south pole
Date: Tue, 22 Jan 2002 13:46:00 -0800 (PST)

Sorry for the non-EOSSness of this message, but this is too cool to not share:

In a message dated 1/22/02 9:07:52 AM Pacific Standard Time, NASANews@... writes:

Dolores Beasley
Headquarters, Washington Jan. 22, 2002
(Phone: 202/358-1753)

Betty Flowers
Wallops Flight Facility, Wallops Island, Va.
(Phone: 757/824-1584)

RELEASE: 02-13

NASA BALLOON MAKES RECORD-BREAKING FLIGHT

Larger than a football field and flying near the edge of space, a NASA scientific balloon has set a new flight record of almost 32 days after completing two orbits around the South Pole.

The record-breaking balloon carried the Trans-Iron Galactic Element Recorder (Tiger) experiment, designed to search for the origin of cosmic rays, atomic particles that travel through the galaxy at near light-speeds and shower the Earth constantly.

The pilotless, helium-filled scientific balloon was launched from McMurdo Station, Antarctica, at 6:30 a.m. EST on Dec. 20, 2001. The balloon traveled approximately 8,800 miles (about 1,400 kilometers) before landing about 31 days, 20 hours later at 3:03 a.m. EST, Jan. 21, 284 miles (458 kilometers) from the McMurdo Station. Payload recovery operations are in progress.

The previous endurance record for a long-duration balloon flight was set in January 2001 from McMurdo. The flight was one orbit of the South Pole that lasted 26 days. The Tiger mission was able to more than double the amount of continuous
science observational time over any previous balloon mission.

"We are excited with the duration of this flight, which allowed the scientists to get ample science to perform their studies," said Steve Smith, Chief of the Balloon Program Office at NASA Goddard Space Flight Center's Wallops Flight Facility, Wallops Island, Va. "We routinely have long-duration balloons that float for up to two weeks, but to have
one flight last for over 31 days is very rewarding."

Scientific balloons are made of thin polyethylene material, about the same thickness as ordinary sandwich wrap. An enormous balloon was needed to hoist the two-ton Tiger experiment to about 125,000 feet (38,100 meters). The Tiger balloon is taller than the Washington Monument, which stands just over 555 feet high. As the balloon rises, the gas it contains expands. The balloon used for this Antarctic flight expanded to a diameter of more than 424 feet (129 meters) and
weighed 3,687 pounds (1,674 kilograms).

To complete the flight, the experiment and its parachute float to the ground after being separated from the balloon by
radio command. Helium was released from the balloon for its descent near McMurdo station.

"The importance of Tiger is that it is the first experiment that has both sufficient collecting power and adequate resolution to measure abundances of all nuclei from iron through zirconium," said Tiger Principal Investigator Robert Binns, Washington University, St. Louis. "This will enable us
to determine whether the cosmic-ray source is hot or cold, gas or solid. We have already seen in our quick-look analysis
of flight data that Tiger's resolution is sufficient to resolve those nuclei."

Personnel from the National Scientific Balloon Facility, Palestine, Texas, who support approximately 25 NASA balloon flights annually from sites worldwide, conducted the launch, flight and recovery operations of the Tiger balloon mission. Antarctica ground and air operations support was provided by the National Science Foundation's Office of Polar Programs.

Tiger is a collaboration among Washington University; NASA's Goddard Space Flight Center, Greenbelt, Md.; California Institute of Technology, Pasadena; and the University of Minnesota, Minneapolis. The Wallops Flight Facility manages NASA's Scientific Balloon Program for the Office of Space Science, NASA Headquarters.

Information on NASA's Scientific Balloon Program is available
on the Internet at:

http://www.wff.nasa.gov/pages/scientificballoons.html
http://master.nsbf.nasa.gov/fred/index.html

A plot of the balloon's flight path can be viewed on the Internet at:

http://192.149.107.13/ice0102.htm

Pictures and information on the Tiger mission can be found at:

http://cosray2.wustl.edu/tiger/index.html

1790. Website

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-22 18:01:02 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 540 Message: 1790

Doug, are we ready to move the webpages over? I'll take care of the costs.

Paul

1791. test

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-22 20:40:17 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1546 Message: 1791

Am I getting out?

1792. RE: [tvnsp] test

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-22 23:36:10 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 1546 Message: 1792

yup

-----Original Message-----
From: verhap@... [mailto:verhap@...]
Sent: Tuesday, January 22, 2002 6:40 AM
To: tvnsp@yahoogroups.com
Subject: [tvnsp] test

Am I getting out?

Yahoo! Groups Sponsor
[]

<http://us.adserver.yahoo.com/l?M=153641.1824646.3335993.1261774/D=egroupmai
l/S=1705083281:HM/A=919242/rand=319072802>

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Your use of Yahoo! Groups is subject to the Yahoo! Terms of Service
<http://docs.yahoo.com/info/terms/> .

1793. Re: [tvnsp] tally-ho!

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-21 20:11:49 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1784 Message: 1793

> > Trivia factoid: You'll see a reference in the notes to the
> > term "tally-ho." This is a favorite Manes expression
> > and is an absolute dead giveaway to the notes' authorship.
> > (It's military pilot lingo -- I had to ask him once what it
> > was about.) I think it's used by EOSS to mean the first
> > sighting of the about-to-land or already landed payload.
>
> Military pilots may have picked it up, but it is MUCH
> older...
>
> It was first used by English fox hunters to signify the
> sighting of a fox over 400 years ago.

Pete Conrad, a navy astronaut used it when he spotted Skylab
back in 1972.

Paul

1794. 2002 Launches

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-21 20:37:35 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1794 Message: 1794

I'd like to schedule the March launch for Saturday the 30th. April's launch would be on the 20th, in support of Astronomy and Space Day.

Any suggestions for May?

June's should be inconjunction with the River Fest. The last day of my rafting trip is on the 19th. I should be home late on the 20th, a Saturday. Can the River Fest flight be on Sunday? If so, I'll be there.

I'll be Kansas for a launch on 6 July. Is anyone planning to be there?

August's flight will attempt to video tape meteors again. The perseid meteor shower is on the 11-12. I suppose we should launch on the night of the 10th, morning of the 11th.

September's flight is scheduled for ISP. That would put the launch on the 7th.

October's flight? Do we want a Novermber flight?

Justin, I'm working with a ham on the Kenwood VC-H1 SSTV. That's about the closest we have to APT. I think we should make one flight carry the SSTV. I'll put you in charge of that. Perhaps the September flight would be good for that. We'll set up a mission control at Bruneau Dunes for this flight. The SSTV will give the civies something neat to see. For this flight we'll also need a tracker at MC. The classroom at Bruneau has a projector, so I recommend we use that to display the map. We'll also need a radio for comms with chase and recovery. I think we'll also be required to give a presentation on Friday and Saturday. Saturday's presentation will be scheduled with the astronomy presentations at ISP.

Twin's ATV flight needs to be scheduled. Any preferences on which launch that should be? We'll launch outside of Twin and get a landing in a much better location.

Other news. I finished the backup beacon. Using Mark Conner's suggestion, I've used a tiny Trak II as the TNC. The back up has it's own GPS, radio, and antenna. It also includes a DTMF decoder to operate the Flight Termination Unit (FTU) mounted at the top of the parachute. The back up is mounted to the parachute ring along with the radar reflector. I still need to mount the aluminized mylar to the reflector.

I guess I should now make sure the CC/PS will work?!

Paul

1795. test

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-22 17:04:33 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1546 Message: 1795

I wasn't able to email yesterday, can I now?

Paul

1796. Re: [tvnsp] tally-ho!

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-22 23:33:21 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1784 Message: 1796

> > > Trivia factoid: You'll see a reference in the notes to the
> > > term "tally-ho." This is a favorite Manes expression
> > > and is an absolute dead giveaway to the notes' authorship.
> > > (It's military pilot lingo -- I had to ask him once what it
> > > was about.) I think it's used by EOSS to mean the first
> > > sighting of the about-to-land or already landed payload.
> >
> > Military pilots may have picked it up, but it is MUCH
> > older...
> >
> > It was first used by English fox hunters to signify the
> > sighting of a fox over 400 years ago.
>
> Pete Conrad, a navy astronaut used it when he spotted Skylab
> back in 1972.
>
> Paul
>

1797. Re: 2002 Launches

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-22 23:38:10 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1794 Message: 1797

> I'd like to schedule the March launch for Saturday the 30th. April's
> launch would be on the 20th, in support of Astronomy and Space
> Day.
>
> Any suggestions for May?
>
> June's should be inconjunction with the River Fest. The last day of
> my rafting trip is on the 19th. I should be home late on the 20th, a
> Saturday. Can the River Fest flight be on Sunday? If so, I'll be
> there.
>
> I'll be Kansas for a launch on 6 July. Is anyone planning to be
> there?
>
> August's flight will attempt to video tape meteors again. The
> perseid meteor shower is on the 11-12. I suppose we should
> launch on the night of the 10th, morning of the 11th.
>
> September's flight is scheduled for ISP. That would put the launch
> on the 7th.
>
> October's flight? Do we want a Novermber flight?
>
> Justin, I'm working with a ham on the Kenwood VC-H1 SSTV.
> That's about the closest we have to APT. I think we should make
> one flight carry the SSTV. I'll put you in charge of that. Perhaps
> the September flight would be good for that. We'll set up a mission
> control at Bruneau Dunes for this flight. The SSTV will give the
> civies something neat to see. For this flight we'll also need a
> tracker at MC. The classroom at Bruneau has a projector, so I
> recommend we use that to display the map. We'll also need a
> radio for comms with chase and recovery. I think we'll also be
> required to give a presentation on Friday and Saturday. Saturday's
> presentation will be scheduled with the astronomy presentations at
> ISP.
>
> Twin's ATV flight needs to be scheduled. Any preferences on
> which launch that should be? We'll launch outside of Twin and get
> a landing in a much better location.
>
> Other news. I finished the backup beacon. Using Mark Conner's
> suggestion, I've used a tiny Trak II as the TNC. The back up has
> it's own GPS, radio, and antenna. It also includes a DTMF
> decoder to operate the Flight Termination Unit (FTU) mounted at
> the top of the parachute. The back up is mounted to the parachute

> ring along with the radar reflector. I still need to mount the
> aluminized mylar to the reflector.
>
> I guess I should now make sure the CC/PS will work?!
>
> Paul
>

1798. (Fwd) Website

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-22 23:45:18 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1798 Message: 1798

```
------- Forwarded Message Follows -------
From: VERHAP@...
To: tvnsp@...
Date sent: Mon, 21 Jan 2002 13:53:59 -700
Subject: Website
Priority: normal

Doug, are we ready to move the webpages over? I'll take care of
the costs.

Paul
```

1799. Re: [tvnsp] Website

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-23 00:35:05 UTC
From: Doug Rich
Topic: 540 Message: 1799

I guess we can do it anytime. I need to create a page that will be the home page and then we can contact our host and tell them what we want. After they set it up we (I) would just copy everything over.

Doug

At 11:01 AM 1/22/02 -0700, you wrote:
>Doug, are we ready to move the webpages over? I'll take care of
>the costs.
>
>Paul
>
>
>To unsubscribe from this group, send an email to:
>tvnsp-unsubscribe@egroups.com
>
>
>
>Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

1800. Mall?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-23 01:20:35 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1800 Message: 1800

Would people like to set up a display at the Mall on the last Saturday in Feb? I'd like to set up a collection can and ask for donations for future flights. We could probably sell patches there.

I'll need someone to stop by the business office at the Mall and ask for the paperwork we need to fill out. I don't think they're open on weekends and that they close at 5:00, so I can't get there myself.

Paul

1801. Big weekend at the end of February

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-23 01:52:50 UTC
From: Mark Conner
Topic: 1801 Message: 1801

From reading the various lists, it appears we'll have four
launches on February 23rd - NSTAR, EOSS, ANSR, and TVNSP. I
think it would be unusual to have good launch weather in all four
places this time of year.

Plus I have to finish up my payload in order to make the bunch.

- Mark

Mark D. Conner
E-mail: n9xtn@...
Homepage: http://members.home.net/mconner1
"Arrogance and stupidity, all in the same package.....how
efficient
of you!" - Ambassador Londo Mollari, Babylon 5

1802. Assigned flights?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-23 03:35:34 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1802 Message: 1802

should we assign flights to particular individuals? If we do, what should their function be?

I'll be back in the area on 20 June, a Saturday. If TVNSP wants to launch at the River Fest on sunday, I can help out.

Paul

1803. Re: [tvnsp] test

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-23 02:35:55 UTC
From: Rick Widmer
Topic: 1546 Message: 1803

I hear you...

verhap@... wrote:
>
> Am I getting out?
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

1804. test

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-23 19:08:11 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1546 Message: 1804

test

1805. Re: [tvnsp] test

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-23 21:35:52 UTC
From: John Knapp
Topic: 1546 Message: 1805

test works. Or is this a short note on some subject?

JohnK
--- verhap@... wrote:
> test
>

_____
Do You Yahoo!?
Send FREE video emails in Yahoo! Mail!
http://promo.yahoo.com/videomail/

1806. Re: [tvnsp] test

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-23 21:59:20 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1546 Message: 1806

> test works. Or is this a short note on some subject?

Thanks, it's just me making sure I can send email off campus.
Now I need to work on Netscape.

Paul

1807. Stratobowl

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-24 22:02:13 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1807 Message: 1807

Along with GPSL 2002 I'm also planning my summer vacation. In
South Dakota, near Rapid City, is a region called Stratobowl. In
the 1930's they launched high altitude, manned balloons from it.
I'm trying to find it, but so far have come up with nothing. I find web
references, but no maps or directions. Does anyone have a S.D.
map that might show it?

I plan to visit Stratobowl on my way to GPSL 2002.

Paul

1808. Thermochron

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-24 22:29:32 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1808 Message: 1808

I got my thermochron in the mail yesterday. They still haven't send
Jeff's kit.

Paul

1809. Re: [tvnsp] Stratobowl

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-24 21:24:39 UTC
From: Rick Widmer
Topic: 1807 Message: 1809

verhap@... wrote:
>
> Along with GPSL 2002 I'm also planning my summer vacation. In
> South Dakota, near Rapid City, is a region called Stratobowl. In
> the 1930's they launched high altitude, manned balloons from it.
> I'm trying to find it, but so far have come up with nothing. I find web
> references, but no maps or directions. Does anyone have a S.D.
> map that might show it?
>
> I plan to visit Stratobowl on my way to GPSL 2002.

Sorry, no map, but you can find info on getting directions:

you will want to see the Stratobowl and for that you'll need
directions from us. Info: 605-385-5188

Stratobowl:

http://www.rosyinn.com/5100b01.htm

Directions: It is on private land and not marked on most
maps

Cost: Free

Highlights: The place where the space age was born

Description:

The stratobowl is one of those hidden, almost secret gems of
the Black Hills that few people nowadays visit or even know
about. As a geological feature it is a spectacular place
with 500 foot cliffs on three sides surrounding as small
flat plan no bigger than a few football fields. If you
don't know how to get there, you'll never find it. The best
way to see it is to walk about three-fourths mile back a
closed forest service road to an overlook on the east rim.
This is the spot where the national press corps gathered in
the mid 1930s to watch America's first high-alititude
balloon flights. The altitude records set in these flights
(72,395 feet) stood until the dawn of the space age in the
late 1950s. You can also learn more by visiting the South
Dakota Air and Space Museum at Box Elder, South Dakota.

SD Air & Space Museum

http://www.rosyinn.com/5100a50.htm

Best Time To Go: Open Year Round. Anytime between 8:30 a.m. and 6 p.m. daily from mid-May to mid-September. Winter hours from 8:30 a.m. to 4:30 p.m.

Directions: Follow US16A and US16 east to I-90 then east on I-90 to Exit 66 - Box Elder

Cost: Free, but there is a nominal charge if you want to take a tour of Ellsworth Air Force Base (recommended)

Highlights: Nice collection of WWII birds, and tour of a missile silo

Description:

This is a must-see museum if you are interested in WWII aircraft. On displayare the B29, B25, B26, C47, T-38 and 22 other vintage planes. The museum also has an excellent section of the early Stratobowl high-altitude ballon flights of the 1930s. These flights actually launched the space age. Once you've seen this exhibit you will want to see the Stratobowl and for that you'll need directions from us. Info: 605-385-5188. Write: SDA&S Museum, PO Box 871, Box Elder, SD 57719. For more information about Ellsworth Air Force Base, check out the link below.

http://www.ellsworth.af.mil/~history/index.shtml

1810. Vertex HT/Next Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-25 14:53:36 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1810 Message: 1810

I found out that the HT on the last flight won't transmit. It does receive, however. I have a Vertex HT to replace it, but for the life of me, I can't find the blasted cable that comes with it. Does anyone have a Vertex and the MIC/SPK cable made for it? Can you bring it to the next meeting (this Sunday)? In the interim, I'll search the web for info on making the cable myself.

Bring your capsules and parachutes to the next meeting. I'll bring a BS-2 with programming board and some LEDs and resistors.
The goal will be to write a program to blink LEDs and download it.

The backup beacon works well. I used a Tiny Trak II, Etrex, and DJ-S11, and soft wire dipole. It sends posits that includes; lat, long, alt, speed, and heading.

The new CCPS is controlling servos and allows communications with the BS-2p and MIM. The MIM transmits. However, I didn't get the BS2p to send telemetry to the MIM. I'll troubleshoot that this week.

Paul

1811. Re: [tvnsp] Thermochron

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-25 16:31:05 UTC
From: Jeff Melanson
Topic: 1808 Message: 1811

Paul,

The kit is what I do have. What I'm missing is the extra
thermochron I ordered.

Jeff

verhap@... wrote:
>
> I got my thermochron in the mail yesterday. They still haven't send
> Jeff's kit.
>
> Paul
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

1812. Graphs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-25 16:33:06 UTC
From: Jeff Melanson
Topic: 1812 Message: 1812

Paul,

Did you have a chance to complete the graphs from the
insulation test's? Can you attach them and send them?

Jeff
KD7INN

1813. Re: [tvnsp] Thermochron

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-25 16:47:52 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1808 Message: 1813

You have your kit?!

Then perhaps the one I recieved is yours. I also ordered an extra t-
chron as I recall. I'll bring it to the Sunday meeting.

Paul

> Paul,
>
> The kit is what I do have. What I'm missing is the extra
> thermochron I ordered.
>
> Jeff
>
> verhap@... wrote:
> >
> > I got my thermochron in the mail yesterday. They still haven't send
> > Jeff's kit.
> >
> > Paul
> >
> >
> > To unsubscribe from this group, send an email to:
> > tvnsp-unsubscribe@egroups.com
> >
> >
> >
> > Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>

1814. Re: [tvnsp] Graphs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-25 16:48:22 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1812 Message: 1814

I haven't worked graphs for a while. I'll do some work this weekend.

Paul

> Paul,
>
> Did you have a chance to complete the graphs from the
> insulation test's? Can you attach them and send them?
>
> Jeff
> KD7INN
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>

1815. RE: [tvnsp] Thermochron

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-25 18:10:14 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 1808 Message: 1815

so i thought I'd pipe up.
I've almost done with a basic stamp 2 device that simply toggles a analog mux to get analog thermometer (simple transistor thermometer proven linear in chamber, this was the graph i sent out a few weeks ago) data through a single A/D converter and then into the basic stamp, and out a serial port. The idea here, is to create a text file with the temp data, thus eliminating the need for the
thermal chip that records thermal measurements to be downloaded later...

So maybe we'll run both together? It would be interesting to compare the data..... it would definitely show
us which thermorcrons were bad (remember hearing something about that).

I have a few more hours of work to do on my basic stamp board...
specifically getting the mux wired up,
and figuring out how (I'm new to the stamp) to store digital input (1 or 0) from 8 pins into some variable to retransmit out the serial port..... It would be great if folks could help me out there, I'm a little pushed for time before Sunday afternoon... anybody written stuff like this before? I'm using the BasicStamp2SX specifically.

The only documentation I've found free online is for a pic version of basic stamp, and it's not from parallax themselves.... if someone has a pbasic grammar / coding guide of some kind they could email or point me to the web that would be very helpful.
Dave

-----Original Message-----
From: verhap@... [mailto:verhap@...]
Sent: Friday, January 25, 2002 2:48 AM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] Thermochron

You have your kit?!

Then perhaps the one I recieved is yours. I also ordered an extra t-chron as I recall. I'll bring it to the Sunday meeting.

Paul

> Paul,
>
> The kit is what I do have. What I'm missing is the extra
> thermochron I ordered.
>
> Jeff
>

> verhap@... wrote:
> >
> > I got my thermochron in the mail yesterday. They still haven't send
> > Jeff's kit.
> >
> > Paul
> >
> >
> > To unsubscribe from this group, send an email to:
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> >
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> > Your use of Yahoo! Groups is subject to
http://docs.yahoo.com/info/terms/ <http://docs.yahoo.com/info/terms/>
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>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
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<http://docs.yahoo.com/info/terms/>
>
>

To unsubscribe from this group, send an email to:
tvnsp-unsubscribe@egroups.com

Your use of Yahoo! Groups is subject to the Yahoo! Terms of Service
<http://docs.yahoo.com/info/terms/> .

1816. RE: [tvnsp] Thermochron

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-25 19:08:33 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1808 Message: 1816

> I have a few more hours of work to do on my basic stamp board...
> specifically getting the mux wired up,
> and figuring out how (I'm new to the stamp) to store digital input (1 or 0)
> from 8 pins into some variable to retransmit out the serial port..... It
> would be great if folks could help me out there, I'm a little pushed for
> time before Sunday afternoon... anybody written stuff like this before? I'm
> using the BasicStamp2SX specifically.
>
> The only documentation I've found free online is for a pic version of basic
> stamp, and it's not from parallax themselves.... if someone has a pbasic
> grammar / coding guide of some kind they could email or point me to the web
> that would be very helpful.

Please bring what you have to the meeting, I would like to see it.

There's a BS1 PBASIC to assembler converter, but I'm not aware of
one for the Scenix chips

Paul

1817. Balloon temperature measurements at SkyQuest, part 1

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-27 03:40:04 UTC
From: Hank Riley
Topic: 1817 Message: 1817

This is part 1 of a short discussion of electronic temperature measurement for balloons.

Before going any further, I'd like to establish that what I've done with balloons is only with payloads that are discarded; none of the seven or so launched have been recovered. This *heavily* affects the design philosophy, because payloads must be cheap, and that means simple and light. Very simple, very light. A whole new payload has to be built for each launch!

SkyQuest currently holds the record for the smallest balloon envelope used to lift a telemetered payload, and the second place for the lightest payload.

There are essentially two ways to electronically measure temperature practically on a balloon:

1. PN semiconductor junction temperature dependency devices.

2. thermistors

A diode, the little IC temp. sensors by National and others, and the 1-wire digital temp. sensors from Dallas all are type 1 devices.

SkyQuest so far has employed thermistors because they are the very least expensive, even less so than a diode taking into account a diode needs some amplification to do decent measurements in a balloon.

The thermistor's main disadvantage is its inherently nonlinear resistance vs. temperature response, but such nonlinearity can be dealt with on the ground.

So, the thermistor is simply hooked up between a resistor and a stable reference voltage, the combination serving as a voltage divider which feeds directly into a microcontroller A/D input.

The microcontroller is always an OTP Microchip microcontroller having at least 4 separate A/D channels (all A/D PICs have at least 4 channels, some even more). OTP means "one-time programmable" so once the program is installed on the chip, it's there for eternity. When we began SkyQuest, there were no flash PICs available with the A/D feature, and external A/Ds add to cost and detract from the ultra simplicity for which we strive.

Is wonderful to use a BASIC STAMP or equivalent for a balloon, but the OTP PICs with four built-in A/Ds cost under $5! They also use

far less power than the new fast BASIC STAMPS.

Next message will have weblinks to pictures and graphs from SkyQuest.

Hank

SkyQuest
http://www.geocities/n1ltv/hablic.htm

_____
Do You Yahoo!?
Great stuff seeking new owners in Yahoo! Auctions!
http://auctions.yahoo.com

1818. Re: [tvnsp] Vertex HT/Next Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-27 05:44:05 UTC
From: Bill Herrmann
Topic: 1810 Message: 1818

At 07:53 AM 1/25/02 -0700, you wrote:
>I have a Vertex HT to replace it, but for the life of me, I can't find the
>blasted cable that comes with it. Does anyone have a Vertex and the
>MIC/SPK cable made for it? Can you bring it to the next meeting (this
>Sunday)? In the interim, I'll search the web for info on making the cable
>myself.

Can't help you with the actual cable, but you may have better luck
searching for a Yaesu cable. Vertex and Yaesu are essentially the same company.

>Bring your capsules and parachutes to the next meeting. I'll bring
>a BS-2 with programming board and some LEDs and resistors.
>The goal will be to write a program to blink LEDs and download it.

Drat! Had a family obligation come up. I might make the tail end of the
meeting though.

Bill

1819. Meeting and Birthday

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-27 06:46:40 UTC
From: Jeff Melanson
Topic: 1819 Message: 1819

Hi TVNSP,

I can't make it to the meeting tommorrow because it is my
wifes birthday and a party is planned for her.
Get those parachutes and capsules built! Launch time
approaches!

Jeff
KD7INN

1820. Re: [tvnsp] Stratobowl

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-27 16:12:06 UTC
From: Randy Farley
Topic: 1807 Message: 1820

Paul
I found a place called "Stratosphere Bowl" on the Street Atlas map.
It shows it NE of a small town called Rockerville just SW of Rapid City.
I will have my laptop at workshop Sunday if you want to look at the map.

verhap@... wrote:
>
> Along with GPSL 2002 I'm also planning my summer vacation. In
> South Dakota, near Rapid City, is a region called Stratobowl. In
> the 1930's they launched high altitude, manned balloons from it.
> I'm trying to find it, but so far have come up with nothing. I find web
> references, but no maps or directions. Does anyone have a S.D.
> map that might show it?
>
> I plan to visit Stratobowl on my way to GPSL 2002.
>
> Paul
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

--
Regards,
Randy Farley
N7GPS -Ham Call-
My Home at: http://map.findu.com/n7gps
Find Me Mobile at: http://map.findu.com/n7gps-9
MY Local weather at:
http://www.findu.com/cgi-bin/find.cgi?call=n7gps&radar=CBX
(scroll to bottom of page)

1821. RH Sensors

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-29 14:49:37 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1821 Message: 1821

The RH sensors are about to be shipped. I was told there is a $25 clearing charge for outstation checks. I'll find out what outstation means. They also take money orders, which doesn't require the clearing charge.

Paul

1822. Copy of Insurance

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-29 22:13:49 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1822 Message: 1822

Doug, I need a copy of the insurance for the Mall.

Paul

1823. Re: [tvnsp] Copy of Insurance

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-30 00:23:28 UTC
From: Doug Rich
Topic: 1822 Message: 1823

When do you need it and where can I give it to you?
Doug

At 03:13 PM 1/29/02 -0700, you wrote:
>Doug, I need a copy of the insurance for the Mall.
>
>Paul
>
>
>To unsubscribe from this group, send an email to:
>tvnsp-unsubscribe@egroups.com
>
>
>
>Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

1824. Re: [tvnsp] Copy of Insurance

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-30 14:39:10 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1822 Message: 1824

I dropped the form off at the Mall yesterday. I can pick up a copy
after school, which this semester ends at 2:30. Let me know
where I can meet you, I'll stop by after classes.

Thanks,
Paul

> When do you need it and where can I give it to you?
> Doug
>
> At 03:13 PM 1/29/02 -0700, you wrote:
> >Doug, I need a copy of the insurance for the Mall.
> >
> >Paul
> >
> >
> >To unsubscribe from this group, send an email to:
> >tvnsp-unsubscribe@egroups.com
> >
> >
> >
> >Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>

1825. Re: [tvnsp] Copy of Insurance

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-30 14:49:55 UTC
From: Doug Rich
Topic: 1822 Message: 1825

Give me a call on my cell about 30 min before you want to meet me. 283.4300
Doug

At 07:39 AM 1/30/02 -0700, you wrote:
>I dropped the form off at the Mall yesterday. I can pick up a copy
>after school, which this semester ends at 2:30. Let me know
>where I can meet you, I'll stop by after classes.
>
>Thanks,
>Paul
>
> > When do you need it and where can I give it to you?
> > Doug
> >
> > At 03:13 PM 1/29/02 -0700, you wrote:
> > >Doug, I need a copy of the insurance for the Mall.
> > >
> > >Paul
> > >
> > >
> > >To unsubscribe from this group, send an email to:
> > >tvnsp-unsubscribe@egroups.com
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>To unsubscribe from this group, send an email to:
>tvnsp-unsubscribe@egroups.com
>
>
>
>Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

1826. Patches are In

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-30 15:15:54 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1826 Message: 1826

I picked up the TVNSP patches yesterday. They didn't tell me
about the digitizing fee, so the cost per patch is $7.50. Send your
money for the patches to, 207 Crestline #3, Caldwell, ID 83605.
You can leave the price blank and I'll fill it out (hehh heh heh!).

Include a SASE, business size and I'll throw in a few trifolds that I
printed up.

Paul

1827. EOSS Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-30 15:27:08 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1827 Message: 1827

I'm planning on visiting with EOSS at their regular meeting on Tuesday, 9 July. It's held in the Denver area. Is anyone interested in going with me? I plan to talk about GPSL 2002 and I bet they'd like to hear a second opinion. by the way, you can spend a lot of time at the Denver museum that morning.

Paul

1828. RE: [tvnsp] Patches are In

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-30 16:17:19 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 1826 Message: 1828

You mean I have to go buy envelopes and stamps? How about you bring them to the next meeting :)

-----Original Message-----
From: verhap@... [mailto:verhap@...]
Sent: Wednesday, January 30, 2002 1:16 AM
To: tvnsp@yahoogroups.com; knsp@egroups.com
Subject: [tvnsp] Patches are In

I picked up the TVNSP patches yesterday. They didn't tell me about the digitizing fee, so the cost per patch is $7.50. Send your money for the patches to, 207 Crestline #3, Caldwell, ID 83605. You can leave the price blank and I'll fill it out (hehh heh heh!).

Include a SASE, business size and I'll throw in a few trifolds that I printed up.

Paul

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<http://rd.yahoo.com/M=210675.1853748.3359285.1261774/D=egroupweb/S=1705083281:HM/A=806910/R=0/*https://www.consumerinfo.com/cb/yahooccms/form_online_a1.asp?sc=14856015> Click Here!

<http://us.adserver.yahoo.com/l?M=210675.1853748.3359285.1261774/D=egroupmail/S=1705083281:HM/A=806910/rand=681126961>

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tvnsp-unsubscribe@egroups.com

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1829. RE: [tvnsp] Patches are In

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-30 16:47:18 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1826 Message: 1829

> You mean I have to go buy envelopes and stamps? How about you bring them to
> the next meeting :)

Sorry about that, I was referring to those who asked for patches
that aren't local. For the rest of us, I will be bringing the patches to
our next meeting.

Paul

1830. Video Board

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-31 15:07:02 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1830 Message: 1830

Hanks, the chip on the board says
STV5730A-1

Paul

1831. Re: GPSL 2002

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-01-31 22:25:25 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 481 Message: 1831
Attachments: 2 described; binary payloads are missing from this source WARC

Here's the latest copy of the announcement. I think this is
complete and can be passed around. I'll look it over again tonight.
Thanks for your help, this should be a great event.

Please make any recommendations. I could use another point of
contact for answering questions. I'll need an email address and
phone number

Paul

1832. Re: [tvnsp] Video Board

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-01 04:35:19 UTC
From: Hank Riley
Topic: 1830 Message: 1832

> Hank, the chip on the board says
> STV5730A-1
>
> Paul

Thanks, that the one I thought it was. It's
not made in the US and has been recently
discontinued.

Do You Yahoo!?
Great stuff seeking new owners in Yahoo! Auctions!
http://auctions.yahoo.com

1833. Well, I feel humble...

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-01 05:39:53 UTC
From: Bill Herrmann
Topic: 1833 Message: 1833

Check out NASA's Astronomy Picture of the Day at
http://antwrp.gsfc.nasa.gov/apod/

If you don't get to it "today" look for the Balloon TIGER picture.

It's a whole lot bigger than our launches, but it looks like many things
are the same on a larger scale.

Bill

1834. Re: [tvnsp] Well, I feel humble...

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-01 06:04:06 UTC
From: Rick Widmer
Topic: 1833 Message: 1834

The TIGER launch photo link Bill sent is only be good on Feb
1. This link will work forever...

http://antwrp.gsfc.nasa.gov/apod/ap020201.html

The other link is cool because it will give you a different
picture of interest to astronomers every day.

Rick

Bill Herrmann wrote:
>
> Check out NASA's Astronomy Picture of the Day at
> http://antwrp.gsfc.nasa.gov/apod/
>
> If you don't get to it "today" look for the Balloon TIGER picture.
>
> It's a whole lot bigger than our launches, but it looks like many things
> are the same on a larger scale.
>

1835. Re: [tvnsp] Well, I feel humble...

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-01 14:43:19 UTC
From: John Knapp
Topic: 1833 Message: 1835

I wonder what kind of cut down devices they use?

JohnK
--- Rick Widmer <rwidmer@...> wrote:
> The TIGER launch photo link Bill sent is only be
> good on Feb
> 1. This link will work forever...
>
>
> http://antwrp.gsfc.nasa.gov/apod/ap020201.html
>
> The other link is cool because it will give you a
> different
> picture of interest to astronomers every day.
>
> Rick
>
>
> Bill Herrmann wrote:
> >
> > Check out NASA's Astronomy Picture of the Day at
> > http://antwrp.gsfc.nasa.gov/apod/
> >
> > If you don't get to it "today" look for the
> Balloon TIGER picture.
> >
> > It's a whole lot bigger than our launches, but it
> looks like many things
> > are the same on a larger scale.
> >
>

_____
Do You Yahoo!?
Great stuff seeking new owners in Yahoo! Auctions!
http://auctions.yahoo.com

1836. Re: [tvnsp] Well, I feel humble...

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-01 15:09:22 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1833 Message: 1836

I saw them at NSBF last summer. They use two sets of jaws that
are interlocked togther. A steel cable ties thems together. They
pass the cable through a line cutter that uses an explosive to drive
a piston through the cable severing it. Once the cable is cut, the
jaws seperate letting the balloon and parachute fall a part.

The jaws are machined from big hunks of aluminum. I imagine the
jaws, steel cable, and line cutter weighs as much as our capsules.

Paul

> I wonder what kind of cut down devices they use?
>
> JohnK
> --- Rick Widmer <rwidmer@...> wrote:
> > The TIGER launch photo link Bill sent is only be
> > good on Feb
> > 1. This link will work forever...
> >
> >
> > http://antwrp.gsfc.nasa.gov/apod/ap020201.html
> >
> > The other link is cool because it will give you a
> > different
> > picture of interest to astronomers every day.
> >
> > Rick
> >
> >
> > Bill Herrmann wrote:
> > >
> > > Check out NASA's Astronomy Picture of the Day at
> > > http://antwrp.gsfc.nasa.gov/apod/
> > >
> > > If you don't get to it "today" look for the
> > Balloon TIGER picture.
> > >
> > > It's a whole lot bigger than our launches, but it
> > looks like many things
> > > are the same on a larger scale.
> > >
> >
>
>
> _____
> Do You Yahoo!?

> Great stuff seeking new owners in Yahoo! Auctions!
> http://auctions.yahoo.com
>
>
> To unsubscribe from this group, send an email to:
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>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>

1837. Re: [tvnsp] Well, I feel humble...

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-01 17:09:25 UTC
From: randy farley
Topic: 1833 Message: 1837

Makes our chase enviroment and terrain look pretty docile.
Give me Twin Falls anyday ;-)
Next time we complain about cold mornings for lacunch, Paul
can just slap us.

On Thu, 31 Jan 2002 22:39:53 -0700
Bill Herrmann <bherrman@...> wrote:
> Check out NASA's Astronomy Picture of the Day at
> http://antwrp.gsfc.nasa.gov/apod/
>
> If you don't get to it "today" look for the Balloon TIGER
> picture.
>
> It's a whole lot bigger than our launches, but it looks
> like many things
> are the same on a larger scale.
>
> Bill
>
>
>
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>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to
> http://docs.yahoo.com/info/terms/
>
>

regards,

Randy

1838. GPSL 2002 Announcement

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-01 21:56:27 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 481 Message: 1838

I'm attaching the official announcement of the Great Plains Super Launch 2002 to this email message. It's a Word 2000 document. Please pass it on to any other interested parties.

Note that you'll have to register for GPSL 2002 so I can get a head count. I'll be making reservations for lunch and dinner along with printing up a proceedings. I'll need the head count for these. the only cost other than meals is for the proceedings. Those cost $10. when you register you'll also need to let me know if you have something to display (poster, flight article, etc). I'll make arrangements for tables for displays.

I will arrange for helium at the launch site. So in the announcement I've asked for a count of tanks needed. These tanks cost $45 each if we order at least six. They should be T tanks, but Linweld says each tank holds 240 cubic feet of helium.

If anyone will be int he Manhattan area on July 2 and 3, please let me know. I'll need help carrying the helium tanks.

If anyonw would like to volunteer to help out, please let me know. I have a PA officer, but could use help getting the word out to other organizations. QST has been notified. Can someone volunteer to make a video? I think I'll need a "gofer" to take care of odds and ends during the symposium. I could also use a photographer. I plan for a group photo at the beginning of the symposium and at the launch site.

Bill All is begining to arrange for a special events station, he could probably use some help there. We will set up a mission control at the launch site for those who want to help launch but not chase.

If there's an interest, I'll arrange for a GPSL 2002 t-shirt. The cost will be somewhere around $10 each. Email me so I can get a head count and I'll also need to know the size required.

Paul
To near space and beyond!

1839. Re: [KNSP] GPSL 2002 Announcement

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-02 20:41:58 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 481 Message: 1839
Attachments: 2 described; binary payloads are missing from this source WARC

I'm resending this after an error Friday and corrections on Saturday.
I'l need to know how much helium and copies of proceedings I need
to get by 1 June. T-shirt info I need to know by the end of April.

> I'm attaching the official announcement of the Great Plains Super
> Launch 2002 to this email message. It's a Word 2000 document.
> Please pass it on to any other interested parties.
>
> Note that you'll have to register for GPSL 2002 so I can get a head
> count. I'll be making reservations for lunch and dinner along with
> printing up a proceedings. I'll need the head count for these. the
> only cost other than meals is for the proceedings. Those cost $10.
> when you register you'll also need to let me know if you have
> something to display (poster, flight article, etc). I'll make
> arrangements for tables for displays.
>
> I will arrange for helium at the launch site. So in the
> announcement I've asked for a count of tanks needed. These
> tanks cost $45 each if we order at least six. They should be T
> tanks, but Linweld says each tank holds 240 cubic feet of helium.
>
> If anyone will be in the Manhattan area on July 2 and 3, please let
> me know. I'll need help carrying the helium tanks.
>
> If anyonw would like to volunteer to help out, please let me know. I
> have a PA officer, but could use help getting the word out to other
> organizations. QST has been notified. Can someone volunteer to
> make a video? I think I'll need a "gofer" to take care of odds and
> ends during the symposium. I could also use a photographer. I
> plan for a group photo at the beginning of the symposium and at
> the launch site.
>
> Bill All is begining to arrange for a special events station, he could
> probably use some help there. We will set up a mission control at
> the launch site for those who want to help launch but not chase.
>
> If there's an interest, I'll arrange for a GPSL 2002 t-shirt. The cost
> will be somewhere around $10 - $20 each. Email me so I can get a head
> count and I'll also need to know the size required.
>
> Paul
> To near space and beyond!

1840. Thermal analysis of space blanket layers and hand warmers.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-04 15:52:31 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 1840 Message: 1840
Attachments: 4 described; binary payloads are missing from this source WARC

About the thermal analysis.
The short story: The various numbers of layers of space blanket rap have no effect on cooling
by convection. I imagine they would be effective against solar radiation, if you wanted
to prevent overheating, but over-heating does not appear to be a concern of ours.

The long story:
I ran Craft4 and 1 first (1=1 layer of space blanket,2=2 layers...etc).
For crafts with 2 or more layers of space blanket, these layers were separated
by the wedding veil stuff.
If you look at the spreadsheet "NEAR-THERMAL craft4and1.xls"
you can see that the 3 extra layers on craft4 had little impact.
In fact, the data shows the craft with 4 layers was actually a degree or two cooler
throughout the experiment, i attribute this to experimental error, and would suggest the two crafts exhibited nearly identical thermal properties.

For the second experiment, i used craft 2 and 3 (2 and 3 layers of space blanket)
and threw in a hand warmer into each craft.
I used the 2 and 3 layer crafts, and sealed them carefully with tape when I put the lids on,
because i wanted something airtight.. to simulate the oxygen poor situation at high altitude.
I took the two hand warmers out at the same second... let them sit at 25C for a few
minutes, shook them aggressively for 45 seconds, let them sit again for a few minutes,
sealed the crafts at the same moment... and then ran the same experiment as above on
craft 4 and 1. The had warmers did a good job.... check out the plots....
Again, craft2 and 3 behaved nearly identically with respect to the layers of space blanket.
Recommendation: Hand warmer was very successful in maintaining craft temp of approximately 25-35
Celsius above environmental temperature, and also slowing convective cooling greatly.

for both experiments, the crafts were left in a 25C environment for several days with the lids off
to allow the materials to settle at 25C. In the chamber the crafts were placed on folded paperclips to

keep them from coming in direct contact with the bottom surface of the chamber, and everything was spaced
as evenly as possible to allow for the greatest airflow between crafts/floor/walls etc. There was a fan in
the chamber insuring good mixing, it always ran. Also, the temperature acquisition system was calibrated from -60 to 40 C moments before the experiment.

An explanation of the plots for both experiments:
The black data points with the numbers (near the top) - is the time in minutes from the start of the experiment.
The orange and green lines are the trend lines of the temperatures of chamber 1 and 4 respectively
The dark blue curve near the bottom is the chamber temperature throughout the experiment.
That big blob of purple that runs left to right near the top is a reference temp, taken outside the chamber, to prove everything is stable throughout the experiment... (and also infers accuracy of +/- 2C). This "reference" probe was located on the circuit board.

I will attach a couple of smaller images to this email, I have about 10 total...
if you would like them, just drop me an email, i hate to irritate folks with modems ;)

I REALLY enjoyed doing this thermal experiment.... I'd be happy to test more stuff for
this club or other clubs!!!! Any other thermal experiments needed? I would suggest trying different thicknesses of craft walls... you know, a different "R" value... lets try one and two sizes thinner.... (ultralightweight craft just strong enough to survive landing...)
The only limitation is that the chamber is 16x11x12.

Dave

--
David Ritzenthaler - Hardware Design Engr.
208.396.3618 - david_ritzenthaler@...
Hewlett-Packard - 11311 Chinden Boulevard
Mail stop 135 - Boise, ID 83714-1021

1841. Re: [tvnsp] Thermal analysis of space blanket layers and hand warmers.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-04 16:50:01 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1840 Message: 1841

So it appears radiation is not the primary cooling method in the chamber. As the pressure drops it should be, but our last flight showed that it was not significant. During spring break I'm going to Weber State. They have a microsatellite program. I'll bring this up with them.

Paul

1842. Re: [tvnsp] Thermal analysis of space blanket layers and hand warmers.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-05 15:34:46 UTC
From: randy farley
Topic: 1840 Message: 1842

Nice work David

If the blankets and scrim are of little significant use for internal heat retention,it will speed up capsule building and hold down cost. That stuff is a pain to work with,even though it looks "cool" when done. "KISS" in effect again.

I would like to build some mini-capsules out of my 1/2 foam,for you to test. I thought i was purchasing the standard 3/4 inch foam :(

What were the inside dimensions of your test boxes? I also have 1/4 foam-board liner inserts to strengthen my capsule. Would like to see if they have any effect on thermal convection.

On Mon, 4 Feb 2002 10:52:31 -0500
"RITZENTHALER,DAVID (HP-Boise,ex1)"
<david_ritzenthaler@...> wrote:
> About the thermal analysis.
> The short story: The various numbers of layers of space
> blanket rap have no
> effect on cooling
> by convection. I imagine they would be effective against
> solar radiation,
> if you wanted
> to prevent overheating, but over-heating does not appear
> to be a concern of
> ours.
>
> The long story:
> I ran Craft4 and 1 first (1=1 layer of space blanket,2=2
> layers...etc).
> For crafts with 2 or more layers of space blanket, these
> layers were
> separated
> by the wedding veil stuff.
> If you look at the spreadsheet "NEAR-THERMAL
> craft4and1.xls"
> you can see that the 3 extra layers on craft4 had little
> impact.
> In fact, the data shows the craft with 4 layers was
> actually a degree or two
> cooler
> throughout the experiment, i attribute this to
> experimental error, and would

> suggest the two crafts exhibited nearly identical thermal
> properties.
>
> For the second experiment, i used craft 2 and 3 (2 and 3
> layers of space
> blanket)
> and threw in a hand warmer into each craft.
> I used the 2 and 3 layer crafts, and sealed them
> carefully with tape when I
> put the lids on,
> because i wanted something airtight.. to simulate the
> oxygen poor situation
> at high altitude.
> I took the two hand warmers out at the same second... let
> them sit at 25C
> for a few
> minutes, shook them aggressively for 45 seconds, let them
> sit again for a
> few minutes,
> sealed the crafts at the same moment... and then ran the
> same experiment as
> above on
> craft 4 and 1. The had warmers did a good job.... check
> out the plots....
> Again, craft2 and 3 behaved nearly identically with
> respect to the layers of
> space blanket.
> Recommendation: Hand warmer was very successful in
> maintaining craft temp
> of approximately 25-35
> Celsius above environmental temperature, and also slowing
> convective cooling
> greatly.
>
> for both experiments, the crafts were left in a 25C
> environment for several
> days with the lids off
> to allow the materials to settle at 25C. In the chamber
> the crafts were
> placed on folded paperclips to
> keep them from coming in direct contact with the bottom
> surface of the
> chamber, and everything was spaced
> as evenly as possible to allow for the greatest airflow
> between
> crafts/floor/walls etc. There was a fan in
> the chamber insuring good mixing, it always ran. Also,
> the temperature
> acquisition system was calibrated from -60 to 40 C
> moments before the

> experiment.
>
> An explanation of the plots for both experiments:
> The black data points with the numbers (near the top) -
> is the time in
> minutes from the start of the experiment.
> The orange and green lines are the trend lines of the
> temperatures of
> chamber 1 and 4 respectively
> The dark blue curve near the bottom is the chamber
> temperature throughout
> the experiment.
> That big blob of purple that runs left to right near the
> top is a reference
> temp, taken outside the chamber, to prove everything is
> stable throughout
> the experiment... (and also infers accuracy of +/- 2C).
> This "reference"
> probe was located on the circuit board.
>
>
> I will attach a couple of smaller images to this email, I
> have about 10
> total...
> if you would like them, just drop me an email, i hate to
> irritate folks with
> modems ;)
>
> I REALLY enjoyed doing this thermal experiment.... I'd be
> happy to test more
> stuff for
> this club or other clubs!!!! Any other thermal
> experiments needed? I would
> suggest trying different thicknesses of craft walls...
> you know, a different
> "R" value... lets try one and two sizes thinner....
> (ultralightweight craft
> just strong enough to survive landing...)
> The only limitation is that the chamber is 16x11x12.
>
> Dave
>
>
> --
> David Ritzenthaler - Hardware Design Engr.
> 208.396.3618 - david_ritzenthaler@...
> Hewlett-Packard - 11311 Chinden Boulevard
> Mail stop 135 - Boise, ID 83714-1021
>
>

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>

regards,

Randy

1843. RE: [tvnsp] Thermal analysis of space blanket layers and hand war mers.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-05 17:14:43 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 1843 Message: 1843

I actually think a single rap of the stuff is good, because
it is one more wind proofing measure, having air rush through
the craft is a bad thing :)

The inside diameter... I have them in the truck at the moment.
I'm not sure. Paul - Do you remember? I'll grab a measurement
by tomorrow....if we don't hear from someone who knows.

-----Original Message-----
From: randy farley [mailto:rdfarley@...]
Sent: Tuesday, February 05, 2002 8:35 AM
To: tvnsp@yahoogroups.com; tvnsp@yahoogroups.com
Cc: Kristin Ritzenthaler (E-mail)
Subject: Re: [tvnsp] Thermal analysis of space blanket layers and hand
warmers.

Nice work David

If the blankets and scrim are of little significant use for
internal heat retention,it will speed up capsule building
and hold down cost. That stuff is a pain to work with,even
though it looks "cool" when done. "KISS" in effect again.

I would like to build some mini-capsules out of my 1/2
foam,for you to test. I thought i was purchasing the
standard 3/4 inch foam :(

What were the inside dimensions of your test boxes? I also
have 1/4 foam-board liner inserts to strengthen my capsule.
Would like to see if they have any effect on thermal
convection.

On Mon, 4 Feb 2002 10:52:31 -0500
"RITZENTHALER,DAVID (HP-Boise,ex1)"
<david_ritzenthaler@...> wrote:
> About the thermal analysis.
> The short story: The various numbers of layers of space
> blanket rap have no
> effect on cooling
> by convection. I imagine they would be effective against
> solar radiation,
> if you wanted
> to prevent overheating, but over-heating does not appear
> to be a concern of
> ours.
>
> The long story:

> I ran Craft4 and 1 first (1=1 layer of space blanket,2=2
> layers...etc).
> For crafts with 2 or more layers of space blanket, these
> layers were
> separated
> by the wedding veil stuff.
> If you look at the spreadsheet "NEAR-THERMAL
> craft4and1.xls"
> you can see that the 3 extra layers on craft4 had little
> impact.
> In fact, the data shows the craft with 4 layers was
> actually a degree or two
> cooler
> throughout the experiment, i attribute this to
> experimental error, and would
> suggest the two crafts exhibited nearly identical thermal
> properties.
>
> For the second experiment, i used craft 2 and 3 (2 and 3
> layers of space
> blanket)
> and threw in a hand warmer into each craft.
> I used the 2 and 3 layer crafts, and sealed them
> carefully with tape when I
> put the lids on,
> because i wanted something airtight.. to simulate the
> oxygen poor situation
> at high altitude.
> I took the two hand warmers out at the same second... let
> them sit at 25C
> for a few
> minutes, shook them aggressively for 45 seconds, let them
> sit again for a
> few minutes,
> sealed the crafts at the same moment... and then ran the
> same experiment as
> above on
> craft 4 and 1. The had warmers did a good job.... check
> out the plots....
> Again, craft2 and 3 behaved nearly identically with
> respect to the layers of
> space blanket.
> Recommendation: Hand warmer was very successful in
> maintaining craft temp
> of approximately 25-35
> Celsius above environmental temperature, and also slowing
> convective cooling
> greatly.
>
> for both experiments, the crafts were left in a 25C

> environment for several
> days with the lids off
> to allow the materials to settle at 25C. In the chamber
> the crafts were
> placed on folded paperclips to
> keep them from coming in direct contact with the bottom
> surface of the
> chamber, and everything was spaced
> as evenly as possible to allow for the greatest airflow
> between
> crafts/floor/walls etc. There was a fan in
> the chamber insuring good mixing, it always ran. Also,
> the temperature
> acquisition system was calibrated from -60 to 40 C
> moments before the
> experiment.
>
> An explanation of the plots for both experiments:
> The black data points with the numbers (near the top) -
> is the time in
> minutes from the start of the experiment.
> The orange and green lines are the trend lines of the
> temperatures of
> chamber 1 and 4 respectively
> The dark blue curve near the bottom is the chamber
> temperature throughout
> the experiment.
> That big blob of purple that runs left to right near the
> top is a reference
> temp, taken outside the chamber, to prove everything is
> stable throughout
> the experiment... (and also infers accuracy of +/- 2C).
> This "reference"
> probe was located on the circuit board.
>
>
> I will attach a couple of smaller images to this email, I
> have about 10
> total...
> if you would like them, just drop me an email, i hate to
> irritate folks with
> modems ;)
>
> I REALLY enjoyed doing this thermal experiment.... I'd be
> happy to test more
> stuff for
> this club or other clubs!!!! Any other thermal
> experiments needed? I would
> suggest trying different thicknesses of craft walls...
> you know, a different

> "R" value... lets try one and two sizes thinner....
> (ultralightweight craft
> just strong enough to survive landing...)
> The only limitation is that the chamber is 16x11x12.
>
> Dave
>
>
> --
> David Ritzenthaler - Hardware Design Engr.
> 208.396.3618 - david_ritzenthaler@...
> Hewlett-Packard - 11311 Chinden Boulevard
> Mail stop 135 - Boise, ID 83714-1021
>
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regards,

Randy

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.asp?sc=14856015> Click Here!

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1844. Re: [tvnsp] Thermal analysis of space blanket layers and hand war mers.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-05 18:41:21 UTC
From: randy farley
Topic: 1843 Message: 1844

On Tue, 5 Feb 2002 09:14:43 -0800
"RITZENTHALER,DAVID (HP-Boise,ex1)"
<david_ritzenthaler@...> wrote:
> I actually think a single rap of the stuff is good,
> because
> it is one more wind proofing measure, having air rush
> through
> the craft is a bad thing :)

GOOD Point,I agree. Besides, it would break Paul's heart if
he did not have a good use for the "Cool, Simulated Gold
NASA Mylar" ;)

Randy
N7gps

1845. RE: [tvnsp] Thermal analysis of space blanket layers and hand war mers.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-05 18:53:48 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 1843 Message: 1845
Attachments: 3 described; binary payloads are missing from this source WARC

okay this is going to be random.

Randy, I was backpacking in Denali (Alaska range) alone,
and using only a handheld calculator(HP48) and a TNC and
small HT to communicate with the MIR packet mailbox...
I was so far to the north, that stations in the US were
not in the footprint of the satellite at the same time as
me... so I had to upload messages to the packet mail box
as fast as i could (only had 45 seconds of usable time).
Then other hams would email my wife my status...

but there was ONE guy who i saw beacons from... I thought
it was N7GPS.. but it may have been N6GPS, I never was able
to get a hold of that guy, was it you?

The images are small, I'll throw 3 in.

-----Original Message-----
From: randy farley [mailto:rdfarley@...]
Sent: Tuesday, February 05, 2002 11:41 AM
To: tvnsp@yahoogroups.com; 'tvnsp@yahoogroups.com'
Subject: Re: [tvnsp] Thermal analysis of space blanket layers and hand war
mers.

On Tue, 5 Feb 2002 09:14:43 -0800
"RITZENTHALER,DAVID (HP-Boise,ex1)"
<david_ritzenthaler@...> wrote:
> I actually think a single rap of the stuff is good,
> because
> it is one more wind proofing measure, having air rush
> through
> the craft is a bad thing :)

GOOD Point,I agree. Besides, it would break Paul's heart if
he did not have a good use for the "Cool, Simulated Gold
NASA Mylar" ;)

Randy
N7gps

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.asp?sc=14856015> Click Here!

<http://us.adserver.yahoo.com/l?M=210675.1853748.3359285.1261774/D=egroupmai
l/S=1705083281:HM/A=806910/rand=867031346>

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1846. backpacking, and packet through MIR

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-05 20:28:23 UTC
From: Hank Riley
Topic: 1843 Message: 1846

David,

Love the Denali tent picture. Unfortunately most of my backpack pictures are slides, so it's not as easy to get them on the web or in email.

I have some graphs and commentary to share with the list that is the result of Jeff's home freezer mylar tests that were performed in December, but weren't graphed until last week.

Before I get the details on, the bottom line is that no difference was discerned between with and without mylar.

Hank

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1847. HP48 Packet?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-05 23:08:48 UTC
From: Mike Garske
Topic: 1847 Message: 1847

David, I have an HP48 collecting dust at home, This would definitely be a good use for it! Can you detail out how it works/ or setup? Thanks!

Mike KC7DPD
----- Original Message -----
From: RITZENTHALER,DAVID (HP-Boise,ex1)
To: 'tvnsp@yahoogroups.com'
Sent: Tuesday, February 05, 2002 11:53 AM
Subject: RE: [tvnsp] Thermal analysis of space blanket layers and hand war mers.

okay this is going to be random.

Randy, I was backpacking in Denali (Alaska range) alone,
and using only a handheld calculator(HP48) and a TNC and
small HT to communicate with the MIR packet mailbox...
I was so far to the north, that stations in the US were
not in the footprint of the satellite at the same time as
me... so I had to upload messages to the packet mail box
as fast as i could (only had 45 seconds of usable time).
Then other hams would email my wife my status...

but there was ONE guy who i saw beacons from... I thought
it was N7GPS.. but it may have been N6GPS, I never was able
to get a hold of that guy, was it you?

The images are small, I'll throw 3 in.

-----Original Message-----
From: randy farley [mailto:rdfarley@...]
Sent: Tuesday, February 05, 2002 11:41 AM
To: tvnsp@yahoogroups.com; 'tvnsp@yahoogroups.com'
Subject: Re: [tvnsp] Thermal analysis of space blanket layers and hand war mers.

On Tue, 5 Feb 2002 09:14:43 -0800
"RITZENTHALER,DAVID (HP-Boise,ex1)"
<david_ritzenthaler@...> wrote:
> I actually think a single rap of the stuff is good,
> because
> it is one more wind proofing measure, having air rush
> through
> the craft is a bad thing :)

GOOD Point,I agree. Besides, it would break Paul's heart if
he did not have a good use for the "Cool, Simulated Gold
NASA Mylar" ;)

Randy
N7gps

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1848. RE: [tvnsp] HP48 Packet?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-05 23:28:01 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 1847 Message: 1848
Attachments: 8 described; binary payloads are missing from this source WARC

The image with the wiring diagram of the TNC is really all you
need... and the dumbterm software for the HP48...
I'll attach that here (tiny) with the verbiage.

the hp48_2 is another guys solution that I've just archived.

-----Original Message-----
From: Mike Garske [mailto:kc7dpd@...]
Sent: Tuesday, February 05, 2002 4:09 PM
To: tvnsp@yahoogroups.com
Subject: [tvnsp] HP48 Packet?

David, I have an HP48 collecting dust at home, This would definitely be a
good use for it! Can you detail out how it works/ or setup? Thanks!

Mike KC7DPD

----- Original Message -----
From: RITZENTHALER,DAVID <mailto:david_ritzenthaler@...> (HP-Boise,ex1)
To: 'tvnsp@yahoogroups.com' <mailto:'tvnsp@yahoogroups.com'>
Sent: Tuesday, February 05, 2002 11:53 AM
Subject: RE: [tvnsp] Thermal analysis of space blanket layers and hand war
mers.

okay this is going to be random.

Randy, I was backpacking in Denali (Alaska range) alone,
and using only a handheld calculator(HP48) and a TNC and
small HT to communicate with the MIR packet mailbox...
I was so far to the north, that stations in the US were
not in the footprint of the satellite at the same time as
me... so I had to upload messages to the packet mail box
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Then other hams would email my wife my status...

but there was ONE guy who i saw beacons from... I thought
it was N7GPS.. but it may have been N6GPS, I never was able
to get a hold of that guy, was it you?

The images are small, I'll throw 3 in.

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From: randy farley [mailto:rdfarley@...]
Sent: Tuesday, February 05, 2002 11:41 AM
To: tvnsp@yahoogroups.com; 'tvnsp@yahoogroups.com'
Subject: Re: [tvnsp] Thermal analysis of space blanket layers and hand war

mers.

On Tue, 5 Feb 2002 09:14:43 -0800
"RITZENTHALER,DAVID (HP-Boise,ex1)"
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> because
> it is one more wind proofing measure, having air rush
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GOOD Point,I agree. Besides, it would break Paul's heart if
he did not have a good use for the "Cool, Simulated Gold
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Randy
N7gps

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.asp?sc=14856015> Click Here!

<http://us.adserver.yahoo.com/l?M=210675.1853748.3359285.1261774/D=egroupmai
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1849. Re: [tvnsp] HP48 Packet?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-05 23:29:32 UTC
From: Mike Garske
Topic: 1847 Message: 1849

Thanks for all the info, Dave!

Mike KC7DPD
----- Original Message -----
From: RITZENTHALER,DAVID (HP-Boise,ex1)
To: 'tvnsp@yahoogroups.com'
Sent: Tuesday, February 05, 2002 4:28 PM
Subject: RE: [tvnsp] HP48 Packet?

The image with the wiring diagram of the TNC is really all you
need... and the dumbterm software for the HP48...
I'll attach that here (tiny) with the verbiage.

the hp48_2 is another guys solution that I've just archived.

-----Original Message-----
From: Mike Garske [mailto:kc7dpd@...]
Sent: Tuesday, February 05, 2002 4:09 PM
To: tvnsp@yahoogroups.com
Subject: [tvnsp] HP48 Packet?

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Can you detail out how it works/ or setup? Thanks!

Mike KC7DPD
----- Original Message -----
From: RITZENTHALER,DAVID (HP-Boise,ex1)
To: 'tvnsp@yahoogroups.com'
Sent: Tuesday, February 05, 2002 11:53 AM
Subject: RE: [tvnsp] Thermal analysis of space blanket layers and hand war mers.

okay this is going to be random.

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and using only a handheld calculator(HP48) and a TNC and
small HT to communicate with the MIR packet mailbox...
I was so far to the north, that stations in the US were
not in the footprint of the satellite at the same time as
me... so I had to upload messages to the packet mail box
as fast as i could (only had 45 seconds of usable time).
Then other hams would email my wife my status...

but there was ONE guy who i saw beacons from... I thought
it was N7GPS.. but it may have been N6GPS, I never was able
to get a hold of that guy, was it you?

The images are small, I'll throw 3 in.

-----Original Message-----
From: randy farley [mailto:rdfarley@...]
Sent: Tuesday, February 05, 2002 11:41 AM
To: tvnsp@yahoogroups.com; 'tvnsp@yahoogroups.com'
Subject: Re: [tvnsp] Thermal analysis of space blanket layers and hand war mers.

On Tue, 5 Feb 2002 09:14:43 -0800
"RITZENTHALER,DAVID (HP-Boise,ex1)"
<david_ritzenthaler@...> wrote:
> I actually think a single rap of the stuff is good,
> because
> it is one more wind proofing measure, having air rush
> through
> the craft is a bad thing :)

GOOD Point,I agree. Besides, it would break Paul's heart if
he did not have a good use for the "Cool, Simulated Gold
NASA Mylar" ;)

Randy
N7gps

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1850. Denali Trip

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-05 23:48:30 UTC
From: Randy Farley
Topic: 1850 Message: 1850

David

(reply to previous reply minus jpeg's for brevity)

I don't recall seeing you in Alaska. Since we have so much activity on our APRS network,it is easy to overlook someone. It was probably K7GPS (David Dobbins) in Pell Ell (sp?) Wash., near Seattle. Dave is the NW APRS leader of our informal APRS group. Very nice guy,so drop him a line. There are at least 5 "gps" ham call suffixes around the country that i know of now ;)

I did message a climber on top of Mt. Borah last summer,but i recall he had a kenwood THD-7. Now with the new Packet Sats.and TCP/IP,it is pretty easy to get a message from any where in the world. I even had people messaging me all the time while hunting last fall. Maybe that is why i had no luck hunting deer,those doggon beeps kept going off at the most inappropriate time :) BTW, i use a KW THD-7 with a Garmin III+ on my 4 wheeler and when on foot hiking. Smallest package i can up with so far off the shelf.

Liked the pictures anyway.

--
Regards,
Randy Farley
N7GPS -Ham Call-
My Home at: http://map.findu.com/n7gps
Find Me Mobile at: http://map.findu.com/n7gps-9
MY Local weather at:
http://www.findu.com/cgi-bin/find.cgi?call=n7gps&radar=CBX
(scroll to bottom of page)

1851. RE: [tvnsp] Thermal analysis of space blanket layers and hand war mers.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-06 14:48:11 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1843 Message: 1851

From: <VERHAP@...>
To: tvnsp@yahoogroups.com boundary=
Date sent: Tue, 5 Feb 2002 10:23:39 -700
Subject: RE: [tvnsp] Thermal analysis of space blanket layers and hand war mers.
Priority: normal

> > The inside diameter... I have them in the truck at the moment.
> > I'm not sure. Paul - Do you remember? I'll grab a measurement
> > by tomorrow....if we don't hear from someone who knows.
>
> As I recall, the boxes are 6" outside and constructed of 1" stryo
> sheets.
>
> I plan to visit Weber State during spring break. They have a
> microsatellite program. I plan to ask them about these results.
>
> Paul
> Paul
>

1852. Board Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-06 15:01:16 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1852 Message: 1852

I went to the board meeting of the astronomy club last night, which happens to be a few blocks away from the VOI board meeting.

I am scheduled to give a presentation to the astronomy club this Friday. Would anyone like to attend or help out? The astronomy club is looking forward to TVNSP doing a launch during the Idaho Star Party (second Saturday in Sept). I'll finalize details with Bruneau Dunes.

I'm going to look into having bumper stickers made. Is anyone interested in buying some?

Don't forget, we have a meeting this Sunday and a table at the Mall on the last Saturday. Please buy patches. If you think you know someone who will buy patches, pick some up at the meeting.

Paul

1853. Re: [tvnsp] Board Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-06 15:58:25 UTC
From: John Knapp
Topic: 1852 Message: 1853

What time and where on Friday?

JohnK
--- verhap@... wrote:
> I went to the board meeting of the astronomy club
> last night, which
> happens to be a few blocks away from the VOI board
> meeting.
>
> I am scheduled to give a presentation to the
> astronomy club this
> Friday. Would anyone like to attend or help out?
> The astronomy
> club is looking forward to TVNSP doing a launch
> during the Idaho
> Star Party (second Saturday in Sept). I'll finalize
> details with
> Bruneau Dunes.
>
> I'm going to look into having bumper stickers made.
> Is anyone
> interested in buying some?
>
> Don't forget, we have a meeting this Sunday and a
> table at the Mall
> on the last Saturday. Please buy patches. If you
> think you know
> someone who will buy patches, pick some up at the
> meeting.
>
> Paul
>

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1854. Re: [tvnsp] Board Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-06 16:50:29 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1852 Message: 1854

The astronomy club meets at the Discover Center at 7:30 PM this
Friday. I plan to get there by 7:00.

Paul
> What time and where on Friday?
>
> JohnK
> --- verhap@... wrote:
> > I went to the board meeting of the astronomy club
> > last night, which
> > happens to be a few blocks away from the VOI board
> > meeting.
> >
> > I am scheduled to give a presentation to the
> > astronomy club this
> > Friday. Would anyone like to attend or help out?
> > The astronomy
> > club is looking forward to TVNSP doing a launch
> > during the Idaho
> > Star Party (second Saturday in Sept). I'll finalize
> > details with
> > Bruneau Dunes.
> >
> > I'm going to look into having bumper stickers made.
> > Is anyone
> > interested in buying some?
> >
> > Don't forget, we have a meeting this Sunday and a
> > table at the Mall
> > on the last Saturday. Please buy patches. If you
> > think you know
> > someone who will buy patches, pick some up at the
> > meeting.
> >
> > Paul
> >
>
>
> _____
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1855. Near space thermal tests with a home freezer

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-07 03:09:29 UTC
From: Hank Riley
Topic: 1852 Message: 1855
Attachments: 4 described; binary payloads are missing from this source WARC

[Attachment content not displayed]

1856. NSTAR power budget

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-07 05:34:38 UTC
From: Mark Conner
Topic: 1856 Message: 1856

Here's the power consumption on the various devices in the
current NSTAR main capsule:

Controller (BS2p, two LEDs, other circuitry on the CC/PS board)
60 mA
TNC (KPC-3 v6.0) 30 mA
Radio (Alinco DJ-190) 100 mA receive 700 mA TX at 800mW with a
5% duty cycle [135 mA average equivalent]
GPS (Garmin GPS-35LVS) 130 mA

Total - 355 mA

With the 4000 mA battery, the capsule should theoretically run
for about 11 hours. Nine hours is more realistic given that you
can't get all the energy out of the bottom of the battery's
capacity. I'll have it running overnight tonight to see how it
comes out.

I need to come up with equivalent figures for the Yaesu VX-1R. I
think the receiver on it takes about 50 mA, so I could get some
more battery life there.

The main capsule is now assembled into its flight configuration.
I have the radio mounted horizontally in the capsule near the
top, then a right-angle BNC and the antenna attached to it poking
out a hole in the top. This should hopefully be efficient enough
to get out, yet short enough not to cross two power lines.

73 de Mark N9XTN

Mark D. Conner
E-mail: n9xtn@...
Homepage: http://members.cox.net/mconner1
"Arrogance and stupidity, all in the same package.....how
efficient of you!" - Ambassador Londo Mollari, Babylon 5

1857. Friday's presentation

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-07 14:58:48 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1857 Message: 1857
Attachments: 2 described; binary payloads are missing from this source WARC

John, can you make it to the Astronomy Club meeting? Can anyone else? I'm attaching my slides and speaking notes. If anyone can attend the meeting, please let me know ASAP. I'd like to give others a chance to speak about TVNSP.

Paul

1858. Near crafts

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-07 17:04:18 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 1858 Message: 1858

I'm at HP today, and have the NEAR crafts at my desk.
I'm leaving town tonight to see my wife for a 3 day weekend.
Is there someone at HP I can give these crafts to?
I guess there is another round of testing to be done to
these chambers. I'm stuck here, my car is in the shop,
so I cant deliver them offsite.

-----Original Message-----
From: verhap@... [mailto:verhap@...]
Sent: Thursday, February 07, 2002 12:59 AM
To: tvnsp@yahoogroups.com
Subject: [tvnsp] Friday's presentation

John, can you make it to the Astronomy Club meeting? Can
anyone else? I'm attaching my slides and speaking notes. If
anyone can attend the meeting, please let me know ASAP. I'd like
to give others a chance to speak about TVNSP.

Paul

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1859. Re: [tvnsp] Near crafts

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-08 04:28:35 UTC
From: Bill Herrmann
Topic: 1858 Message: 1859

At 09:04 AM 2/7/02 -0800, you wrote:
>Is there someone at HP I can give these crafts to?

I picked up the test cubes from David earlier today and will bring them to the meeting.

Paul - I'll also be picking up a pair of patches for David in addition to the patches I'm getting. (Somehow I figure you'll bring enough, but just in case....)

Bill

1860. T-shirts and VOI Newsletter

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-08 14:40:16 UTC
From: Mike Garske
Topic: 1860 Message: 1860

Paul, bring T-shirts too, I need at least 1 large, I got a guy from work wanting one....How much are they again?

Also, I wrote an article for the upcoming VOI newsletter coming out in March, if you want to preview it let me know, I can send it to you as a Word document, or have it in print on Sunday at the next meeting.

Mike KC7DPD

1861. Re: [tvnsp] Near crafts

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-08 14:40:42 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1858 Message: 1861

> At 09:04 AM 2/7/02 -0800, you wrote:
> >Is there someone at HP I can give these crafts to?
>
> I picked up the test cubes from David earlier today and will bring them to
> the meeting.
>
> Paul - I'll also be picking up a pair of patches for David in addition to
> the patches I'm getting. (Somehow I figure you'll bring enough, but just in
> case....)

Thanks. I'll bring enough for everyone. I'd like to reconfiguare the
capsules for a thermal test on the March flight. We'll try the
heaters Doug suggested.

Paul

1862. Re: [tvnsp] T-shirts and VOI Newsletter

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-08 14:46:56 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1860 Message: 1862

I'll bring t-shirts and patches. Bring the article to the meeting, this way everyone can see it. Thanks for writing the article. I hope to see more of us writing these kinds of things.

<soapbox = on>
We need to write for ATV Quarterly. Several months ago I mentioned what topics I thought would be good. As far as I know, no one has written anything. Here's everyone's opportunity to write and be published, which is an awesome feeling. So how about it?
<soapbox = off>

Paul

> Paul, bring T-shirts too, I need at least 1 large, I got a guy from work wanting one....How much are they again?
>
> Also, I wrote an article for the upcoming VOI newsletter coming out in March, if you want to preview it let me know, I can send it to you as a Word document, or have it in print on Sunday at the next meeting.
>
> Mike KC7DPD
>

1863. Re: [tvnsp] T-shirts and VOI Newsletter

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-08 14:56:42 UTC
From: Mike Garske
Topic: 1860 Message: 1863

Ok, Paul......remind me what the topics for the ATV Quarterly were.....I'm on a roll writing for the VOI newsletter, keep me going!

Mike KC7DPD

----- Original Message -----
From: <verhap@...>
To: <tvnsp@yahoogroups.com>
Sent: Friday, February 08, 2002 7:46 AM
Subject: Re: [tvnsp] T-shirts and VOI Newsletter

> I'll bring t-shirts and patches. Bring the article to the meeting, this
> way everyone can see it. Thanks for writing the article. I hope to
> see more of us writing these kinds of things.
>
> <soapbox = on>
> We need to write for ATV Quarterly. Several months ago I
> mentioned what topics I thought would be good. As far as I know,
> no one has written anything. Here's everyone's opportunity to write
> and be published, which is an awesome feeling. So how about it?
> <soapbox = off>
>
> Paul
>
> > Paul, bring T-shirts too, I need at least 1 large, I got a guy from work wanting one....How much are they again?
> >
> > Also, I wrote an article for the upcoming VOI newsletter coming out in March, if you want to preview it let me know, I can send it to you as a Word document, or have it in print on Sunday at the next meeting.
> >
> > Mike KC7DPD
> >
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1864. Re: [tvnsp] T-shirts and VOI Newsletter

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-08 15:00:26 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1860 Message: 1864

> Ok, Paul......remind me what the topics for the ATV Quarterly were.....I'm
> on a roll writing for the VOI newsletter, keep me going!

Ummm, I should try guilt more often!

Thanks Mike. This goes to everyone else also. I gave ATVQ a
modified copy of the article for the Space 2002 conference I wrote.
It's just a basic outline of what amateur near space exploration is,
it's costs, and some data collected on past flights.

Gene Harlan would like to see a series of articles on how to create
a program. So we need to write about construction of the various
parts, assmebling them into a stack, proceedures for filling
balloons, tools required, APRS settings, predictions, chase, and
how to generally have a good time getting up at 4:00 aM on a
Saturday.

So please, everyone, pick a topic that interests you and begin
writing. Briong your work to the TVNSP meetings and everyone
will help you out.

Paul

1865. RE: [tvnsp] Friday's presentation

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-08 16:59:36 UTC
From: K7JPS - John
Topic: 1857 Message: 1865

Paul, I am planning on coming to this presentation. Your slides look good. If you would like me to augment your presentation, I might be able to pull together some additional info on flight predictions.

Also, if you will be home before going to the astronomy meeting tonight, could you bring some patches, and some Dacron strips for making the ring tabs?

John "the younger" Stone
K7JPS
-----Original Message-----
From: verhap@... [mailto:verhap@...]
Sent: Thursday, February 07, 2002 07:59
To: tvnsp@yahoogroups.com
Subject: [tvnsp] Friday's presentation

John, can you make it to the Astronomy Club meeting? Can anyone else? I'm attaching my slides and speaking notes. If anyone can attend the meeting, please let me know ASAP. I'd like to give others a chance to speak about TVNSP.

Paul

1866. RE: [tvnsp] Friday's presentation

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-08 17:09:43 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1857 Message: 1866

> Paul, I am planning on coming to this presentation. Your slides look good.
> If you would like me to augment your presentation, I might be able to pull
> together some additional info on flight predictions.

I'll be showing some videos along with the slides. How about if we
alternate on the slide show? I'll do one, then you do the next, etc.
The talk is focused on what is near space and how we ge there.
So on the predictions part, keep it at a level that explains what we
do, don't go into really deep detail.

> Also, if you will be home before going to the astronomy meeting tonight,
> could you bring some patches, and some Dacron strips for making the ring
> tabs?

I won't be going home, but I did bring patches (I hope to make a
few sales). I tossed my dacron into a parts box, so I'll remember
to bring it on Sunday.

I plan to be at DCI by 7:00, or 30 minutes early. Can you get there
that early? I'd like to run through a quick practice. The meeting is
held in the back of DCI. As you look at the front door, make a trun
to the left and walk around to the side entrance. It's all the way
back, near the back end of the building.

Can anyone else make the meeting? I'd like to give everyone a
chance to speak.

By the way, we have 30 to 45 minutes to talk. There will be a
presentation before us on the Astronomical League.

Paul

1867. Vinyl Stickers

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-08 17:21:59 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1867 Message: 1867

I looked into purchasing vinyl stickers, or bumper stickers. We can order 500 of them, in two colors (three if you count the color of the vinyl) for $375. That comes out to 75 cents per decal. The are 3.5 inches in diameter and durable.

Is anyone interested in getting TVNSP bumper stickers? I can't afford $375 now, but could after the cloth patches are sold.

If we order them, it takes about 4 weeks before we get them back.

Ideas? Inputs?

Paul?

1868. RE: [tvnsp] Friday's presentation

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-08 20:50:48 UTC
From: K7JPS - John
Topic: 1857 Message: 1868

I will be there at 7 pm. I have been working on an outline for the talk, gearing it towards an astronomers interest - clear skies, and good observations. It will focus on the why's of predicting, more then the how's. The total time of my talk will be 5 - 7 minutes.

John Stone
K7JPS
-----Original Message-----
From: verhap@... [mailto:verhap@...]
Sent: Friday, February 08, 2002 10:10
To: tvnsp@yahoogroups.com
Subject: RE: [tvnsp] Friday's presentation

> Paul, I am planning on coming to this presentation. Your slides look good.
> If you would like me to augment your presentation, I might be able to pull
> together some additional info on flight predictions.

I'll be showing some videos along with the slides. How about if we alternate on the slide show? I'll do one, then you do the next, etc. The talk is focused on what is near space and how we ge there. So on the predictions part, keep it at a level that explains what we do, don't go into really deep detail.

1869. RE: [tvnsp] Friday's presentation

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-08 21:30:56 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1857 Message: 1869

Sounds good, see you there. I plan to wear my TVNSP T-shirt.
Now that I think about it, I will be stopping at my apartment first. I'll
grab some dacron.

Paul

> I will be there at 7 pm. I have been working on an outline for the talk,
> gearing it towards an astronomers interest - clear skies, and good
> observations. It will focus on the why's of predicting, more then the how's.
> The total time of my talk will be 5 - 7 minutes.
>
> John Stone
> K7JPS
> -----Original Message-----
> From: verhap@... [mailto:verhap@...]
> Sent: Friday, February 08, 2002 10:10
> To: tvnsp@yahoogroups.com
> Subject: RE: [tvnsp] Friday's presentation
>
>
> > Paul, I am planning on coming to this presentation. Your slides look
> good.
> > If you would like me to augment your presentation, I might be able to
> pull
> > together some additional info on flight predictions.
>
> I'll be showing some videos along with the slides. How about if we
> alternate on the slide show? I'll do one, then you do the next, etc.
> The talk is focused on what is near space and how we ge there.
> So on the predictions part, keep it at a level that explains what we
> do, don't go into really deep detail.
>
>

1870. RE: [tvnsp] Friday's presentation

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-08 21:49:25 UTC
From: K7JPS - John
Topic: 1857 Message: 1870

I'll wear my T-shirt and bring my hand-held tracking station. I'll toss in my capsule that is still under construction for those that would like to have a look-see.

John
-----Original Message-----
From: verhap@... [mailto:verhap@...]
Sent: Friday, February 08, 2002 14:31
To: tvnsp@yahoogroups.com
Subject: RE: [tvnsp] Friday's presentation

Sounds good, see you there. I plan to wear my TVNSP T-shirt.
Now that I think about it, I will be stopping at my apartment first. I'll grab some dacron.

Paul

1871. Views of Earth

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-09 06:57:21 UTC
From: Bill Herrmann
Topic: 1871 Message: 1871

Check out these views of Earth!

http://earthobservatory.nasa.gov/Newsroom/BlueMarble/

1872. Re: [tvnsp] Vinyl Stickers

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-09 00:00:32 UTC
From: Mike Garske
Topic: 1867 Message: 1872

I like the bumper sticker idea!!

Mike KC7DPD
----- Original Message -----
From: <verhap@...>
To: <tvnsp@yahoogroups.com>
Sent: Friday, February 08, 2002 10:21 AM
Subject: [tvnsp] Vinyl Stickers

> I looked into purchasing vinyl stickers, or bumper stickers. We
> can order 500 of them, in two colors (three if you count the color of
> the vinyl) for $375. That comes out to 75 cents per decal. The are
> 3.5 inches in diameter and durable.
>
> Is anyone interested in getting TVNSP bumper stickers? I can't
> afford $375 now, but could after the cloth patches are sold.
>
> If we order them, it takes about 4 weeks before we get them back.
>
> Ideas? Inputs?
>
> Paul?
>
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1873. Re: [tvnsp] Vinyl Stickers

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-09 18:05:29 UTC
From: Zack Clobes
Topic: 1867 Message: 1873

If you made a generic "high-altitude ballooning" sticker, more of us down in Kansas may be interested.
----- Original Message -----
From: Mike Garske
To: tvnsp@yahoogroups.com
Sent: Friday, February 08, 2002 4:00 PM
Subject: Re: [tvnsp] Vinyl Stickers

I like the bumper sticker idea!!

Mike KC7DPD
----- Original Message -----
From: <verhap@...01.k12.id.us>
To: <tvnsp@yahoogroups.com>
Sent: Friday, February 08, 2002 10:21 AM
Subject: [tvnsp] Vinyl Stickers

> I looked into purchasing vinyl stickers, or bumper stickers. We
> can order 500 of them, in two colors (three if you count the color of
> the vinyl) for $375. That comes out to 75 cents per decal. The are
> 3.5 inches in diameter and durable.
>
> Is anyone interested in getting TVNSP bumper stickers? I can't
> afford $375 now, but could after the cloth patches are sold.
>
> If we order them, it takes about 4 weeks before we get them back.
>
> Ideas? Inputs?
>
> Paul?
>
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1874. Re: [tvnsp] Vinyl Stickers

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-09 17:22:11 UTC
From: Mark Conner
Topic: 1867 Message: 1874

Ditto for Nebraska.

- Mark
----- Original Message -----
From: Zack Clobes
To: tvnsp@yahoogroups.com
Sent: Saturday, February 09, 2002 12:05
Subject: Re: [tvnsp] Vinyl Stickers

If you made a generic "high-altitude ballooning" sticker, more of us down in Kansas may be interested.
----- Original Message -----
From: Mike Garske
To: tvnsp@yahoogroups.com
Sent: Friday, February 08, 2002 4:00 PM
Subject: Re: [tvnsp] Vinyl Stickers

I like the bumper sticker idea!!

Mike KC7DPD
----- Original Message -----
From: <verhap@...>
To: <tvnsp@yahoogroups.com>
Sent: Friday, February 08, 2002 10:21 AM
Subject: [tvnsp] Vinyl Stickers

> I looked into purchasing vinyl stickers, or bumper stickers. We
> can order 500 of them, in two colors (three if you count the color of
> the vinyl) for $375. That comes out to 75 cents per decal. The are
> 3.5 inches in diameter and durable.
>
> Is anyone interested in getting TVNSP bumper stickers? I can't
> afford $375 now, but could after the cloth patches are sold.
>
> If we order them, it takes about 4 weeks before we get them back.
>
> Ideas? Inputs?
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> Paul?
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1875. RE: [tvnsp] Friday's presentation

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-09 18:58:45 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1857 Message: 1875

The presentation went well. It was a bit longer than I thought it would be, but no one was trying to leave.

We need more speaking opportunities. We didn't sell any patches, but did sell 2 t-shirts. That's $10 for the balloon fund. I'll bring it to the VOI meeting Wednesday. Mike, how'd we do at the board meeting?

Paul

1876. Star Party

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-09 19:15:58 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1876 Message: 1876

For anyone interested, BAS will hold a star party at Black's Creek. It's exit 64, I believe. Anyhow, the exit well marked. To get htere take I-84 like you were going to Mt. Home. After passing Micron and the rest of Boise, start looking for the exit. Exit the interstate and drive under the interstate (go north). The site is about 1/2 to 1 mile off the interstate, on your right (east). You'll need to drive the last bit without your headlights. Astronomers get a bit upset when people drive into the site with their headlights shining into their eyes.

If it's not dark or if it's cloudy, don't go!

Paul

1877. Bumper Stickers

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-09 19:34:17 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1877 Message: 1877

Interest has been expressed for a generic ballooning bumper sticker. For some reason people outside of Idaho don't find a TVNSP bumper sticker as appealling (go figure).

Please send suggestions for a design. Originally, I was going to have a 3.3" vinyl sticker made in three colors (two inks and the white background of the sticker). The design was the TVNSP logo.

I'd be happy to develop a more "universal" design, but would like some input. The TVNSP design incorporates a balloon, a curved horizon, Idaho, and some stars. It also has the name of the program written around the edge.

I figure the new design must have a balloon and payload (that will be in white). I think we should have black skies and a horizon. But this may get us too close to the EOSS emblem. Variations?

What about the wording? I think the word amateur should be in it. What about Near Space? Do we incorporate Amateur Radio into the text? I figure the text will be in black.

If I order 500 of these, the cost will be 75 cents per sticker. If I order 1000 of them, the price is even less.

For the same price, the sticker can be 3 by 4 inches, so the design it doesn't have to be round.

If I order 1000 of these, can I get committments from other groups to buy at least 100 of them up front? I don't want to have lots of my money tied up in trying to sell a thousand stickers.

How about a balloon over the USA with a few stars in a curved row at the 2 o'clock position? At the 8 o'clock position would be Amateur Near Space, also in a curved row? The design is for a round patch.

By the way, we can also get a larger diameter patch. I'll get some prices and email them.

Paul

1878. Re: [tvnsp] Bumper Stickers

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-09 19:58:41 UTC
From: Tony Barrett
Topic: 1877 Message: 1878
Attachments: 2 described; binary payloads are missing from this source WARC

Hey Paul,

Did you know there is bumper sticker paper designed specifically to be fed through a laser printer? The Women's Challenge makes bumper stickers out of this material all the time. They just buy the blank vinyl stock on a carrier sheet in various colors (white, yellow, orange) and print what they need on demand. That way they only have to stock the blank media and they never have to worry about getting stuck with stickers that don't sell. And with color laser printers not all that uncommon ... These bumper stickers are extremely durable. I know they ordered the black stock from some place here in town. I could check into it if you like.

You could buy some blank stock, make up some designs, copy the files onto a CD or floppy, and take them down to Kinkos for color laser printing and still get a good price if you print three to five per sheet.

I work testing commercial color printing presses everyday. Maybe we could print the bumper stickers while testing other things.

Anyway, you might want to check out some other options before spending hundreds of dollars on 1000 identical stickers. I'll bet we can do better than 50 cents per sticker and only have to spend $50 on a box of blank laser printer stock.

CUL,

Tony

At 12:34 PM 2/9/02 -0700, you wrote:
>Interest has been expressed for a generic ballooning bumper
>sticker. For some reason people outside of Idaho don't find a
>TVNSP bumper sticker as appealling (go figure).
>
>Please send suggestions for a design. Originally, I was going to
>have a 3.3" vinyl sticker made in three colors (two inks and the
>white background of the sticker). The design was the TVNSP logo.
>
>I'd be happy to develop a more "universal" design, but would like
>some input. The TVNSP design incorporates a balloon, a curved
>horizon, Idaho, and some stars. It also has the name of the
>program written around the edge.
>
>I figure the new design must have a balloon and payload (that will
>be in white). I think we should have black skies and a horizon.
>But this may get us too close to the EOSS emblem. Variations?
>

>What about the wording? I think the word amateur should be in it.
>What about Near Space? Do we incorporate Amateur Radio into
>the text? I figure the text will be in black.
>
>If I order 500 of these, the cost will be 75 cents per sticker. If I
>order 1000 of them, the price is even less.
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>For the same price, the sticker can be 3 by 4 inches, so the
>design it doesn't have to be round.
>
>If I order 1000 of these, can I get committments from other groups
>to buy at least 100 of them up front? I don't want to have lots of my
>money tied up in trying to sell a thousand stickers.
>
>How about a balloon over the USA with a few stars in a curved row
>at the 2 o'clock position? At the 8 o'clock position would be
>Amateur Near Space, also in a curved row? The design is for a
>round patch.
>
>By the way, we can also get a larger diameter patch. I'll get some
>prices and email them.
>
>Paul
>
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1879. Materials

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-09 20:35:58 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1879 Message: 1879

I've ordered some kite string and fiberglass rods. The string is for shroud lines and the rods are for the radar reflector. At the last meeting, John and I started building the radar reflector out of 1/2" foam. I think we can make a lighter one from a fiberglass rod frame and taping the space blanket to the rods. This leaves the blanket vunerable to tears and puched holes if something pokes through it durning landing. A mini capsule will house the cutdown reciever and audio beacon. The capsule will be mounted to the top of the reflector.

Paul

1880. Re: [tvnsp] Bumper Stickers

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-10 01:41:13 UTC
From: Hank Riley
Topic: 1877 Message: 1880

--- Tony Barrett <tonybarrett@...> wrote:

They just buy the blank vinyl stock on a carrier sheet
in various colors (white, yellow, orange) and print what
they need on demand. That way they only have to stock the
blank media and they never have to worry about getting stuck
with stickers that don't sell.

Paul,

It's your money, but it seems with the patches and tee
shirts not exactly flying off the shelves it might be
prudent to hold up on another multi-hundred dollar
expenditure on these enjoyable but limited demand
souvenir items.

Tony's laser printer method sounds promising.

By the way, now that the patch company has digitized the
logo design, could you please upload that image sometime
to the TVNSP file area?

I still have Mike's image of the tee-shirt logo.

Hank

_____
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1881. Re: [tvnsp] Bumper Stickers

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-10 15:57:10 UTC
From: Tim Rynearson
Topic: 1877 Message: 1881
Attachments: 4 described; binary payloads are missing from this source WARC

Paul, Tony.....
International Paper also makes vinyl bumper sticker stock under the invent it!" logo that is for use specifically with inkjet printers (in fact, it says 'do not use with laser printers or copy machines' right on the back of the package) and can be found at Walmart. I have had good experience with the durability and the print seems to last a good long while. I don't remember the cost, however, but just thought I'd throw out another option.

Tim

-------Original Message-------

From:tvnsp@yahoogroups.com
Date: Saturday, February 09, 2002 12:37:34 PM
To:tvnsp@yahoogroups.com
Subject: Re: [tvnsp] Bumper Stickers

Hey Paul,

Did you know there is bumper sticker paper designed specifically to be fed through a laser printer? The Women's Challenge makes bumper stickers out of this material all the time. They just buy the blank vinyl stock on a carrier sheet in various colors (white, yellow, orange) and print what they need on demand. That way they only have to stock the blank media and they never have to worry about getting stuck with stickers that don't sell. And with color laser printers not all that uncommon ... These bumper stickers are extremely durable. I know they ordered the black stock from some place here in town. I could check into it if you like.

You could buy some blank stock, make up some designs, copy the files onto a CD or floppy, and take them down to Kinkos for color laser printing and still get a good price if you print three to five per sheet.

I work testing commercial color printing presses everyday. Maybe we could print the bumper stickers while testing other things.

Anyway, you might want to check out some other options before spending hundreds of dollars on 1000 identical stickers. I'll bet we can do better than 50 cents per sticker and only have to spend $50 on a box of blank laser printer stock.

CUL,

Tony

At 12:34 PM 2/9/02 -0700, you wrote:

Interest has been expressed for a generic ballooning bumper sticker. For some reason people outside of Idaho don't find a TVNSP bumper sticker as appealling (go figure).

Please send suggestions for a design. Originally, I was going to have a 3.3" vinyl sticker made in three colors (two inks and the white background of the sticker). The design was the TVNSP logo.

I'd be happy to develop a more "universal" design, but would like some input. The TVNSP design incorporates a balloon, a curved horizon, Idaho, and some stars. It also has the name of the program written around the edge.

I figure the new design must have a balloon and payload (that will be in white). I think we should have black skies and a horizon. But this may get us too close to the EOSS emblem. Variations?

What about the wording? I think the word amateur should be in it. What about Near Space? Do we incorporate Amateur Radio into the text? I figure the text will be in black.

If I order 500 of these, the cost will be 75 cents per sticker. If I order 1000 of them, the price is even less.

For the same price, the sticker can be 3 by 4 inches, so the design it doesn't have to be round.

If I order 1000 of these, can I get committments from other groups to buy at least 100 of them up front? I don't want to have lots of my money tied up in trying to sell a thousand stickers.

How about a balloon over the USA with a few stars in a curved row at the 2 o'clock position? At the 8 o'clock position would be Amateur Near Space, also in a curved row? The design is for a round patch.

By the way, we can also get a larger diameter patch. I'll get some prices and email them.

Paul

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1882. Re: [tvnsp] Bumper Stickers

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-10 21:05:24 UTC
From: Tony Barrett
Topic: 1877 Message: 1882
Attachments: 5 described; binary payloads are missing from this source WARC

Tim,

I thought about inkjet, but with the ink being water based, how does it handle the exposure to water its likely to get sitting on a car bumper?

If it works it sounds like a good idea. Do you overcoat it with something like a clear lacquer spray or a clear vinyl sheet?

Tony

At 08:57 AM 2/10/02 -0700, you wrote:
>Paul, Tony.....
> International Paper also makes vinyl bumper sticker stock under the
> "invent it!" logo that is for use specifically with inkjet printers (in
> fact, it says 'do not use with laser printers or copy machines' right on
> the back of the package) and can be found at Walmart. I have had good
> experience with the durability and the print seems to last a good long
> while. I don't remember the cost, however, but just thought I'd throw out
> another option.
>
>Tim
>
>-------Original Message-------
>
>From:<mailto:tvnsp@yahoogroups.com>tvnsp@yahoogroups.com
>Date: Saturday, February 09, 2002 12:37:34 PM
>To:<mailto:tvnsp@yahoogroups.com>tvnsp@yahoogroups.com
>Subject: Re: [tvnsp] Bumper Stickers
>
>Hey Paul,
>
>Did you know there is bumper sticker paper designed specifically to be fed
>through a laser printer? The Women's Challenge makes bumper stickers out
>of this material all the time. They just buy the blank vinyl stock on a
>carrier sheet in various colors (white, yellow, orange) and print what
>they need on demand. That way they only have to stock the blank media and
>they never have to worry about getting stuck with stickers that don't
>sell. And with color laser printers not all that uncommon ... These
>bumper stickers are extremely durable. I know they ordered the black
>stock from some place here in town. I could check into it if you like.
>
>You could buy some blank stock, make up some designs, copy the files onto
>a CD or floppy, and take them down to Kinkos for color laser printing and
>still get a good price if you print three to five per sheet.
>

>I work testing commercial color printing presses everyday. Maybe we could
>print the bumper stickers while testing other things.
>
>Anyway, you might want to check out some other options before spending
>hundreds of dollars on 1000 identical stickers. I'll bet we can do better
>than 50 cents per sticker and only have to spend $50 on a box of blank
>laser printer stock.
>
>CUL,
>
>Tony
>
>At 12:34 PM 2/9/02 -0700, you wrote:
>>Interest has been expressed for a generic ballooning bumper
>>sticker. For some reason people outside of Idaho don't find a
>>TVNSP bumper sticker as appealling (go figure).
>>
>>Please send suggestions for a design. Originally, I was going to
>>have a 3.3" vinyl sticker made in three colors (two inks and the
>>white background of the sticker). The design was the TVNSP logo.
>>
>>I'd be happy to develop a more "universal" design, but would like
>>some input. The TVNSP design incorporates a balloon, a curved
>>horizon, Idaho, and some stars. It also has the name of the
>>program written around the edge.
>>
>>I figure the new design must have a balloon and payload (that will
>>be in white). I think we should have black skies and a horizon.
>>But this may get us too close to the EOSS emblem. Variations?
>>
>>What about the wording? I think the word amateur should be in it.
>>What about Near Space? Do we incorporate Amateur Radio into
>>the text? I figure the text will be in black.
>>
>>If I order 500 of these, the cost will be 75 cents per sticker. If I
>>order 1000 of them, the price is even less.
>>
>>For the same price, the sticker can be 3 by 4 inches, so the
>>design it doesn't have to be round.
>>
>>If I order 1000 of these, can I get committments from other groups
>>to buy at least 100 of them up front? I don't want to have lots of my
>>money tied up in trying to sell a thousand stickers.
>>
>>How about a balloon over the USA with a few stars in a curved row
>>at the 2 o'clock position? At the 8 o'clock position would be
>>Amateur Near Space, also in a curved row? The design is for a
>>round patch.
>>
>>By the way, we can also get a larger diameter patch. I'll get some

>>prices and email them.
>>
>>Paul
>>
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1883. Re: [tvnsp] Bumper Stickers

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-11 14:39:51 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1877 Message: 1883

> By the way, now that the patch company has digitized the
> logo design, could you please upload that image sometime
> to the TVNSP file area?
>
> I still have Mike's image of the tee-shirt logo.

They didn't digitize it like I asked. They scanned it off the t-shirt I brought them.

I'll see if someone can create the logo from scratch.

Paul

1884. RE: [tvnsp] Star Party

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-11 16:26:37 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 1876 Message: 1884

What day is (was) this? Sounds fun.

-----Original Message-----
From: verhap@... [mailto:verhap@...]
Sent: Saturday, February 09, 2002 5:16 AM
To: tvnsp@yahoogroups.com
Subject: [tvnsp] Star Party

For anyone interested, BAS will hold a star party at Black's Creek.
It's exit 64, I believe. Anyhow, the exit well marked. To get htere
take I-84 like you were going to Mt. Home. After passing Micron
and the rest of Boise, start looking for the exit. Exit the interstate
and drive under the interstate (go north). The site is about 1/2 to 1
mile off the interstate, on your right (east). You'll need to drive the
last bit without your headlights. Astronomers get a bit upset when
people drive into the site with their headlights shining into their
eyes.

If it's not dark or if it's cloudy, don't go!

Paul

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ng.yahoo.com/promotions/flowers/index.html>

<http://us.adserver.yahoo.com/l?M=221000.1882886.3382503.1261774/D=egroupmai
l/S=1705083281:HM/A=965714/rand=376576445>

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1885. RE: [tvnsp] Star Party

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-11 20:55:07 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 1876 Message: 1885

When is this star party?

Also, keep in mind that some Western astronomers carry a gun as a remote vehicle light turner-off device. >:->

Bill B.

-----Original Message-----
From: verhap@... [mailto:verhap@...]
Sent: Saturday, February 09, 2002 5:16 AM
To: tvnsp@yahoogroups.com
Subject: [tvnsp] Star Party

For anyone interested, BAS will hold a star party at Black's Creek. It's exit 64, I believe. Anyhow, the exit well marked. To get htere take I-84 like you were going to Mt. Home. After passing Micron and the rest of Boise, start looking for the exit. Exit the interstate and drive under the interstate (go north). The site is about 1/2 to 1 mile off the interstate, on your right (east). You'll need to drive the last bit without your headlights. Astronomers get a bit upset when people drive into the site with their headlights shining into their eyes.

If it's not dark or if it's cloudy, don't go!

Paul

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1886. "Severe-weather" balloons from Kaymont

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-11 20:57:08 UTC
From: Mark Conner
Topic: 1886 Message: 1886

I found out recently that Kaymont makes a series of balloons that are designed for severe weather observations. Supposedly they're tougher than the regular ones. They come in 800g and 1000g weights, maybe more. They're designated as KCI-800N and KCI-1000N. Not sure of the performance comparison. Cost is about the same. They have the "NWS standard" neck size, which is larger than the usual Kaymonts.

I'll be using one of them for the NSTAR launch at the Central Plains Severe Weather Symposium, courtesy of the NWS Omaha/Valley office and will report on how they work after that.

- Mark

1887. RE: [tvnsp] Star Party

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-11 21:23:51 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1876 Message: 1887

It was last Saturday. I'll notify the group about the March star party
Paul

> When is this star party?
>
> Also, keep in mind that some Western astronomers carry a gun as a remote
> vehicle light turner-off device. >:->
>
> Bill B.
>
> -----Original Message-----
> From: verhap@... [mailto:verhap@...]
> Sent: Saturday, February 09, 2002 5:16 AM
> To: tvnsp@yahoogroups.com
> Subject: [tvnsp] Star Party
>
>
> For anyone interested, BAS will hold a star party at Black's Creek.
> It's exit 64, I believe. Anyhow, the exit well marked. To get htere
> take I-84 like you were going to Mt. Home. After passing Micron
> and the rest of Boise, start looking for the exit. Exit the interstate
> and drive under the interstate (go north). The site is about 1/2 to 1
> mile off the interstate, on your right (east). You'll need to drive the
> last bit without your headlights. Astronomers get a bit upset when
> people drive into the site with their headlights shining into their
> eyes.
>
> If it's not dark or if it's cloudy, don't go!
>
> Paul
>
>
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>
>
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>
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>

1888. Re: [tvnsp] "Severe-weather" balloons from Kaymont

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-11 21:36:54 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1886 Message: 1888

Are they sure to burst? Is there a chance they'd become neutrally
bouyant?

Paul

> I found out recently that Kaymont makes a series of balloons that are
> designed for severe weather observations. Supposedly they're tougher
> than the regular ones. They come in 800g and 1000g weights, maybe
> more. They're designated as KCI-800N and KCI-1000N. Not sure of the
> performance comparison. Cost is about the same. They have the "NWS
> standard" neck size, which is larger than the usual Kaymonts.
>
> I'll be using one of them for the NSTAR launch at the Central Plains
> Severe Weather Symposium, courtesy of the NWS Omaha/Valley office and
> will report on how they work after that.
>
> - Mark
>
>
>
>
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1889. Re: [tvnsp] "Severe-weather" balloons from Kaymont

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-12 00:42:24 UTC
From: Hank Riley
Topic: 1886 Message: 1889

PV> Are they sure to burst? Is there a chance they'd become
PV> neutrally bouyant?
>
PV> Paul
>
MC> > I found out recently that Kaymont makes a series of balloons
MC> >that are designed for severe weather observations. Supposedly
MC> >they're tougher than the regular ones. They come in 800g and
MC> >1000g weights, maybe .....

[snip]

Mark,

You want to be careful with these. Ironically, if these are
made with a thicker envelope, which I think they are, an 800
gram "tough" balloon may actually burst at a *lower* altitude
than a regular (thin envelope) balloon.

I can discuss with you off list about how that works as far
as the several variables involved in burst height.

Part of it is that a heavier balloon skin will result
in a smaller uninflated size, which in turn heavily
influences how much it can expand before reaching the
burst point.

One may ask what the point of a heavier skin balloon is
if it bursts at a lower height. The answer is that before
it bursts it can stand more thrashing about in the
atmosphere.

The thing is, with amateur balloon launches, we don't
launch in *bad weather* anyway on the ground. I'd
generally recommend not using these balloons in general
on amateur launches since the regular skin thickness has been
found to be adequate.

Hank

_____
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1890. Re: [tvnsp] "Severe-weather" balloons from Kaymont

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-12 00:38:21 UTC
From: Mark Conner
Topic: 1886 Message: 1890

Given that NWS is unlikely to want neutrally-buoyant radiosondes floating about, I would assume their probability of bursting is about like the regular latex balloons. But I'll drop Kaymont a note and ask.

- Mark
----- Original Message -----
From: verhap@...
To: tvnsp@yahoogroups.com
Sent: Monday, February 11, 2002 15:36
Subject: Re: [tvnsp] "Severe-weather" balloons from Kaymont

Are they sure to burst? Is there a chance they'd become neutrally bouyant?

Paul

> I found out recently that Kaymont makes a series of balloons that are
> designed for severe weather observations. Supposedly they're tougher
> than the regular ones. They come in 800g and 1000g weights, maybe
> more. They're designated as KCI-800N and KCI-1000N. Not sure of the
> performance comparison. Cost is about the same. They have the "NWS
> standard" neck size, which is larger than the usual Kaymonts.
>
> I'll be using one of them for the NSTAR launch at the Central Plains
> Severe Weather Symposium, courtesy of the NWS Omaha/Valley office and
> will report on how they work after that.
>
> - Mark
>

1891. Re: [tvnsp] "Severe-weather" balloons from Kaymont

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-12 17:59:21 UTC
From: Rick Widmer
Topic: 1886 Message: 1891

>
> I can discuss with you off list about how that works as far
> as the several variables involved in burst height.
>

Why off list? I'd be interested in hearing the story...

Rick

1892. Re: [tvnsp] "Severe-weather" balloons from Kaymont

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-12 21:10:19 UTC
From: Hank Riley
Topic: 1886 Message: 1892

> > I can discuss with you off list about how that works as far
> > as the several variables involved in burst height.
> >
>
> Why off list? I'd be interested in hearing the story...
>
>
> Rick

I first thought it might not be too interesting, and it's
speculative on my part not having the Kaymont specs.

When I got an email from Mark last night it seemed
what Mark said was definitely of general list interest,
so here it is:

MC> I'm not too concerned about a lower-altitude burst, and since
MC> the symposium has made this launch such a feature, I'd rather
MC> use something that can take some stress and abuse while on the
MC> ground should it be windy that day.

MC> Plus, it's a free balloon from NWS (and free helium, too).

That's all great when the stuff is free!

MC> I figured it would be a lower burst altitude, but NWS says
MC> they get 28,000 meters (91,000 ft) with their 800g balloons
MC> and a radiosonde payload. This compares to about 32,000m for
MC> a standard 800g balloon.

Okay, that's the effect I thought would be apparent, but it's
not a huge difference (but still over 12,000 feet). Just wanted
to point out that the max. altitude might be compromised.

I'd like to get the uninflated and burst dimensions on those
tough models from Kaymont, but the only special balloons listed
on its website are the cold weather ones (different latex
formulation).

Hank

_____
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1893. need an IC

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-12 22:02:53 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 1893 Message: 1893

I want to buy the SSI-202 (DTMF decoder chip)
I am having trouble finding a place to purchase online...

I also need a 3.579545 MHz crystal to use this IC....
Can someone recommend a website?

1894. Re: [tvnsp] need an IC

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-13 02:24:41 UTC
From: Zack Clobes
Topic: 1893 Message: 1894

I found a place in Texas - some surplus place. I may be able to come up with a name tomorrow.
----- Original Message -----
From: RITZENTHALER,DAVID (HP-Boise,ex1)
To: 'tvnsp@yahoogroups.com'
Sent: Tuesday, February 12, 2002 2:02 PM
Subject: [tvnsp] need an IC

I want to buy the SSI-202 (DTMF decoder chip)
I am having trouble finding a place to purchase online...

I also need a 3.579545 MHz crystal to use this IC....
Can someone recommend a website?

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1895. Need that PowerPoint presentation

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-13 00:25:56 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 1895 Message: 1895

Hey Paul,
For a BSU class project I'm going to build a NEAR craft controller (BS2 based, DTMF controllable, data collection, transmitting via AX25, cut down device...).
Can I get that PowerPoint presentation you made? I'll probably have to hack it down to 2 minutes, but at least they would have a clue what a NEAR craft looks like, and the basic motivation for building this thing...

Thanks
Dave

-----Original Message-----
From: Zack Clobes [mailto:zclobes@...]
Sent: Tuesday, February 12, 2002 7:25 PM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] need an IC

I found a place in Texas - some surplus place. I may be able to come up with a name tomorrow.

----- Original Message -----
From: RITZENTHALER,DAVID <mailto:david_ritzenthaler@...> (HP-Boise,ex1)
To: 'tvnsp@yahoogroups.com' <mailto:'tvnsp@yahoogroups.com'>
Sent: Tuesday, February 12, 2002 2:02 PM
Subject: [tvnsp] need an IC

I want to buy the SSI-202 (DTMF decoder chip)
I am having trouble finding a place to purchase online...

I also need a 3.579545 MHz crystal to use this IC....
Can someone recommend a website?

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1896. Re: [tvnsp] need an IC

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-12 22:44:07 UTC
From: Rick Widmer
Topic: 1893 Message: 1896

> "RITZENTHALER,DAVID (HP-Boise,ex1)" wrote:
>
> I want to buy the SSI-202 (DTMF decoder chip)
> I am having trouble finding a place to purchase online...

It looks like this is an obsolete part from a company that
is out of business, but you may be lucky: (see note)

Company
B. G. Micro
PO Box 280298
Dallas, Texas 75228
Tel: 1-800-276-2206 USA Only
972-271-5546
Fax: 972-271-2462
Email: bgmicro@...
http://www.bgmicro.com/
Products and Services
ALTERNATIVE POWER>SOLAR PANEL; BATTERY>RECHARGABLE
ALKALINE
BATTERY; POWER SUPPLY; COMPONENT>SWITCH; TEST
EQUIPMENT>COUNTER;
COMPONENT>INTEGRATED CIRCUIT; COMPONENT>TRANSFORMER;
COMPONENT>WIRE
OR CABLE; COMPUTER>SOFTWARE; COMPUTER>COMPUTER HARDWARE;
COMPONENT>CRYSTAL; COMPUTER>EPROM PROGRAMMER;
COMPONENT>RELAY;
COMPONENT>RF COILS/COIL CORES; COMPONENT>COMPONENT SUPPLIER;
APPEARS IN
ARRL HANDBOOK;
Notes
The old SSI (Silicon Systems Inc.) DTMF decoder ICs
(SSI202, 203, 204) that appear in a number of past ARRL
projects are available in single quantities

If you don't have to match an existing board layout you may
want to look at things like the Motorola MC145436, Teltone
8870 or the Harris CD22202.

JDR (www.jdr.com) has the Motorola MC145436 for $3.49

> I also need a 3.579545 MHz crystal to use this IC....
> Can someone recommend a website?

I have a few of these that have been gathering dust for years. Email me an address and I'll send you a couple.

Rick

P.S. When you need to find _anything_ on the web, Google is the place to start...

http://www.google.com

1897. Re: [tvnsp] need an IC

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-13 01:27:30 UTC
From: Tony Barrett
Topic: 1893 Message: 1897
Attachments: 2 described; binary payloads are missing from this source WARC

Did you try Mouser Electronics? I'm sure they have the crystal, and likely
the DTMF decoder chip too.

At 02:02 PM 2/12/02 -0800, you wrote:
>I want to buy the SSI-202 (DTMF decoder chip)
>I am having trouble finding a place to purchase online...
>
>I also need a 3.579545 MHz crystal to use this IC....
>Can someone recommend a website?
>
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><http://rd.yahoo.com/M=221000.1882886.3382503.1261774/D=egroupweb/S=1705083281:HM/A=965713/R=0/O=1/I=brandr-promo-flowersale-alerts-lrecg/*http://shopping.yahoo.com/promotions/flowers/index.html>4eeefeb.jpg
>4eef159.jpg
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1898. Re: [tvnsp] Need that PowerPoint presentation

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-13 14:33:04 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1895 Message: 1898

I'll bring a copy to work.

Paul

1899. modem chip

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-13 17:03:01 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 1899 Message: 1899

Hey Paul,
I seem to remember you have a chip setup to do AX25 AFSK
modulation...
then you just feed the audio output of that to a radio.... I would like to
play with modem chips as well... Thus, the basic stamp could compile all
data
and send it to the modem chip..... otherwise I could use a normal TNC in
transparent
mode I suppose.....

--
David Ritzenthaler - Hardware Design Engr.
208.396.3618 - david_ritzenthaler@...
Hewlett-Packard - 11311 Chinden Boulevard
Mail stop 135 - Boise, ID 83714-1021

1900. Re: [tvnsp] modem chip

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-13 17:00:20 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1899 Message: 1900

I use the MIM Module. It has a PIC that accepts text data,
packetizes it, figures the CRCs and then opens the radio and
generates the audio tones. I bought mine from the APRS website.

Paul

> Hey Paul,
> I seem to remember you have a chip setup to do AX25 AFSK
> modulation...
> then you just feed the audio output of that to a radio.... I would like to
> play with modem chips as well... Thus, the basic stamp could compile all
> data
> and send it to the modem chip..... otherwise I could use a normal TNC in
> transparent
> mode I suppose.....
>
>
> --
> David Ritzenthaler - Hardware Design Engr.
> 208.396.3618 - david_ritzenthaler@...
> Hewlett-Packard - 11311 Chinden Boulevard
> Mail stop 135 - Boise, ID 83714-1021
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1901. RE: [tvnsp] modem chip

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-13 17:30:44 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 1899 Message: 1901

Is it just me or do those cost 83 bucks?
Throw in another 20 bucks and I could get a real TNC. :)
It's a 6 dollar pic chip for crying out loud.

-----Original Message-----
From: verhap@... [mailto:verhap@...]
Sent: Wednesday, February 13, 2002 3:00 AM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] modem chip

I use the MIM Module. It has a PIC that accepts text data,
packetizes it, figures the CRCs and then opens the radio and
generates the audio tones. I bought mine from the APRS website.

Paul

> Hey Paul,
> I seem to remember you have a chip setup to do AX25 AFSK
> modulation...
> then you just feed the audio output of that to a radio.... I would like
to
> play with modem chips as well... Thus, the basic stamp could compile all
> data
> and send it to the modem chip..... otherwise I could use a normal TNC in
> transparent
> mode I suppose.....
>
>
> --
> David Ritzenthaler - Hardware Design Engr.
> 208.396.3618 - david_ritzenthaler@...
> Hewlett-Packard - 11311 Chinden Boulevard
> Mail stop 135 - Boise, ID 83714-1021
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1902. RE: [tvnsp] modem chip

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-13 18:12:39 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1899 Message: 1902

Yep, sucks, doesn't it.
The Tiny Trak II is cheaper, but only sends posits. Would you be
interested in designing a cheaper TNC for flight computers?

Paul

> Is it just me or do those cost 83 bucks?
> Throw in another 20 bucks and I could get a real TNC. :)
> It's a 6 dollar pic chip for crying out loud.
>
>
>
> -----Original Message-----
> From: verhap@... [mailto:verhap@...]
> Sent: Wednesday, February 13, 2002 3:00 AM
> To: tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] modem chip
>
>
> I use the MIM Module. It has a PIC that accepts text data,
> packetizes it, figures the CRCs and then opens the radio and
> generates the audio tones. I bought mine from the APRS website.
>
> Paul
>
> > Hey Paul,
> > I seem to remember you have a chip setup to do AX25 AFSK
> > modulation...
> > then you just feed the audio output of that to a radio.... I would like
> to
> > play with modem chips as well... Thus, the basic stamp could compile all
> > data
> > and send it to the modem chip..... otherwise I could use a normal TNC in
> > transparent
> > mode I suppose.....
> >
> >
> > --
> > David Ritzenthaler - Hardware Design Engr.
> > 208.396.3618 - david_ritzenthaler@...
> > Hewlett-Packard - 11311 Chinden Boulevard
> > Mail stop 135 - Boise, ID 83714-1021
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1903. RE: [tvnsp] modem chip

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-13 18:23:56 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 1899 Message: 1903

that's a tall order...
building packets.... I would have allot to learn about AX25.. that seems
like the hard part.
checksums would be easy...
serial sending would be easy...

I wonder if its patented? If i build it, what are the chances I would NOT
be able
to freely distribute it?

-----Original Message-----
From: verhap@... [mailto:verhap@...]
Sent: Wednesday, February 13, 2002 4:13 AM
To: tvnsp@yahoogroups.com
Subject: RE: [tvnsp] modem chip

Yep, sucks, doesn't it.
The Tiny Trak II is cheaper, but only sends posits. Would you be
interested in designing a cheaper TNC for flight computers?

Paul

> Is it just me or do those cost 83 bucks?
> Throw in another 20 bucks and I could get a real TNC. :)
> It's a 6 dollar pic chip for crying out loud.
>
>
>
> -----Original Message-----
> From: verhap@... [mailto:verhap@...]
> Sent: Wednesday, February 13, 2002 3:00 AM
> To: tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] modem chip
>
>
> I use the MIM Module. It has a PIC that accepts text data,
> packetizes it, figures the CRCs and then opens the radio and
> generates the audio tones. I bought mine from the APRS website.
>
> Paul
>
> > Hey Paul,
> > I seem to remember you have a chip setup to do AX25 AFSK
> > modulation...
> > then you just feed the audio output of that to a radio.... I would like
> to

> > play with modem chips as well... Thus, the basic stamp could compile
all
> > data
> > and send it to the modem chip..... otherwise I could use a normal TNC in
> > transparent
> > mode I suppose.....
> >
> >
> > --
> > David Ritzenthaler - Hardware Design Engr.
> > 208.396.3618 - david_ritzenthaler@...
> > Hewlett-Packard - 11311 Chinden Boulevard
> > Mail stop 135 - Boise, ID 83714-1021
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id=39249818&bfpage=moneyyahoo4>

<http://us.adserver.yahoo.com/l?M=217097.1884387.3381019.1261774/D=egroupmai
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1904. Re: [tvnsp] modem chip

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-13 19:03:26 UTC
From: Hank Riley
Topic: 1899 Message: 1904

> I use the MIM Module. It has a PIC that accepts text data,
> packetizes it, figures the CRCs and then opens the radio and
> generates the audio tones. I bought mine from the APRS website.
>
> Paul

Paul,

Isn't one of the drawbacks of the MIM that it actually
doesn't accept all text data, and that you have to trick
it into sending some of the text that you've been
successful so far in doing? That text being generated
by the BS2.

The expense of the MIM, and the inflexibility of the MIM
and Tinytrak are the reasons why I'm designing a balloon
packet assembler, and there may be others on list doing
same. It would have no restrictions on text format that
it would packetize.

Hank

Hankto

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1905. RE: [tvnsp] modem chip

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-13 19:06:08 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 1899 Message: 1905

Hank,
Do you have a webpage for this project? I'd like to see what your choice of solution is and where it's at...
Is it Pic based?
Thanks.

-----Original Message-----
From: Hank Riley [mailto:n1ltv@...]
Sent: Wednesday, February 13, 2002 12:03 PM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] modem chip

> I use the MIM Module. It has a PIC that accepts text data,
> packetizes it, figures the CRCs and then opens the radio and
> generates the audio tones. I bought mine from the APRS website.
>
> Paul

Paul,

Isn't one of the drawbacks of the MIM that it actually doesn't accept all text data, and that you have to trick it into sending some of the text that you've been successful so far in doing? That text being generated by the BS2.

The expense of the MIM, and the inflexibility of the MIM and Tinytrak are the reasons why I'm designing a balloon packet assembler, and there may be others on list doing same. It would have no restrictions on text format that it would packetize.

Hank

Hankto

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1906. balloon transparent packet assembler

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-13 19:10:57 UTC
From: Hank Riley
Topic: 1899 Message: 1906

> I wonder if its patented? If i build it, what are the chances I
> would NOT be able to freely distribute it?

David,

No problem since there are several send only TNCs around
already. The problem that prevents their application in this
circumstance is that all of them place restrictions on what
text is accepted to be packetized.

Hank

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1907. RE: [tvnsp] modem chip

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-13 19:10:41 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1899 Message: 1907

> that's a tall order...
> building packets.... I would have allot to learn about AX25.. that seems
> like the hard part.
> checksums would be easy...
> serial sending would be easy...
>
> I wonder if its patented? If i build it, what are the chances I would NOT
> be able
> to freely distribute it?

SSOK used their own TNC designed from a PIC, as does the Tiny
Trak. Making one yourself without looking at someone else's code
should be fine.

A modem chip connected to a PIC should do the trick.

Paul

1908. Re: [tvnsp] modem chip

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-13 19:13:52 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1899 Message: 1908

> Isn't one of the drawbacks of the MIM that it actually
> doesn't accept all text data, and that you have to trick
> it into sending some of the text that you've been
> successful so far in doing? That text being generated
> by the BS2.

The MIM accepts text with the prefix you program into it. I fool it
into accepting everything and have the Stamp control what it hears.
This is one reson I'd like to design my own TNC. I feel I could
design a better specification for balloons.

> The expense of the MIM, and the inflexibility of the MIM
> and Tinytrak are the reasons why I'm designing a balloon
> packet assembler, and there may be others on list doing
> same. It would have no restrictions on text format that
> it would packetize.

I think this is the best way to do it.

Paul

1909. Re: [tvnsp] balloon transparent packet assembler

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-13 19:34:05 UTC
From: Hank Riley
Topic: 1899 Message: 1909

DR>Do you have a webpage for this project? I'd like to see
DR>what your choice of solution is and where it's at...
DR>Is it Pic based?

David,

Before I mention my progress on this, I'd like to
direct you to over a dozen message thread on this
subject that started with a post by Mark Conner
December 7, 2001!

TVNSP at Yahoogroups message 1558 of 1907

From: "Mark Conner" <mconner1@h...>
Date: Fri Dec 7, 2001 2:57 pm
Subject: "Son of TinyTrak" as possible MIM/TNC replacement

In that thread, which changes title at least once (to "comm
controller"), devices already built and tested by Michael
Gray and Zack Clobes (both balloons) are discussed.

Hank

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1910. Re: [tvnsp] modem chip

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-13 19:38:41 UTC
From: mgray@ess-us.com
Topic: 1899 Message: 1910

I have designed, built, and flown a small beacon that sends
GPS NMEA as well as a plain text status message using
a PIC controller and stanard MODEM chip. Complete source code
schematics, and board layouts are on my web page. Even if you
don't use the exact stuffshown, it might give you ideas
for your own design.

http://www.kd7lmo.net/beacon.html

Good luck on your future launches...

From sentto-2519853-1910-1013628054-mgray=ess-us.com@... Wed Feb 13 12:21:33 2002
X-eGroups-Return: sentto-2519853-1910-1013628054-mgray=ess-us.com@...
X-Sender: VERHAP@...
X-Apparently-To: tvnsp@yahoogroups.com
To: tvnsp@yahoogroups.com
Priority: normal
In-reply-to: <20020213190326.74357.qmail@...>
References: <2E9BFE497257@...>
X-mailer: Pegasus Mail for Windows (v3.01d)
From: <verhap@...>
X-Yahoo-Profile: pverhage1960
MIME-Version: 1.0
Mailing-List: list tvnsp@yahoogroups.com; contact tvnsp-owner@yahoogroups.com
Delivered-To: mailing list tvnsp@yahoogroups.com
Precedence: bulk
List-Unsubscribe: <mailto:tvnsp-unsubscribe@yahoogroups.com>
Date: Wed, 13 Feb 2002 12:13:52 -700
Subject: Re: [tvnsp] modem chip
Reply-To: tvnsp@yahoogroups.com
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

> Isn't one of the drawbacks of the MIM that it actually
> doesn't accept all text data, and that you have to trick
> it into sending some of the text that you've been
> successful so far in doing? That text being generated
> by the BS2.

The MIM accepts text with the prefix you program into it. I fool it
into accepting everything and have the Stamp control what it hears.
This is one reson I'd like to design my own TNC. I feel I could
design a better specification for balloons.

> The expense of the MIM, and the inflexibility of the MIM
> and Tinytrak are the reasons why I'm designing a balloon

> packet assembler, and there may be others on list doing
> same. It would have no restrictions on text format that
> it would packetize.

I think this is the best way to do it.

Paul

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1911. Re: balloon transparent packet assembler

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-13 19:53:14 UTC
From: n1ltv
Topic: 1899 Message: 1911

> In that thread, which changes title at least once (to "comm
> controller"), devices already built and tested by Michael
> Gray and Zack Clobes (both ballooners) are discussed.

Typing fast enough that typos are creeping in. I meant
to say ballooners as corrected above.

1912. Re: [tvnsp] Re: balloon transparent packet assembler

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-14 01:38:04 UTC
From: Zack Clobes
Topic: 1899 Message: 1912

I just got a notice back from QST last week that they rejected my article so I'm just going to post it on my website. It's got full construction details including development cycle, theory of op, construction, art-work, code, and some troubleshooting. We've flow this basic design on two launches now without any major problems. This particular revision is scheduled to go up 9 March.

http://www.rckara.org/tech_exchange/projects/aprs_board/default.asp

Zack Clobes, W0ZC
Project: Traveler

----- Original Message -----
From: n1ltv
To: tvnsp@yahoogroups.com
Sent: Wednesday, February 13, 2002 11:53 AM
Subject: [tvnsp] Re: balloon transparent packet assembler

> In that thread, which changes title at least once (to "comm
> controller"), devices already built and tested by Michael
> Gray and Zack Clobes (both ballooners) are discussed.

Typing fast enough that typos are creeping in. I meant
to say ballooners as corrected above.

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1913. [tvnsp] Re: balloon transparent packet assembler

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-14 00:51:21 UTC
From: Hank Riley
Topic: 1899 Message: 1913

Zack wrote:

> I just got a notice back from QST last week that they
> rejected my article so I'm just going to post it on my
> website.

Zack, sorry to hear that, though not surprised having
spoken to Steve Ford about what QST is looking for. Did
QST happen to invite you submit it to QEX, or was that
automatically done by default with QST not interested?

> It's got full
> construction details including development cycle, theory of op,
> construction, art-work, code, and some troubleshooting.

I'll be anxious to see what you have; I checked out your
website before it got purged during the QST submission
process. :)

Hank

_____
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1914. RE: [tvnsp] modem chip

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-14 05:07:05 UTC
From: Bill Herrmann
Topic: 1899 Message: 1914

>Yep, sucks, doesn't it.
>The Tiny Trak II is cheaper, but only sends posits. Would you be
>interested in designing a cheaper TNC for flight computers?
There are already a couple options out there. Personally, I lean toward leveraging one of the balloon specific efforts that have already been mentioned.

However, for the sake of completeness...

TAPR's PIC-E seems to be cheaper than the MIM module. (though now I can't remember if the non-member price was cheaper or not.)

There is also a kit TNC on the market that goes for about $60 as I recall. Tony Barrett has one so he is probably better suited to comment on it. It is KISS mode only, but does have tracker capability without a computer attached.

Tony - Can it be used as a tracker with a device attached?

Bill

p.s. Looks like Micron may be filtering Boise schools again since I didn't get Paul's message.

1915. Smoketron

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-14 21:05:21 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 1915 Message: 1915
Attachments: 1 described; binary payloads are missing from this source WARC

Immerging technology... cool stuff...

1916. Re: [tvnsp] Smoketron

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-14 21:36:21 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1915 Message: 1916

> Immerging technology... cool stuff...

For emmergent technology, I thin it's hot stuff.

It all makes sense to me, I know the smoke got out of my capsule
last November.

Paul

1917. Re: [tvnsp] Re: balloon transparent packet assembler

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-15 01:18:43 UTC
From: Zack Clobes
Topic: 1899 Message: 1917

In short, they said it was too long but had potential. I've got too much time wrapped up in it now for potential, plus a number of people have expressed interest in getting details. I'm not sure about the QEX - I considered it but they never brought it up.
----- Original Message -----
From: Hank Riley
To: tvnsp@yahoogroups.com
Sent: Wednesday, February 13, 2002 4:51 PM
Subject: [tvnsp] Re: balloon transparent packet assembler

Zack wrote:

> I just got a notice back from QST last week that they
> rejected my article so I'm just going to post it on my
> website.

Zack, sorry to hear that, though not surprised having spoken to Steve Ford about what QST is looking for. Did QST happen to invite you submit it to QEX, or was that automatically done by default with QST not interested?

> It's got full
> construction details including development cycle, theory of op,
> construction, art-work, code, and some troubleshooting.

I'll be anxious to see what you have; I checked out your website before it got purged during the QST submission process. :)

Hank

_____
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1918. cheap TNC

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-15 01:13:28 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 1918 Message: 1918

I got one of these a few years back, the guy has 2 left (with manuals, not in box, no cables)
for $75 + $7 for shipping.

Three years ago i paid 95..

http://www.radiodan.com/ted_stuff/AR-210.htm

They are VERY lightweight and compact.
I used it for that backpacking mir/alaska thing.

By the way I looked up that call sign, it was N6GPS.

--
David Ritzenthaler - Hardware Design Engr.
208.396.3618 - david_ritzenthaler@...
Hewlett-Packard - 11311 Chinden Boulevard
Mail stop 135 - Boise, ID 83714-1021

1919. RE: [tvnsp] modem chip

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-15 15:33:38 UTC
From: Tony Barrett
Topic: 1899 Message: 1919
Attachments: 2 described; binary payloads are missing from this source WARC

I think the KISS TNC kit I built only cost me $60. It has two modes; APRS Tracker mode and KISS TNC mode. It has only 4 ICs: a preprogrammed uP, additional memory, a serial chip, and a modem chip. I read an article by the kit's creator in QST some months ago and built one. Works like a dream. Don't know if it has all the capabilities you need, but it may, and the price is right.

Tony

At 10:23 AM 2/13/02 -0800, you wrote:
>that's a tall order...
>building packets.... I would have allot to learn about AX25.. that seems
>like the hard part.
>checksums would be easy...
>serial sending would be easy...
>
>I wonder if its patented? If i build it, what are the chances I would NOT
>be able
>to freely distribute it?
>
>-----Original Message-----
>From: verhap@... [mailto:verhap@...]
>Sent: Wednesday, February 13, 2002 4:13 AM
>To: tvnsp@yahoogroups.com
>Subject: RE: [tvnsp] modem chip
>
>Yep, sucks, doesn't it.
>The Tiny Trak II is cheaper, but only sends posits. Would you be
>interested in designing a cheaper TNC for flight computers?
>
>Paul
>
> > Is it just me or do those cost 83 bucks?
> > Throw in another 20 bucks and I could get a real TNC. :)
> > It's a 6 dollar pic chip for crying out loud.
> >
> >
> >
> > -----Original Message-----
> > From: verhap@... [mailto:verhap@...]
> > Sent: Wednesday, February 13, 2002 3:00 AM
> > To: tvnsp@yahoogroups.com
> > Subject: Re: [tvnsp] modem chip
> >

> >
> > I use the MIM Module. It has a PIC that accepts text data,
> > packetizes it, figures the CRCs and then opens the radio and
> > generates the audio tones. I bought mine from the APRS website.
> >
> > Paul
> >
> > > Hey Paul,
> > > I seem to remember you have a chip setup to do AX25 AFSK
> > > modulation...
> > > then you just feed the audio output of that to a radio.... I would like
> > to
> > > play with modem chips as well... Thus, the basic stamp could compile
> all
> > > data
> > > and send it to the modem chip..... otherwise I could use a normal TNC in
> > > transparent
> > > mode I suppose.....
> > >
> > >
> > > --
> > > David Ritzenthaler - Hardware Design Engr.
> > > 208.396.3618 - david_ritzenthaler@...
> > > Hewlett-Packard - 11311 Chinden Boulevard
> > > Mail stop 135 - Boise, ID 83714-1021
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oo4>1242d3b4.jpg
>1242d595.jpg
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1920. RE: [tvnsp] modem chip

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-15 15:45:15 UTC
From: Tony Barrett
Topic: 1899 Message: 1920
Attachments: 2 described; binary payloads are missing from this source WARC

Bill,

"Can it be used as a tracker with a device attached?"

Device? Not sure I understand the question. It only has the one serial port. You connect either a GPS or an alternative serial data generator. It does, however, send and receive packet data when in KISS (not tracker) mode.

If you explain further I'l try to give a more complete answer.

Tony

At 10:07 PM 2/13/02 -0700, you wrote:

> >Yep, sucks, doesn't it.
> >The Tiny Trak II is cheaper, but only sends posits. Would you be
> >interested in designing a cheaper TNC for flight computers?
>There are already a couple options out there. Personally, I lean toward
>leveraging one of the balloon specific efforts that have already been
>mentioned.
>
>However, for the sake of completeness...
>
>TAPR's PIC-E seems to be cheaper than the MIM module. (though now I can't
>remember if the non-member price was cheaper or not.)
>
>There is also a kit TNC on the market that goes for about $60 as I recall.
>Tony Barrett has one so he is probably better suited to comment on it. It
>is KISS mode only, but does have tracker capability without a computer
>attached.
>
>Tony - Can it be used as a tracker with a device attached?
>
>Bill
>
>p.s. Looks like Micron may be filtering Boise schools again since I didn't
>get Paul's message.
>
>
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oo4>124d7742.jpg
>124d78a1.jpg
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1921. RE: [tvnsp] modem chip

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-15 15:54:20 UTC
From: Tony Barrett
Topic: 1899 Message: 1921
Attachments: 2 described; binary payloads are missing from this source WARC

And the kits creator was really great about quickly answering questions via e-mail, AND he even sent me a free upgrade. I was so surprised. It just showed up in my mail one day. Now that's SUPPORT with a capital "S". I don't know what his business is, but he's just doing this as a ham. He can't be making much on it. He might even entertain designing a custom unit or assisting or modifying what he's got. I've seen his name associated with other TNC projects. It John Hansen, W2FS.

At 08:33 AM 2/15/02 -0700, you wrote:
>I think the KISS TNC kit I built only cost me $60. It has two modes; APRS
>Tracker mode and KISS TNC mode. It has only 4 ICs: a preprogrammed uP,
>additional memory, a serial chip, and a modem chip. I read an article by
>the kit's creator in QST some months ago and built one. Works like a
>dream. Don't know if it has all the capabilities you need, but it may, and
>the price is right.
>
>Tony
>
>At 10:23 AM 2/13/02 -0800, you wrote:
> >that's a tall order...
> >building packets.... I would have allot to learn about AX25.. that seems
> >like the hard part.
> >checksums would be easy...
> >serial sending would be easy...
> >
> >I wonder if its patented? If i build it, what are the chances I would NOT
> >be able
> >to freely distribute it?
> >
> >-----Original Message-----
> >From: verhap@... [mailto:verhap@...]
> >Sent: Wednesday, February 13, 2002 4:13 AM
> >To: tvnsp@yahoogroups.com
> >Subject: RE: [tvnsp] modem chip
> >
> >Yep, sucks, doesn't it.
> >The Tiny Trak II is cheaper, but only sends posits. Would you be
> >interested in designing a cheaper TNC for flight computers?
> >
> >Paul
> >
> > > Is it just me or do those cost 83 bucks?
> > > Throw in another 20 bucks and I could get a real TNC. :)
> > > It's a 6 dollar pic chip for crying out loud.

> > >
> > >
> > >
> > > -----Original Message-----
> > > From: verhap@... [mailto:verhap@...]
> > > Sent: Wednesday, February 13, 2002 3:00 AM
> > > To: tvnsp@yahoogroups.com
> > > Subject: Re: [tvnsp] modem chip
> > >
> > >
> > > I use the MIM Module. It has a PIC that accepts text data,
> > > packetizes it, figures the CRCs and then opens the radio and
> > > generates the audio tones. I bought mine from the APRS website.
> > >
> > > Paul
> > >
> > > > Hey Paul,
> > > > I seem to remember you have a chip setup to do AX25 AFSK
> > > > modulation...
> > > > then you just feed the audio output of that to a radio.... I would
> like
> > > to
> > > > play with modem chips as well... Thus, the basic stamp could compile
> > all
> > > > data
> > > > and send it to the modem chip..... otherwise I could use a normal
> TNC in
> > > > transparent
> > > > mode I suppose.....
> > > >
> > > >
> > > > --
> > > > David Ritzenthaler - Hardware Design Engr.
> > > > 208.396.3618 - david_ritzenthaler@...
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1922. MIM and DTMF

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-15 16:29:38 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1922 Message: 1922

One of my early flight computer projects used a California Micro
DTMF decoders. It's the CM8880. Scott Edwards had an article
on it in Nuts and Volts. This was a couple years ago.

The same board used a MIM built from parts. I had to buy the
programmed PIC, but it was inexpensive.

I soldered the baord together and started some tests. It's still
around if anyone would like to try it out. I didn't go any further with
the project because it has such a high parts count.

Paul

1923. Presentation

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-15 17:02:26 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1923 Message: 1923
Attachments: 2 described; binary payloads are missing from this source WARC

Dave asked about getting a copy of the presentation I made for Space 2002. I'm attaching it to this email.

Paul

1924. California Balloon Group

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-15 20:21:07 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1924 Message: 1924

Here's the website for another balloon group. I don't know sucessful they are compared to our simple flights, but you may find their program interesting.

I'd like to attempt a rocket launch from near space, like they're trying.

http://www.jpaerospace.com/

Paul

1925. (Fwd) two cosmonauts will give a free public presentation at t

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-16 20:50:21 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1925 Message: 1925

------- Forwarded Message Follows -------
Date sent: Fri, 15 Feb 2002 21:05:29 -0700
From: Patrick Ogrinc <pjogrinc@...>
Send reply to: pjogrinc@...
Organization: Boise Astronomical Society
To: gdk@..., Anete Marler <kmarler@...>,
Art Martini <martron@...>, barry <barry@...>,
Bill Hurtt <wchurtt@...>, Bill Seitzinger <wseitzin@...>,
"Bill West, Sr." <bwestsr@...>,
Bill Willis <bill_willis@...>,
"bill_hurtt@..." <bill_hurtt@...>,
Bob and Mary Schneider <bmschneider@...>,
Bob Niemeyer <ngc869@...>,
Brian Raleigh <braleigh@...>,
Carl Stanley <stanleyc62@...>,
Celeste Schwendiman <m10@...>,
Charles Bogard <cbogard@...>,
Christopher Erwin <cerwin@...>,
"csand@..." <csand@...>,
Dave Christian <getthenet@...>, David Smith <dssmith3@...>,
Don & Sheri Hydrick <dhydrick@...>,
"Dull, James" <JDull@...>, Erika <erika.id@...>,
Fred Franz <fredafranz@...>,
Gary Whitney <gwhitney@...>,
Gerald Kroenke <idahojerry@...>,
Gerald Vertrees <gvertrees@...>,
Glen Knight <glen@...>, Helen Fisher <seyfish@...>,
"J. Carlton Parker" <c2parker_idaho@...>,
"jdull@..." <jdull@...>,
Jef Gerritsen <jeff.gerritsen@...>,
Jeffrey Gable <jdg26354@...>,
Jerry & Alexandria Larsen <loarn@...>,
Jim & Jan Church <jim_v_church@...>,
Jo & Graeme Faulkner <barkfaulk@...>,
joann leone <joannleone@...>, Joe Novak <josephnovak@...>,
John McVey <jrmcvey@...>, John Ratterree <J.C.Ratterree@...>,
John Schaefer <schaefer@...>,
John Schaefer <schaefer@...>, Kate <katyah@...>,
"KatyAH@..." <KatyAH@...>, Kelly Carlen <KCarlen@...>,
Kendall Cross-Paxton <Rpaxton@...>,
Kurt Zwolfer <bombchest@...>,
Lonnie Morgan <lmorgan01@...>,
Lowell & Carol Messley <lmessley@...>,
"lynn_kramer@..." <lynn_kramer@...>,
Mark Pollot <mpollot@...>, Mike Greiner <mgreiner@...>,

Mike McCormick <clockart@...>,
"mjb451@..." <mjb451@...>,
Myrna Harrington <MLHarrington@...>,
NICHOLAS J WINOWITCH <nickw4@...>,
"Pat Ogrinc @ Work" <pogrinc@...>,
Paul & Patti Fabre <Fabre768@...>,
Paul Shoemaker <harames@...>,
Paul Verhage <paul.verhage@...>,
"pdrowe@..." <pdrowe@...>,
Peggy Lash <touchdownmars@...>,
Peter Wollheim <pwollhe@...>,
Pierson & Fredrika Clements <rikaclem@...>,
Richard Beaver <rjb@...>, Robert & Lois Moore <loisleewv@...>,
Robert Summers <twobs222@...>, Ross Butler <wt7b@...>,
Samuel Johnson <sjohnson@...>,
"sdblanch@..." <sdblanch@...>,
Stephen Stockinger <stephenJn@...>,
Steve & Donna Bock <sdbock1@...>,
Steve Bell <steveb0513@...>,
Steve Christensen <christensensteve@...>,
Steve Pence <coolredstar@...>, Thomas Baskin <tbaskin@...>,
Tim Smith <trsmith@...>, Tom Gilbertson <palo@...>,
Vern & Sandy <svdomeier@...>, Wes Whitworth <bru@...>,
BROWN WILLIAM <wbrown5@...>,
Charles Mohica <charles@...>,
GENE HALBERSTADT <halberst@...>,
Jeff Gerritsen <jeff.gerritsen@...>,
Jenifer Stopher <Jenifer@...>,
Katy & John Beach <jkbeach@...>,
Ken & Traci Flick <kwftlfac@...>,
Ken & Traci Flick <kwftlfac@...>,
NICHOLAS J WINOWITCH <nickw4@...>,
"Ogrinc, Patricia J." <Ogrinc.Patricia@...>,
Patricia Ogrinc <p.ogrinc@...>,
patti and rusty Stahl <lubaruss@...>,
Rob Cohen <robertcohen@...>, Sarah Ogrinc <tragen17@...>,
"Thompson, Randy" <THOMPSONRA@...>,
william h brown <WBROWN@...>
Subject: two cosmonauts will give a free public presentation at the Boise Public
Library Thursday 21 Feb at 7:30 PM
boundary="------------51C23BB06A5CB5400648573F"

HEY EVERYBODY CHECK THIS OUT !!!!!

Pat Ogrinc

"Michael J. Blackburn" wrote:

> This looks like something we would like to advertise to our members.
> Mike
>

> -------- Original Message --------
> Date: Wed, 13 Feb 2002 11:55:56 -0700
From: Fredrika Pierson Clement <rikaclem@...>
To: "Joe Gordon
('gordoj@...')"<gordoj@...>,
"Kevin Collins ('kcollins@...')"
<kcollins@...>, "Mike Blackburn (Michael J.
Blackburn [mjb451@...])"<mjb451@...>
>
> Hi Joe, Kevin and Mike,
>
> I wanted to let you all know - in hopes that you will share the
> information widely - that two cosmonauts will givea free public
> presentation at the Boise Public Library on Thursday, February 21
> @ 7:30 pm.The Center for Evaluation, Research & Public
> Service, College of Education,University of Idahois providing the
> cosmonauts' honorarium for this presentation.
>
> Below is some information about the cosmonauts.
>
> PavelVinogradov was the flight engineer of the Mir-24 mission, which
> lasted from August 5, 1997 until February 19, 1998.He and Mir-24
> Commander Vladimir Solovyev worked with two American astronauts,
> Michael Foale and David Wolf on the space station.During the Mir-24
> mission, the crew accomplished seven internal and external spacewalks
> to repair the space station.
>
> Dr. Alexander Martynov:The Director of the Ballistics Department
> at MissionControlCenter was directly responsible for landing space
> vehicles on the Moon, Mars, and Venus as well as the safe return of
> manned spacecraft to Earth.He is currently the Chief of Foreign
> Relations Department for the Administration of Korolev.He is also an
> author of 210 scientific articles and six books dedicated to space
> travel.
>
> The two cosmonauts will present, "From Mir to Mars" which consists of
> 6 parts:
>
> 1. A speech from Dr. Martynov
> 2. Video about the a mission to Mars
> 3. Video about the life of a cosmonaut aboard the space state Mir
>
> The video shows the cosmonauts sleeping, eating, shaving, cleaning,
> and conducting medical and science experiments.
>
> 4. A discussion on the life of female cosmonauts.
> 5. A video on working outside the space station.
>
> If you have any questions, just let me know.Thanks!
>

> Rika
>
> Fredrika Pierson Clement
>
> Executive Director
>
> DiscoveryCenter of Idaho
>
> 131 Myrtle Street
>
> Boise, ID83702
>
> ph 208.343.9895
>
> fax 208.343.0105
>
> rikaclem@...
>
> www.scidaho.org
>

1926. LCD Projector?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-16 21:49:23 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1926 Message: 1926

I'm giving a presentation at the next VOI meeting on making circuit boards. I'd like to demonstrate how I design them on the PC, but will need a projector to do this. Can anyone bring an LCD projector to the meeting?

Paul

1927. FW: PK-12

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-18 07:17:49 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 1927 Message: 1927

cheap TNC if anyone's interested...
this guy took a while to get back to me,
I went ahead and bought the AOR-210 for $75 new.
I already have one, and love it, small, light weight.

-----Original Message-----
From: Ed W4EP [mailto:ed@...]
Sent: Friday, February 15, 2002 4:40 AM
To: ritz@...
Subject: PK-12

I have a PK-12 and manual I have owned since new. I was using it on the packet cluster but have gone to an Internet connection so it isn't used any more.
Make me a reasonable offer and it's yours.
73, Ed W4EP

1928. Project: Traveler Balloon Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-19 05:31:52 UTC
From: Zack Clobes
Topic: 1928 Message: 1928

Project: Traveler has a couple of balloon launches scheduled for this spring. The first one is in a couple of weeks on 9 March 2002 from Hutchinson, KS.

Check out the website for more information: www.rckara.org/project_traveler/
Zack Clobes, W0ZC

1929. APRS+SA Setup!

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-19 05:14:30 UTC
From: Mike Garske
Topic: 1929 Message: 1929

Hello All!

I need some help setting up my TNC to talk to APRS+SA. I am pretty sure I have the cable between the Radio and TNC properly wired.....the radio is a Yaesu FT-7100M with the 6-pin mini-Din. And the TNC is the KPC-3+ Firmware 8.3.

So far I can receive and transmit using the Pacterm program the TNC came with, but running APRS+SA is another story! I can see my GPS string updating, and it shows me on the map, but I don't see anyone else, or anything on the Terminal screen of APRS+SA. I can't figure out what I am doing wrong......

Any help would be greatly appreciated!

Mike KC7DPD

1930. Re: [tvnsp] APRS+SA Setup!

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-19 05:31:02 UTC
From: Bill Herrmann
Topic: 1929 Message: 1930

At 10:14 PM 2/18/02 -0700, you wrote:
>So far I can receive and transmit using the Pacterm program the TNC came with,

If you can do this much your cable should be correct.

>but running APRS+SA is another story!

I think pacterm puts the TNC in host mode. You don't want to be in host mode. You want to be in term mode. Not 100% sure but I think there is a command in pacterm to go to terminal mode.

Make sure you're in terminal mode and that the baud rates match and you should be fine. (Personally I set anything having to do with APRS to 4800bps. It saves headaches.)

Bill

p.s. I think the above is the most likely, but you might also check that you haven't checked the KISS mode box in setup.

1931. Re: [tvnsp] APRS+SA Setup!

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-19 08:16:50 UTC
From: Mike Garske
Topic: 1929 Message: 1931

Thanks Bill! Looks like I was shooting myself in the foot....I would bring up pacterm, testing the TNC, then bring up APRS+SA, and get nothing! Got a tad frustrated....to say the least! But it is working, and updating the map correctly. Now just to tweak the mapping a tad and learn the program well and I am ready to track some helium filled apparatuses!!

P.S. Look for me on APRS!

Mike KC7DPD
----- Original Message -----
From: "Bill Herrmann" <bherrman@...>
To: <tvnsp@yahoogroups.com>
Sent: Monday, February 18, 2002 10:31 PM
Subject: Re: [tvnsp] APRS+SA Setup!

> At 10:14 PM 2/18/02 -0700, you wrote:
> >So far I can receive and transmit using the Pacterm program the TNC came with,
>
> If you can do this much your cable should be correct.
>
> >but running APRS+SA is another story!
>
> I think pacterm puts the TNC in host mode. You don't want to be in host
> mode. You want to be in term mode. Not 100% sure but I think there is a
> command in pacterm to go to terminal mode.
>
> Make sure you're in terminal mode and that the baud rates match and you
> should be fine. (Personally I set anything having to do with APRS to
> 4800bps. It saves headaches.)
>
> Bill
>
> p.s. I think the above is the most likely, but you might also check that
> you haven't checked the KISS mode box in setup.
>
>
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>

>
>
>

1932. Weather Balloons gone commercial

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-19 14:27:19 UTC
From: Doug Rich
Topic: 1932 Message: 1932

I just read an article from infoworld that shows a wireless repeater attached to the neck of a weather balloon being deployed by the National Weather Service.
They plan to have 69 repeaters in place at the same time as the service launches every 12 hours.
It looks like they could benefit from floater type balloons and we could become part of a commercial enterprise. What do you think?

http://www.infoworld.com/articles/ne/xml/02/02/11/020211nedemowireless.xml

Doug KD6GCL

kd6gcl@...
doug@...

1933. Nichrome

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-19 16:48:52 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 1933 Message: 1933

Okay, newbie question here.....

A few weeks back at the meeting at hobby town, there
was some discussion about the power supply having current
limitation issues when activating the cut down device.

Specifically the issue was that the Nichrome solution
required more current than the power supply could deliver,
and therefore, was not getting hot enough....

so my "bucket head" question is : "why not use a smaller
diameter of Nichrome?"

http://www.wiretron.com/nicrdat.html

This webpage indicates "(Note: For *Coiled* elements divide *straight*
wire amps by 2 for approximation purposes. "

What have people found to be a good temperature to shoot for when
utilizing Nichrome? It seems like 500C would be enough....

So the practical solution (to the untrained eye) would be to just
select a smaller diameter piece of Nichrome, and coil it (with the
load line in the center of the coil....) and then hit it with whatever
power supply you have available.

--
David Ritzenthaler - Hardware Design Engr.
208.396.3618 - david_ritzenthaler@...
Hewlett-Packard - 11311 Chinden Boulevard
Mail stop 135 - Boise, ID 83714-1021

1934. Re: [tvnsp] Nichrome

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-19 16:51:56 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1933 Message: 1934

I have 30 gauge wire that I've used with 6 volts. I'd like to
experiment with smaller wires. Does anyone have something
smaller?

Paul
> Okay, newbie question here.....
>
> A few weeks back at the meeting at hobby town, there
> was some discussion about the power supply having current
> limitation issues when activating the cut down device.
>
> Specifically the issue was that the Nichrome solution
> required more current than the power supply could deliver,
> and therefore, was not getting hot enough....
>
> so my "bucket head" question is : "why not use a smaller
> diameter of Nichrome?"
>
> http://www.wiretron.com/nicrdat.html
>
> This webpage indicates "(Note: For *Coiled* elements divide *straight*
> wire amps by 2 for approximation purposes. "
>
> What have people found to be a good temperature to shoot for when
> utilizing Nichrome? It seems like 500C would be enough....
>
> So the practical solution (to the untrained eye) would be to just
> select a smaller diameter piece of Nichrome, and coil it (with the
> load line in the center of the coil....) and then hit it with whatever
> power supply you have available.
>
>
>
>
> --
> David Ritzenthaler - Hardware Design Engr.
> 208.396.3618 - david_ritzenthaler@...
> Hewlett-Packard - 11311 Chinden Boulevard
> Mail stop 135 - Boise, ID 83714-1021
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>

>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>

1935. Re: [tvnsp] Weather Balloons gone commercial

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-19 16:57:02 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1932 Message: 1935

> I just read an article from infoworld that shows a wireless repeater
> attached to the neck of a weather balloon being deployed by the National
> Weather Service.
> They plan to have 69 repeaters in place at the same time as the service
> launches every 12 hours.
> It looks like they could benefit from floater type balloons and we could
> become part of a commercial enterprise. What do you think?

We'd need to perfect the cutdowns for floater balloons. What I
have works with latex. To be commerical means we'd have to
move off the ham bands and onto business bands. Is there a
licensing proceedure for business band?

Paul

1936. Re: [tvnsp] Weather Balloons gone commercial

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-19 17:51:07 UTC
From: Doug Rich
Topic: 1932 Message: 1936

Just supply the balloon lift technology. They have what they want to lift.
Doug

At 09:57 AM 2/19/02 -0700, you wrote:
> > I just read an article from infoworld that shows a wireless repeater
> > attached to the neck of a weather balloon being deployed by the National
> > Weather Service.
> > They plan to have 69 repeaters in place at the same time as the service
> > launches every 12 hours.
> > It looks like they could benefit from floater type balloons and we could
> > become part of a commercial enterprise. What do you think?
>
>We'd need to perfect the cutdowns for floater balloons. What I
>have works with latex. To be commerical means we'd have to
>move off the ham bands and onto business bands. Is there a
>licensing proceedure for business band?
>
>Paul
>
>
>To unsubscribe from this group, send an email to:
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1937. FW: samples

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-19 21:33:05 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 1937 Message: 1937

ouch.
Check out these prices.

-----Original Message-----
From: WireTronic [mailto:sales@...]
Sent: Tuesday, February 19, 2002 11:47 AM
To: RITZENTHALER,DAVID (HP-Boise,ex1)
Subject: Re: Nichrome

We have a Nichrome sampler engineering pack:
We can include each of the awg sizes you asked for except we would have to subst. 33 awg or 35 awg for the 34 which is not in stock. You would get 3 ft of each.
Cost: $ 65

We take all major credit cards.

Best Regards,
Bruce H Dixon, Sales Consultant
WireTronic Inc.
Toll Free 1-888-WIRETRO (947-3876) in US, Canada, Mexico & Virgin Islands
Email: sales@...
Web: http://www.wiretron.com

WireTronic Inc.
19698 State Hwy 88 #C
Pine Grove CA 95665-9458

Intl ph. 209-296-8460
FAX 209-296-8462

Visit our web site at: www.wiretron.com
----- Original Message -----
From: "RITZENTHALER,DAVID (HP-Boise,ex1)" <david_ritzenthaler@...>
To: <sales@...>
Sent: Tuesday, February 19, 2002 9:05 AM
Subject: Nichrome

>
> Could i get about 12 inches of:
> Nichrome
> AWG: 30,32,34,36,38,40
>
> Need to run some tests.....
> Thanks
>
>

> --
> David Ritzenthaler - Hardware Design Engr.
> 208.396.3618 - david_ritzenthaler@...
> Hewlett-Packard - 11311 Chinden Boulevard
> Mail stop 135 - Boise, ID 83714-1021

1938. Re: [tvnsp] FW: samples

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-19 21:37:54 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1937 Message: 1938

I bought mine mail order. I think it was from Mouser Electronics. I
have a 10 foot spool of wire, so I have plenty to share. Does
someone want to purchase a 10 foot roll of 33 gauge? I've got
some 30 gauge to trade.

Paul

> ouch.
> Check out these prices.
>
> -----Original Message-----
> From: WireTronic [mailto:sales@...]
> Sent: Tuesday, February 19, 2002 11:47 AM
> To: RITZENTHALER,DAVID (HP-Boise,ex1)
> Subject: Re: Nichrome
>
>
> We have a Nichrome sampler engineering pack:
> We can include each of the awg sizes you asked for except we would have to
> subst. 33 awg or 35 awg for the 34 which is not in stock. You would get 3
> ft of each.
> Cost: $ 65
>
> We take all major credit cards.
>
> Best Regards,
> Bruce H Dixon, Sales Consultant
> WireTronic Inc.
> Toll Free 1-888-WIRETRO (947-3876) in US, Canada, Mexico & Virgin Islands
> Email: sales@...
> Web: http://www.wiretron.com
>
> WireTronic Inc.
> 19698 State Hwy 88 #C
> Pine Grove CA 95665-9458
>
> Intl ph. 209-296-8460
> FAX 209-296-8462
>
> Visit our web site at: www.wiretron.com
> ----- Original Message -----
> From: "RITZENTHALER,DAVID (HP-Boise,ex1)" <david_ritzenthaler@...>
> To: <sales@...>
> Sent: Tuesday, February 19, 2002 9:05 AM
> Subject: Nichrome

>
>
> >
> > Could i get about 12 inches of:
> > Nichrome
> > AWG: 30,32,34,36,38,40
> >
> > Need to run some tests.....
> > Thanks
> >
> >
> > --
> > David Ritzenthaler - Hardware Design Engr.
> > 208.396.3618 - david_ritzenthaler@...
> > Hewlett-Packard - 11311 Chinden Boulevard
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>
>

1939. RE: [tvnsp] FW: samples

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-19 22:03:35 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 1937 Message: 1939

If we all went in on a 10 foot role together, that
would work out well I think... I need a foot for my class
project.

So you think the 33 would work? assuming we could deliver
1/2 amp we'd get 538C. I don't know the flash point of load
line off the top of my head.

Will 4 AA batteries in series provide 1/2 amp for 10 seconds?

Dave

-----Original Message-----
From: verhap@... [mailto:verhap@...]
Sent: Tuesday, February 19, 2002 7:38 AM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] FW: samples

I bought mine mail order. I think it was from Mouser Electronics. I
have a 10 foot spool of wire, so I have plenty to share. Does
someone want to purchase a 10 foot roll of 33 gauge? I've got
some 30 gauge to trade.

Paul

> ouch.
> Check out these prices.
>
> -----Original Message-----
> From: WireTronic [mailto:sales@...]
> Sent: Tuesday, February 19, 2002 11:47 AM
> To: RITZENTHALER,DAVID (HP-Boise,ex1)
> Subject: Re: Nichrome
>
>
> We have a Nichrome sampler engineering pack:
> We can include each of the awg sizes you asked for except we would have to
> subst. 33 awg or 35 awg for the 34 which is not in stock. You would get 3
> ft of each.
> Cost: $ 65
>
> We take all major credit cards.
>
> Best Regards,
> Bruce H Dixon, Sales Consultant
> WireTronic Inc.
> Toll Free 1-888-WIRETRO (947-3876) in US, Canada, Mexico & Virgin Islands

> Email: sales@...
> Web: http://www.wiretron.com <http://www.wiretron.com>
>
> WireTronic Inc.
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> Pine Grove CA 95665-9458
>
> Intl ph. 209-296-8460
> FAX 209-296-8462
>
> Visit our web site at: www.wiretron.com
> ----- Original Message -----
> From: "RITZENTHALER,DAVID (HP-Boise,ex1)" <david_ritzenthaler@...>
> To: <sales@...>
> Sent: Tuesday, February 19, 2002 9:05 AM
> Subject: Nichrome
>
>
> >
> > Could i get about 12 inches of:
> > Nichrome
> > AWG: 30,32,34,36,38,40
> >
> > Need to run some tests.....
> > Thanks
> >
> >
> > --
> > David Ritzenthaler - Hardware Design Engr.
> > 208.396.3618 - david_ritzenthaler@...
> > Hewlett-Packard - 11311 Chinden Boulevard
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id=39249818&bfpage=moneyyahoo4>

<http://us.adserver.yahoo.com/l?M=217097.1884387.3381019.1261774/D=egroupmai
l/S=1705083281:HM/A=960173/rand=600394255>

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<http://docs.yahoo.com/info/terms/> .

1940. Re: [tvnsp] FW: samples

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-19 22:34:07 UTC
From: Hank Riley
Topic: 1937 Message: 1940

> I bought mine mail order. I think it was from Mouser
> Electronics. I have a 10 foot spool of wire, so I have
> plenty to share.

Mouser online and the print catalog do not seem to list
nichrome wire in any form. It's not that common an item
with electronics distibutors.

Paul, I wondered where you got yours. Mike Manes of EOSS
buys junky hair dryers at flea markets and pulls them apart
just for the wire.

Hank

Do You Yahoo!?
Yahoo! Sports - Coverage of the 2002 Olympic Games
http://sports.yahoo.com

1941. Re: FW: samples

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-19 23:08:14 UTC
From: n1ltv
Topic: 1937 Message: 1941

The engineering sampler pricing is NUTS! This following offer
is from a busted link I found at google. It's quoted here just
to establish a realistic small quantity pricing reference point.

I have another earlier post but it's not getting through by
email, so I'm using the egroups website now.

Hank

Let us send you a free gift of 10 feet of 36 gauge NiChrome
60 wire (a $2 value). It works great for "electric matches",
pyrogenic igniters and DIY foam-cutters. Just enter your
information below and we'll mail it to you...

> We have a Nichrome sampler engineering pack:

> We can include each of the awg sizes you asked for except
> we would have to subst. 33 awg or 35 awg for the 34 which
> is not in stock. You would get 3 ft of each.

> Cost: $ 65 [for 18 feet total]

1942. FW: samples

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-20 00:04:01 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 1937 Message: 1942

gotta love that logic.
Wish I was wearing my boots.... it's getting deep.
Dave

-----Original Message-----
From: WireTronic [mailto:sales@...]
Sent: Tuesday, February 19, 2002 4:21 PM
To: RITZENTHALER,DAVID (HP-Boise,ex1)
Subject: Re: samples

Actually the cost is all labor. Its just as much work pulling all the
spools out off the pallet racks and then individually cutting, labeling, and
packaging the samples for 1 foot as it is for 3 ft. Hope you understand.
We all have to make a living. Surely HP can afford $65?

Best Regards,
Bruce H Dixon, Sales Consultant
WireTronic Inc.
Toll Free 1-888-WIRETRO (947-3876) in US, Canada, Mexico & Virgin Islands
Email: sales@...
Web: http://www.wiretron.com

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19698 State Hwy 88 #C
Pine Grove CA 95665-9458

Intl ph. 209-296-8460
FAX 209-296-8462

Visit our web site at: www.wiretron.com
----- Original Message -----
From: "RITZENTHALER,DAVID (HP-Boise,ex1)" <david_ritzenthaler@...>
To: "'WireTronic'" <sales@...>
Sent: Tuesday, February 19, 2002 1:39 PM
Subject: RE: samples

> okay, that is fairly expensive.
> How about 1 foot of those for 1/3 the price?
> Dave
>
>
> > -----Original Message-----
> > From: WireTronic [mailto:sales@...]
> > Sent: Tuesday, February 19, 2002 11:47 AM
> > To: RITZENTHALER,DAVID (HP-Boise,ex1)
> > Subject: Re: samples
> >

> >
> > We have a Nichrome sampler engineering pack:
> > We can include each of the awg sizes you asked for except we
> > would have to
> > subst. 33 awg or 35 awg for the 34 which is not in stock.
> > You would get 3
> > ft of each.
> > Cost: $ 65
> >
> > We take all major credit cards.
> >
> > Best Regards,
> > Bruce H Dixon, Sales Consultant
> > WireTronic Inc.
> > Toll Free 1-888-WIRETRO (947-3876) in US, Canada, Mexico &
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> > Email: sales@...
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> > Intl ph. 209-296-8460
> > FAX 209-296-8462
> >
> > Visit our web site at: www.wiretron.com
> > ----- Original Message -----
> > From: "RITZENTHALER,DAVID (HP-Boise,ex1)" <david_ritzenthaler@...>
> > To: <sales@...>
> > Sent: Tuesday, February 19, 2002 9:05 AM
> > Subject: samples
> >
> >
> > > Do you guys provide samples?
> > >
> > > Could i get about 12 inches of:
> > > Nichrome
> > > AWG: 30,32,34,36,38,40
> > >
> > > Need to run some tests.....
> > > Thanks
> > >
> > >
> > > --
> > > David Ritzenthaler - Hardware Design Engr.
> > > 208.396.3618 - david_ritzenthaler@...
> > > Hewlett-Packard - 11311 Chinden Boulevard
> > > Mail stop 135 - Boise, ID 83714-1021
> >

1943. reasonable nichrome wire pricing

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-20 00:57:22 UTC
From: Hank Riley
Topic: 1937 Message: 1943

> Hope you understand. We all have to make a living.

Looks like there's room for a subcontractor like me
to make money for this outfit by buying model rocket
nichrome and reselling to this place, thus relieving
it of this onerous labor burden it's bearing. :)

> Surely HP can afford $65?

Yeah, but it's too smart to. For $65 I'd like an
azure velvet-lined phillipine mahogany case for
the samples, and make the hinges and clasp gold
plate, please.

Hank

_____
Do You Yahoo!?
Yahoo! Sports - Coverage of the 2002 Olympic Games
http://sports.yahoo.com

1944. Re: [tvnsp] Nichrome

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-20 01:08:10 UTC
From: Tony Barrett
Topic: 1933 Message: 1944
Attachments: 2 described; binary payloads are missing from this source WARC

David,

To some degree its a matter of thermal mass. The wire won't get to 500 C if the line acts as too much of a heatsink. And the battery voltage may sag to almost nothing if the load is too big. No volts, no current, no heat. You might find some combination that works, but just using smaller wire is not necessarily a solution. You want to get the line hot, not just the wire.

Why melt something when you can cut it? I would still like to see some kind of a mouse trap device that has lots of energy stored in it on the ground, then, using a very low powered release mechanism, release the stored energy. Even a wind up motor could saw through the line. And then there are flashbulbs that get really hot if you whack the end with a good stiff spring.

At 08:48 AM 2/19/02 -0800, you wrote:
>Okay, newbie question here.....
>
>A few weeks back at the meeting at hobby town, there
>was some discussion about the power supply having current
>limitation issues when activating the cut down device.
>
>Specifically the issue was that the Nichrome solution
>required more current than the power supply could deliver,
>and therefore, was not getting hot enough....
>
>so my "bucket head" question is : "why not use a smaller
>diameter of Nichrome?"
>
><http://www.wiretron.com/nicrdat.html>http://www.wiretron.com/nicrdat.html
>
>This webpage indicates "(Note: For *Coiled* elements divide *straight*
>wire amps by 2 for approximation purposes. "
>
>What have people found to be a good temperature to shoot for when
>utilizing Nichrome? It seems like 500C would be enough....
>
>So the practical solution (to the untrained eye) would be to just
>select a smaller diameter piece of Nichrome, and coil it (with the
>load line in the center of the coil....) and then hit it with whatever
>power supply you have available.
>
>
>

>
>--
>David Ritzenthaler - Hardware Design Engr.
>208.396.3618 - david_ritzenthaler@...
>Hewlett-Packard - 11311 Chinden Boulevard
> Mail stop 135 - Boise, ID 83714-1021
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><http://docs.yahoo.com/info/terms/>Yahoo! Terms of Service.

1945. Re: [tvnsp] FW: samples

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-20 01:12:06 UTC
From: Tony Barrett
Topic: 1937 Message: 1945
Attachments: 2 described; binary payloads are missing from this source WARC

Dave,

Got an old toaster you can steal the nichrome out of?

Tony

At 04:33 PM 2/19/02 -0500, you wrote:
>ouch.
>Check out these prices.
>
>-----Original Message-----
>From: WireTronic [mailto:sales@...]
>Sent: Tuesday, February 19, 2002 11:47 AM
>To: RITZENTHALER,DAVID (HP-Boise,ex1)
>Subject: Re: Nichrome
>
>
>We have a Nichrome sampler engineering pack:
>We can include each of the awg sizes you asked for except we would have to
>subst. 33 awg or 35 awg for the 34 which is not in stock. You would get 3
>ft of each.
>Cost: $ 65
>
>We take all major credit cards.
>
>Best Regards,
>Bruce H Dixon, Sales Consultant
>WireTronic Inc.
>Toll Free 1-888-WIRETRO (947-3876) in US, Canada, Mexico & Virgin Islands
>Email: sales@...
>Web: <http://www.wiretron.com>http://www.wiretron.com
>
>WireTronic Inc.
>19698 State Hwy 88 #C
>Pine Grove CA 95665-9458
>
>Intl ph. 209-296-8460
>FAX 209-296-8462
>
>Visit our web site at: www.wiretron.com
>----- Original Message -----
>From: "RITZENTHALER,DAVID (HP-Boise,ex1)" <david_ritzenthaler@...>
>To: <sales@...>
>Sent: Tuesday, February 19, 2002 9:05 AM
>Subject: Nichrome

>
>
> >
> > Could i get about 12 inches of:
> > Nichrome
> > AWG: 30,32,34,36,38,40
> >
> > Need to run some tests.....
> > Thanks
> >
> >
> > --
> > David Ritzenthaler - Hardware Design Engr.
> > 208.396.3618 - david_ritzenthaler@...
> > Hewlett-Packard - 11311 Chinden Boulevard
> > Mail stop 135 - Boise, ID 83714-1021
>
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><http://rd.yahoo.com/M=217097.1884387.3381019.1261774/D=egroupweb/S=1705083281:HM/A=96017
3/R=0/*http://service.bfast.com/bfast/click?bfmid=29150849&siteid=39249818&bfpage=moneyyah
oo4>3a7b7f.jpg
>3a7e9f.jpg
>
>To unsubscribe from this group, send an email to:
>tvnsp-unsubscribe@egroups.com
>
>
>
>Your use of Yahoo! Groups is subject to the
><http://docs.yahoo.com/info/terms/>Yahoo! Terms of Service.

1946. RE: [tvnsp] FW: samples

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-20 01:14:04 UTC
From: Tony Barrett
Topic: 1937 Message: 1946
Attachments: 2 described; binary payloads are missing from this source WARC

Not to be too negative here, but my tests indicate that you won't get 1/2
amp from 4 AAs in series for more than a few milliseconds - if that!

At 05:03 PM 2/19/02 -0500, you wrote:
>If we all went in on a 10 foot role together, that
>would work out well I think... I need a foot for my class
>project.
>
>So you think the 33 would work? assuming we could deliver
>1/2 amp we'd get 538C. I don't know the flash point of load
>line off the top of my head.
>
>Will 4 AA batteries in series provide 1/2 amp for 10 seconds?
>
>
> Dave
>
> -----Original Message-----
>From: verhap@... [mailto:verhap@...]
>Sent: Tuesday, February 19, 2002 7:38 AM
>To: tvnsp@yahoogroups.com
>Subject: Re: [tvnsp] FW: samples
>
>I bought mine mail order. I think it was from Mouser Electronics. I
>have a 10 foot spool of wire, so I have plenty to share. Does
>someone want to purchase a 10 foot roll of 33 gauge? I've got
>some 30 gauge to trade.
>
>Paul
>
> > ouch.
> > Check out these prices.
> >
> > -----Original Message-----
> > From: WireTronic [mailto:sales@...]
> > Sent: Tuesday, February 19, 2002 11:47 AM
> > To: RITZENTHALER,DAVID (HP-Boise,ex1)
> > Subject: Re: Nichrome
> >
> >
> > We have a Nichrome sampler engineering pack:
> > We can include each of the awg sizes you asked for except we would have to
> > subst. 33 awg or 35 awg for the 34 which is not in stock. You would get 3
> > ft of each.

> > Cost: $ 65
> >
> > We take all major credit cards.
> >
> > Best Regards,
> > Bruce H Dixon, Sales Consultant
> > WireTronic Inc.
> > Toll Free 1-888-WIRETRO (947-3876) in US, Canada, Mexico & Virgin Islands
> > Email: sales@...
> > Web: <http://www.wiretron.com>http://www.wiretron.com
> >
> > WireTronic Inc.
> > 19698 State Hwy 88 #C
> > Pine Grove CA 95665-9458
> >
> > Intl ph. 209-296-8460
> > FAX 209-296-8462
> >
> > Visit our web site at: www.wiretron.com
> > ----- Original Message -----
> > From: "RITZENTHALER,DAVID (HP-Boise,ex1)" <david_ritzenthaler@...>
> > To: <sales@...>
> > Sent: Tuesday, February 19, 2002 9:05 AM
> > Subject: Nichrome
> >
> >
> > >
> > > Could i get about 12 inches of:
> > > Nichrome
> > > AWG: 30,32,34,36,38,40
> > >
> > > Need to run some tests.....
> > > Thanks
> > >
> > >
> > > --
> > > David Ritzenthaler - Hardware Design Engr.
> > > 208.396.3618 - david_ritzenthaler@...
> > > Hewlett-Packard - 11311 Chinden Boulevard
> > > Mail stop 135 - Boise, ID 83714-1021
> >
> >
> > To unsubscribe from this group, send an email to:
> > tvnsp-unsubscribe@egroups.com
> >
> >
> >
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>To unsubscribe from this group, send an email to:
>tvnsp-unsubscribe@egroups.com
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3/R=0/*http://service.bfast.com/bfast/click?bfmid=29150849&siteid=39249818&bfpage=moneyyah
oo4>3c47d9.jpg
>3c49ea.jpg
>
>To unsubscribe from this group, send an email to:
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>
>
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><http://docs.yahoo.com/info/terms/>Yahoo! Terms of Service.

1947. Re: [tvnsp] Re: FW: samples

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-20 01:15:39 UTC
From: Tony Barrett
Topic: 1937 Message: 1947

You can buy foam cutter wire at Hobby Town USA for a couple of bucks!

At 11:08 PM 2/19/02 +0000, you wrote:
>The engineering sampler pricing is NUTS! This following offer
>is from a busted link I found at google. It's quoted here just
>to establish a realistic small quantity pricing reference point.
>
>I have another earlier post but it's not getting through by
>email, so I'm using the egroups website now.
>
>Hank
>-----------------
>
>Let us send you a free gift of 10 feet of 36 gauge NiChrome
>60 wire (a $2 value). It works great for "electric matches",
>pyrogenic igniters and DIY foam-cutters. Just enter your
>information below and we'll mail it to you...
>
> > We have a Nichrome sampler engineering pack:
>
> > We can include each of the awg sizes you asked for except
> > we would have to subst. 33 awg or 35 awg for the 34 which
> > is not in stock. You would get 3 ft of each.
>
> > Cost: $ 65 [for 18 feet total]
>
>
>
>To unsubscribe from this group, send an email to:
>tvnsp-unsubscribe@egroups.com
>
>
>
>Your use of Yahoo! Groups is subject to the
><http://docs.yahoo.com/info/terms/>Yahoo! Terms of Service.

1948. Re: [tvnsp] reasonable nichrome wire pricing

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-20 01:25:43 UTC
From: Hank Riley
Topic: 1937 Message: 1948

Okay, 10 cents a foot so far.

Aerocon Systems may want to license Wiretronic its technology
for handling the nichrome wire nuisance so well that it can sell
nichrome wire for less than 1/25th the price of Wiretronic! :)

I'm trying to locate the webpage for the Arizona model rocket
place. Its free wire offer is still in effect, but it may take
3 months for it to come through (only 4 shipments a year for this
freebie).

Hank

A Model Rocket Outfit in Arizona

Resistance Wire

Nichrome Wire - 36 gauge
36 gauge. NiChrome-60 alloy. Perfect for electrical ignition
of rocket motors and for "electric matches"
To order: ft @ $.20 per foot

Nichrome Wire - 27 gauge
27 gauge. NiChrome-60 Alloy. Heavy-gauge resistance wire perfect
for heavy-duty foam/plastic cutting, DIY electrical furnaces,
DIY power resistors, etc.

Caution: Don't use this stuff for small igniters...use the 36
gauge for this purpose
To order: ft @ $.35 per foot
---

www.aeroconsystems.com/electronics/nichrome.htm

Nichrome Wire

This high quality new stock 34 gauge nichrome wire is perfect for
making your own electric matches.

50 feet for $6.00

The cost really isn't the wire itself, it's the handling!
You would not believe what a hassle it is to get it off the
spool, measured, and onto a card that won't unravel into a
rat's nest as soon as you open it up. When I figure out a
way to do it the price will certainly go down, I'm working on it.

Do You Yahoo!?
Yahoo! Sports - Coverage of the 2002 Olympic Games
http://sports.yahoo.com

1949. Re: [tvnsp] FW: samples

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-20 01:29:18 UTC
From: Craig Brunson
Topic: 1937 Message: 1949

We use ~3.5" of 30awg Nichrome wire and heat it with either 2 each 2/3 A (6v) or 3 each 2/3 A (9v) lithium batteries. This is used to cut 215lb, 550lb, & 1000lb nylon cord. It will cut the cord in 3 to 5 seconds. The Nichrome is wound around the cord with 7 loops. This is the standard cutter that we use for NASA & NOAA. It is not affected by the cold & has been tested dozens of times to well over 100k ft.

Good luck

Craig
N7TSZ

----- Original Message -----
From: "Tony Barrett" <tonybarrett@...>

> Not to be too negative here, but my tests indicate that you won't get 1/2
> amp from 4 AAs in series for more than a few milliseconds - if that!

1950. Re: FW: samples

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-20 01:39:02 UTC
From: n1ltv
Topic: 1937 Message: 1950

> Not to be too negative here, but my tests indicate that
> you won't get 1/2 amp from 4 AAs in series for more than
> a few milliseconds - if that!

That is no way close, at least with alkalines anywhere near
room temperature.

I just tested two Rayovac AA alkaline cells, one at a time,
by touching each to three foot long VOM test leads and got 4
amps steady for 10 seconds will *no* noticeable sag. The number
in series will not affect the short circuit amps (either up or
down).

With a solid connection (and not 6 feet of lead) it might have
been a little higher.

At least one consumer application which asks for 1/2 amp for
a long time from AAs is camera electronic flash units.

Hank

1951. RE: [tvnsp] Re: FW: samples

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-20 01:49:24 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 1937 Message: 1951

A single Duracell AA (practically new) gave 3.2 Amps till i got bored (about
45 seconds).

-----Original Message-----
From: n1ltv [mailto:n1ltv@...]
Sent: Tuesday, February 19, 2002 6:39 PM
To: tvnsp@yahoogroups.com
Subject: [tvnsp] Re: FW: samples

> Not to be too negative here, but my tests indicate that
> you won't get 1/2 amp from 4 AAs in series for more than
> a few milliseconds - if that!

That is no way close, at least with alkalines anywhere near
room temperature.

I just tested two Rayovac AA alkaline cells, one at a time,
by touching each to three foot long VOM test leads and got 4
amps steady for 10 seconds will *no* noticeable sag. The number
in series will not affect the short circuit amps (either up or
down).

With a solid connection (and not 6 feet of lead) it might have
been a little higher.

At least one consumer application which asks for 1/2 amp for
a long time from AAs is camera electronic flash units.

Hank

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81:HM/A=960173/R=0/*http://service.bfast.com/bfast/click?bfmid=29150849&site
id=39249818&bfpage=moneyyahoo4>

<http://us.adserver.yahoo.com/l?M=217097.1884387.3381019.1261774/D=egroupmai
l/S=1705083281:HM/A=960173/rand=632119761>

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<http://docs.yahoo.com/info/terms/> .

1952. RE: [tvnsp] Re: FW: samples

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-20 02:09:18 UTC
From: Tony Barrett
Topic: 1937 Message: 1952

I stand corrected. Rechecking my data it was for AA nicads.

At 08:49 PM 2/19/02 -0500, you wrote:
>A single Duracell AA (practically new) gave 3.2 Amps till i got bored
>(about 45 seconds).
>
>-----Original Message-----
>From: n1ltv [mailto:n1ltv@...]
>Sent: Tuesday, February 19, 2002 6:39 PM
>To: tvnsp@yahoogroups.com
>Subject: [tvnsp] Re: FW: samples
>
> > Not to be too negative here, but my tests indicate that
> > you won't get 1/2 amp from 4 AAs in series for more than
> > a few milliseconds - if that!
>
>That is no way close, at least with alkalines anywhere near
>room temperature.
>
>I just tested two Rayovac AA alkaline cells, one at a time,
>by touching each to three foot long VOM test leads and got 4
>amps steady for 10 seconds will *no* noticeable sag. The number
>in series will not affect the short circuit amps (either up or
>down).
>
>With a solid connection (and not 6 feet of lead) it might have
>been a little higher.
>
>At least one consumer application which asks for 1/2 amp for
>a long time from AAs is camera electronic flash units.
>
>Hank
>
>
>
>
>
>
>To unsubscribe from this group, send an email to:
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>
>
>
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>
>
>
>Your use of Yahoo! Groups is subject to the
><http://docs.yahoo.com/info/terms/>Yahoo! Terms of Service.

1953. Tracking Predictions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-20 04:32:57 UTC
From: Zack Clobes
Topic: 1953 Message: 1953
Attachments: 1 described; binary payloads are missing from this source WARC

I'm wondering if someone would mind checking my predictions that I just ran (in preparation for the 9 March launch). I pulled data from the Dodge City (DDC) and Topeka (TOP) data sets and got landing predictions that were about 40 miles apart. I've attached a map that shows the two predictions.

The top path was from the Topeka data, and the bottom set was from Dodge City.

The soundings came from http://www.met.fsu.edu/CUDOS/cgi/ezuacode.html. It was about 8:00pm (central) on 19 Feb 2002 but I can't seem to find a date/time from the report.

I'm using the latest version of Balloon Tracker (from EOSS).

Thanks,
Zack Clobes, W0ZC

1954. Re: [tvnsp] Tracking Predictions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-20 02:46:29 UTC
From: Hank Riley
Topic: 1953 Message: 1954

> I'm wondering if someone would mind checking my
> predictions that I just ran

Sure, but we have to know your ascent and descent speeds
and burst height. Burst height may be on the map graphic
but it can't be read with the overlapping labels.

You can get ascent speed and burst height from LIFTWIN .

http://www.geocities.com/n1ltv/liftwin.htm

Hank

Do You Yahoo!?
Yahoo! Sports - Coverage of the 2002 Olympic Games
http://sports.yahoo.com

1955. Re: [tvnsp] Tracking Predictions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-20 03:32:07 UTC
From: Mark Conner
Topic: 1953 Message: 1955

The original post didn't go to KNSP, but this reply will.

Instead of using DDC or TOP observed soundings for your predictions, I would recommend using a forecast sounding for HUT.

Go to this website
http://www.arl.noaa.gov/ready-bin/profsrc.pl?metdata=MRF+191+km

and enter "HUT" for the ID. Then select the time period you're interested in on the next page (max of 288 hours or 12 days out) and generate the sounding. When you see the graphic, click on the "Sounding text and any error messages" link and save that text file. You can import that into Balloon Track and use those winds.

When you get within 60 hours of launch, go to this page:
http://www.arl.noaa.gov/ready/cmet.html

and select either the Eta 91km or AVN 191km next to the forecast soundings block and proceed as above.

Dodge City and Topeka are a little far away to use, and today's winds won't tell you much about a March 9th launch. The forecast soundings will be better once you're within 12 days of your launch date.

73 de Mark N9XTN
----- Original Message -----
From: Zack Clobes
To: tvnsp@yahoogroups.com ; knsp@...
Sent: Tuesday, February 19, 2002 22:32
Subject: [tvnsp] Tracking Predictions

I'm wondering if someone would mind checking my predictions that I just ran (in preparation for the 9 March launch). I pulled data from the Dodge City (DDC) and Topeka (TOP) data sets and got landing predictions that were about 40 miles apart. I've attached a map that shows the two predictions.

The top path was from the Topeka data, and the bottom set was from Dodge City.

The soundings came from http://www.met.fsu.edu/CUDOS/cgi/ezuacode.html. It was about 8:00pm (central) on 19 Feb 2002 but I can't seem to find a date/time from the report.

I'm using the latest version of Balloon Tracker (from EOSS).

Thanks,
Zack Clobes, W0ZC

1956. Re: [tvnsp] Tracking Predictions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-20 05:58:52 UTC
From: Zack Clobes
Topic: 1953 Message: 1956

Thanks for the pointers - I realize I'm a bit too far out to predict anything, but with the first two launches, I didn't feel that the predictions were telling me anything. They just seemed to change far too much from sounding to sounding and day to day. I'm trying to get better prepared for this one.

How accurate do you feel the sounding predictions are one to two days before a launch?
----- Original Message -----
From: Mark Conner
To: tvnsp@yahoogroups.com ; KNSP
Sent: Tuesday, February 19, 2002 7:32 PM
Subject: Re: [tvnsp] Tracking Predictions

The original post didn't go to KNSP, but this reply will.

Instead of using DDC or TOP observed soundings for your predictions, I would recommend using a forecast sounding for HUT.

Go to this website
http://www.arl.noaa.gov/ready-bin/profsrc.pl?metdata=MRF+191+km

and enter "HUT" for the ID. Then select the time period you're interested in on the next page (max of 288 hours or 12 days out) and generate the sounding. When you see the graphic, click on the "Sounding text and any error messages" link and save that text file. You can import that into Balloon Track and use those winds.

When you get within 60 hours of launch, go to this page:
http://www.arl.noaa.gov/ready/cmet.html

and select either the Eta 91km or AVN 191km next to the forecast soundings block and proceed as above.

Dodge City and Topeka are a little far away to use, and today's winds won't tell you much about a March 9th launch. The forecast soundings will be better once you're within 12 days of your launch date.

73 de Mark N9XTN
----- Original Message -----
From: Zack Clobes
To: tvnsp@yahoogroups.com ; knsp@...
Sent: Tuesday, February 19, 2002 22:32
Subject: [tvnsp] Tracking Predictions

I'm wondering if someone would mind checking my predictions that I just ran (in preparation for the 9 March launch). I pulled data from the Dodge City (DDC) and Topeka (TOP) data sets and got landing predictions that were about 40 miles apart. I've attached a map that shows the two predictions.

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Thanks,
Zack Clobes, W0ZC

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1957. Re: [tvnsp] Tracking Predictions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-20 04:05:38 UTC
From: Mark Conner
Topic: 1953 Message: 1957

It depends on the situation. If there are radical changes in the weather happening on the day of the launch, then the predictions are not as good. When I get within two days of launch, I use wind data from predictions +/- 6 hours of launch time to see how much they vary - if they change a lot, I have less confidence in the particulars of the prediction.

The one place where I use the current sounding data is above 65,000 ft. The models do poorly up high, and the winds don't change a lot from day to day. So I take the current sounding and use it to replace any model data above 65,000 ft. Otherwise I don't use current soundings for much, except as a last-minute check on launch day if I can get the 12Z sounding. Your distance from either TOP or DDC makes it hard to use a sounding for even that much.

Also, with long-range predictions I check out what NWS is saying about how the models are doing. It takes a lot of interpretation, but you can use http://www.hpc.ncep.noaa.gov/discussions/pmdepd.html to see what they're saying. If there's a lot of talk about "low confidence in the models", then take any predictions you make with them with a grain of salt.

73 de Mark N9XTN
----- Original Message -----
From: Zack Clobes
To: tvnsp@yahoogroups.com
Sent: Tuesday, February 19, 2002 23:58
Subject: Re: [tvnsp] Tracking Predictions

Thanks for the pointers - I realize I'm a bit too far out to predict anything, but with the first two launches, I didn't feel that the predictions were telling me anything. They just seemed to change far too much from sounding to sounding and day to day. I'm trying to get better prepared for this one.

How accurate do you feel the sounding predictions are one to two days before a launch?
----- Original Message -----
From: Mark Conner
To: tvnsp@yahoogroups.com ; KNSP
Sent: Tuesday, February 19, 2002 7:32 PM
Subject: Re: [tvnsp] Tracking Predictions

The original post didn't go to KNSP, but this reply will.

Instead of using DDC or TOP observed soundings for your predictions, I would recommend using a forecast sounding for HUT.

Go to this website
http://www.arl.noaa.gov/ready-bin/profsrc.pl?metdata=MRF+191+km

and enter "HUT" for the ID. Then select the time period you're interested in on the next page (max of 288 hours or 12 days out) and generate the sounding. When you see the graphic,

click on the "Sounding text and any error messages" link and save that text file. You can import that into Balloon Track and use those winds.

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73 de Mark N9XTN
----- Original Message -----
From: Zack Clobes
To: tvnsp@yahoogroups.com ; knsp@...
Sent: Tuesday, February 19, 2002 22:32
Subject: [tvnsp] Tracking Predictions

I'm wondering if someone would mind checking my predictions that I just ran (in preparation for the 9 March launch). I pulled data from the Dodge City (DDC) and Topeka (TOP) data sets and got landing predictions that were about 40 miles apart. I've attached a map that shows the two predictions.

The top path was from the Topeka data, and the bottom set was from Dodge City.

The soundings came from http://www.met.fsu.edu/CUDOS/cgi/ezuacode.html. It was about 8:00pm (central) on 19 Feb 2002 but I can't seem to find a date/time from the report.

I'm using the latest version of Balloon Tracker (from EOSS).

Thanks,
Zack Clobes, W0ZC

1958. RE: [tvnsp] FW: samples

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-20 14:30:21 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1937 Message: 1958

> Will 4 AA batteries in series provide 1/2 amp for 10 seconds?

I tried 4 "AA"'s but didn't get any results. I'll bring the cutdown tot
he next meeting to show.

Four "AA"s would be cheaper than the 6 volt camera battery I've
used before.

Paul

1959. Re: [tvnsp] FW: samples

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-20 14:33:11 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1937 Message: 1959

> Mouser online and the print catalog do not seem to list
> nichrome wire in any form. It's not that common an item
> with electronics distibutors.
>
> Paul, I wondered where you got yours. Mike Manes of EOSS
> buys junky hair dryers at flea markets and pulls them apart
> just for the wire.

Then it wasn't Mouser. I'll see if I can find the catalog.
Paul

1960. Re: [tvnsp] Re: FW: samples

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-20 14:39:58 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1937 Message: 1960

> You can buy foam cutter wire at Hobby Town USA for a couple of bucks!

Don't do it. I tried that wire, it's a larger gauge, and it didn't work.
The smaller 30 gauge stuff I have works well with a 6 volt camera
battery.

Paul

1961. DCC 2002

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-20 15:10:35 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1961 Message: 1961

I'm planning to present at the Digital Communications Conference (this September, I think). Is anyone else in the near space commuinity interested in presenting? I'll post a website as soon as I find it. Info on the previous DCCs can be found at the TAPR and ARRL websites.

Paul

1962. Nichrome Wire

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-20 15:36:43 UTC
From: Doug Rich
Topic: 1962 Message: 1962

Various sizes of Nichrome wire starting at $1.50 per foot can be found out:
http://www.sisweb.com/ms/sis/wire3.htm

Doug KD6GCL

kd6gcl@...
doug@...

1963. cutdown details

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-20 17:10:52 UTC
From: Hank Riley
Topic: 1937 Message: 1963

> I tried 4 "AA"'s but didn't get any results. I'll bring the
> cutdown to the next meeting to show.
>
> Four "AA"s would be cheaper than the 6 volt camera battery
> I've used before.
>
> Paul

Paul, do you mean you didn't get satisfactory heating/melting
with the AAs, or that you didn't meter the current/voltage?

Was the camera battery a lithium type?

This has been an interesting thread. For one thing now I
know where to get nichrome wire for a foam cutter.

I have one more question, how long is the cable from the
nichrome to the nichrome heating battery? With these high
currents and low voltages, cable and battery socket resistances
can have a large effect on the power that gets to the nichrome.

Hank

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http://sports.yahoo.com

1964. Re: [tvnsp] cutdown details

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-20 17:21:29 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1937 Message: 1964

> Paul, do you mean you didn't get satisfactory heating/melting
> with the AAs, or that you didn't meter the current/voltage?

The nichrome wire didn't get hot.

> Was the camera battery a lithium type?

The battery is a $10, 6 volt, lithium camera battery. I think it's
2CR5.

> I have one more question, how long is the cable from the
> nichrome to the nichrome heating battery? With these high
> currents and low voltages, cable and battery socket resistances
> can have a large effect on the power that gets to the nichrome.

From the battery to nichrome is about 2".

Paul

1965. Foam-cutting nichrome

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-20 18:35:22 UTC
From: Mark Conner
Topic: 1965 Message: 1965

What's typically used to heat nichrome for foam cutting? I have some foam pieces I'd like to cut for use in my capsule construction - a knife doesn't work too well. I have a 15V 8A supply for my NiMH charger and a 13.8V 25A supply for running my home APRS station - just wondering if either of those would be suitable or whether I'd need to buy something purpose-built.

- Mark

1966. Re: [tvnsp] Foam-cutting nichrome

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-20 19:00:25 UTC
From: Hank Riley
Topic: 1965 Message: 1966

> What's typically used to heat nichrome for foam cutting?

Unregulated AC at a few amperes (1-3).

> I have some foam pieces I'd like to cut for use in my
> capsule construction - a knife doesn't work too well.

Anyone who has worked with styrofoam for a while finds out
how sloppy cold knife cutting can be. :)

> I have
> a 15V 8A supply for my NiMH charger and a 13.8V 25A supply for
> running my home APRS station -just wondering if either of those
> would be suitable or whether I'd need to
> buy something purpose-built.

Mark, this would work in that you have more than enough voltage
and current, but a simple hefty filament transformer fed by
a Variac for adjusting cutter current would be much better.

Hank

_____
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Yahoo! Sports - Coverage of the 2002 Olympic Games
http://sports.yahoo.com

1967. Re: [tvnsp] Foam-cutting nichrome

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-20 19:01:50 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1965 Message: 1967

> What's typically used to heat nichrome for foam cutting? I have some
> foam pieces I'd like to cut for use in my capsule construction - a
> knife doesn't work too well. I have a 15V 8A supply for my NiMH
> charger and a 13.8V 25A supply for running my home APRS station - just
> wondering if either of those would be suitable or whether I'd need to
> buy something purpose-built.

I'll check my foam cutter tonight. but I think those voltages are in
the right range. The foam cutters don't glow orange hot like the line
cutter does.

Paul

1968. Re: [tvnsp] Foam-cutting nichrome

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-20 19:09:50 UTC
From: Hank Riley
Topic: 1965 Message: 1968

> Mark, this would work in that you have more than enough voltage
> and current, but a simple hefty filament transformer fed by
> a Variac for adjusting cutter current would be much better.

Or a TRIAC for current adjustment. A lamp dimmer module
could be modified to run on low voltage and then you'd
have that part factory made.

Hank

_____
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Yahoo! Sports - Coverage of the 2002 Olympic Games
http://sports.yahoo.com

1969. cutdowns and smoke bomb

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-20 19:56:24 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1969 Message: 1969

I had one of my students run an experiment with the cutdowns I designed. Bill and Mark, make sure you use the 5 volt reed relays. Radio Shack makes a 12 volt relay that won't work. I don't know which relay I gave the part number for in my instructions.

When driving to school last Friday, I heard on the radio that Eagle High School had been closed on Thursady because a student lit a smoke bomb. The report went on to say that the student used a timer to light the fuse. I realized at that time that Kevin was experimenting with my circuit in class. I have visions of the police waiting for me once I got to school.

Everything turned out alright. It turns out that Kevin goes to the other Meridian high school. I also found the circuit in his tool drawer, he hadn't taken it to school with him. Just to be save, the cutdown is on my desk. Kevin will still test it, but he won't take it with him to shcool.

Paul "that was close" Verhage

1970. RE: [tvnsp] cutdowns and smoke bomb

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-20 22:32:29 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 1969 Message: 1970

Paul,

You just have a way of getting into these fixes, don't you?

Bill B.

> -----Original Message-----

> When driving to school last Friday, I heard on the radio that Eagle
> High School had been closed on Thursady because a student lit a
> smoke bomb. The report went on to say that the student used a
> timer to light the fuse. I realized at that time that Kevin was
> experimenting with my circuit in class. I have visions of the police
> waiting for me once I got to school.
>
> Everything turned out alright. It turns out that Kevin goes to the
> other Meridian high school. I also found the circuit in his tool
> drawer, he hadn't taken it to school with him. Just to be save, the
> cutdown is on my desk. Kevin will still test it, but he
> won't take it
> with him to shcool.
>
> Paul "that was close" Verhage
>

1971. Mall Help Needed

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-21 14:46:48 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1971 Message: 1971

Help!

No one has said they can help out at the Mall on Saturday, however I have had two tell me that they can't make it. The TVNSP table needs to be manned from 9:30 AM to 9:30 PM. I plan to be there all day, but will need time to get lunch and dinner.

Please let me know when you can help out.

Paul

1972. Re: [tvnsp] Mall Help Needed

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-21 14:55:12 UTC
From: Mike Garske
Topic: 1971 Message: 1972

Sorry Paul, that is a work day for me......

Mike KC7DPD

----- Original Message -----
From: <verhap@...>
To: <tvnsp@yahoogroups.com>
Sent: Thursday, February 21, 2002 7:46 AM
Subject: [tvnsp] Mall Help Needed

> Help!
>
> No one has said they can help out at the Mall on Saturday,
> however I have had two tell me that they can't make it. The TVNSP
> table needs to be manned from 9:30 AM to 9:30 PM. I plan to be
> there all day, but will need time to get lunch and dinner.
>
> Please let me know when you can help out.
>
> Paul
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
>
>

1973. Re: [tvnsp] Nichrome Wire

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-21 15:04:40 UTC
From: Doug Rich
Topic: 1962 Message: 1973

Got a friendly note from the sales dept. of WireTronic Inc.
"Sure, we have 30 awg and much smaller if you need it. Let me know what
sizes and what qty of each and I'll email you back the prices."

Use sales@... for questions.

Doug

At 08:36 AM 2/20/02 -0700, you wrote:
>Various sizes of Nichrome wire starting at $1.50 per foot can be found out:
>http://www.sisweb.com/ms/sis/wire3.htm
>
>Doug KD6GCL
>
>kd6gcl@...
>doug@...
>
>
>
>To unsubscribe from this group, send an email to:
>tvnsp-unsubscribe@egroups.com
>
>
>
>Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

1974. Re: [tvnsp] Nichrome Wire

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-21 15:05:15 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1962 Message: 1974

> Got a friendly note from the sales dept. of WireTronic Inc.
> "Sure, we have 30 awg and much smaller if you need it. Let me know what
> sizes and what qty of each and I'll email you back the prices."
>
> Use sales@... for questions.
>
> Doug
>
> At 08:36 AM 2/20/02 -0700, you wrote:
> >Various sizes of Nichrome wire starting at $1.50 per foot can be found out:
> >http://www.sisweb.com/ms/sis/wire3.htm

Anyone interested in testing different diameters?

Paul

1975. Another APRS+SA question

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-21 15:11:42 UTC
From: Mike Garske
Topic: 1975 Message: 1975

Hello all,

I don't seem to get all the stations mapped in Street Atlas under the Track section....is there a setting to send everything heard to the map? Or do I have to pick the ones I want? I can get a map of some of the stationary reports, but the mobile station stay on for about 10 seconds and then disappear. Give me some suggestions, or settings I need to adjust! Thanks!

Mike KC7DPD

P.S. I have my APRS going right now if anyone is looking at it.....8:11am

1976. Re: [tvnsp] Another APRS+SA question

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-21 15:46:27 UTC
From: Mark Conner
Topic: 1975 Message: 1976

Go to the Maps tab and pick Map #2. That should give you all stations
plus show tracks for moving stations.

If you map "tracked" stations, then that is all you get - none of the
others will show.

73 de Mark N9XTN

----- Original Message -----
From: "Mike Garske" <kc7dpd@...>
Date: Thursday, February 21, 2002 9:11 am
Subject: [tvnsp] Another APRS+SA question

> Hello all,
>
> I don't seem to get all the stations mapped in Street Atlas under
> the Track section....is there a setting to send everything heard
> to the map? Or do I have to pick the ones I want? I can get a map
> of some of the stationary reports, but the mobile station stay on
> for about 10 seconds and then disappear. Give me some suggestions,
> or settings I need to adjust! Thanks!
>
> Mike KC7DPD
>
> P.S. I have my APRS going right now if anyone is looking at
> it.....8:11am

1977. unproto / APRS symbols etc.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-21 16:26:16 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 1977 Message: 1977

Question......
what should my unproto settings be on my TNC?
When I did the backpacking thing I used
UNPROTO APTERM VIA R0MIR (Through the MIR)

What do I set it to if I want it to be wide3-3 for example?
do the wide settings go here?

The basic stamp is configuring the TNC manually for APRS...
It is working as of last night.... The serial GPS data is being
parsed, and combined with telemetry data and then put in the APRS
format.... And output to a TNC that is put in converse mode.
such as:
=DDMM.SSW/DDMM.SSNgblah blah blah blah blah
WinAPRS seems to recognize me just fine, I think my UNPROTO settings could
be better though...

As for the APRS symbols...
I'm using "g" for "hang glider", what do other folks use for near crafts?

--
David Ritzenthaler - Hardware Design Engr.
208.396.3618 - david_ritzenthaler@...
Hewlett-Packard - 11311 Chinden Boulevard
Mail stop 135 - Boise, ID 83714-1021

1978. Re: [tvnsp] unproto / APRS symbols etc.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-21 16:48:14 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1977 Message: 1978

> What do I set it to if I want it to be wide3-3 for example?
> do the wide settings go here?

I program a Wide3-3.

> As for the APRS symbols...
> I'm using "g" for "hang glider", what do other folks use for near crafts?

I use a SSID of 11, which is the standard for balloon. There is a
symbol for balloons (hot air ones, unfortunately [1]), but I don't
recall it off the top of my head

Paul
1. Hot air balloons only go a couple thousand feet up- those wimps!

1979. RE: [tvnsp] Nichrome Wire

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-21 17:10:25 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 1962 Message: 1979

I definitely want to try 32/34/36 , but Hanks email said he found it much
cheaper.

Okay, 10 cents a foot so far.

Aerocon Systems may want to license Wiretronic its technology
for handling the nichrome wire nuisance so well that it can sell
nichrome wire for less than 1/25th the price of Wiretronic! :)

I'm trying to locate the webpage for the Arizona model rocket
place. Its free wire offer is still in effect, but it may take
3 months for it to come through (only 4 shipments a year for this
freebie).

Hank

A Model Rocket Outfit in Arizona

Resistance Wire

Nichrome Wire - 36 gauge
36 gauge. NiChrome-60 alloy. Perfect for electrical ignition
of rocket motors and for "electric matches"
To order: ft @ $.20 per foot

Nichrome Wire - 27 gauge
27 gauge. NiChrome-60 Alloy. Heavy-gauge resistance wire perfect
for heavy-duty foam/plastic cutting, DIY electrical furnaces,
DIY power resistors, etc.

Caution: Don't use this stuff for small igniters...use the 36
gauge for this purpose
To order: ft @ $.35 per foot

-----Original Message-----
From: verhap@... [mailto:verhap@...]
Sent: Thursday, February 21, 2002 1:05 AM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] Nichrome Wire

> Got a friendly note from the sales dept. of WireTronic Inc.
> "Sure, we have 30 awg and much smaller if you need it. Let me know what
> sizes and what qty of each and I'll email you back the prices."
>
> Use sales@... for questions.
>
> Doug

>
> At 08:36 AM 2/20/02 -0700, you wrote:
> >Various sizes of Nichrome wire starting at $1.50 per foot can be found
out:
> > http://www.sisweb.com/ms/sis/wire3.htm
<http://www.sisweb.com/ms/sis/wire3.htm>

Anyone interested in testing different diameters?

Paul

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81:HM/A=960173/R=0/*http://service.bfast.com/bfast/click?bfmid=29150849&site
id=39249818&bfpage=moneyyahoo4>

<http://us.adserver.yahoo.com/l?M=217097.1884387.3381019.1261774/D=egroupmai
l/S=1705083281:HM/A=960173/rand=357687671>

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1980. Re: [tvnsp] Mall Help Needed

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-21 17:17:56 UTC
From: randy farley
Topic: 1971 Message: 1980

Paul
I cannot help Saturday,family commitments. May even have to
cut short the Sunday workshop,sorry. Hopefully you can get a
local to give you a break.

On Thu, 21 Feb 2002 07:46:48 -700
verhap@... wrote:
> Help!
>
> No one has said they can help out at the Mall on
> Saturday,
> however I have had two tell me that they can't make it.
> The TVNSP
> table needs to be manned from 9:30 AM to 9:30 PM. I plan
> to be
> there all day, but will need time to get lunch and
> dinner.
>
> Please let me know when you can help out.
>
> Paul
>
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> tvnsp-unsubscribe@egroups.com
>
>
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>
>

regards,

Randy

1981. Re: [tvnsp] reasonable nichrome wire pricing

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-21 19:18:13 UTC
From: Hank Riley
Topic: 1937 Message: 1981

DR> I definitely want to try 32/34/36 , but Hanks email said he
DR> found it much cheaper.

This is the lowest I found. If people wanted to split
this about 5 ways it would be very economical.

A little coil of this fine wire would go in a first class envelope
with just a few stamps.

I'd like to have 5 or ten feet of 34 gauge wire just because this
is the only size this outfit has. It's the popular size for rocket
ignition, but that's a different thermal situation than cord
cutting. As Tony mentioned earlier, the free air temperature
chart at Wiretron doesn't apply too much to the geometry where
the wire is in close contact with the cord that's being cut, although
there will still be an advantage to the smaller thermal mass of
the smaller gauge wire.

It's more the total power dissipated in the nichrome that counts
for cord cutting, so the choice of gauge should be based primarily
on getting the most power out of the available battery. Thus
the wire gauge is a way to adjust the resistance for maximum
power where half the power is dissipated in the battery internal
resistance and half in the load.

This analysis can be done methodically without the need for much
experimentation *if* you have the basic battery characteristics.

I made some quick battery measurements a few night ago on a few
rechargeables I had around and the AA alkaline cells.

Hank

> --
>
> www.aeroconsystems.com/electronics/nichrome.htm
>
> Nichrome Wire
>
> This high quality new stock 34 gauge nichrome wire is perfect for
> making your own electric matches.
>
> 50 feet for $6.00

____
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http://sports.yahoo.com

1982. RE: [tvnsp] reasonable nichrome wire pricing

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-21 20:54:52 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 1937 Message: 1982

I'm just going to order a bunch of this stuff,
it's so cheap.... I need it fast, for a school
project....
Unless you are going to order it real soon
(where do you live hank? Are you in the Boise area)
If you do place an order, grab 3 feet of 32/34/36 (or the closest
available) for me... naturally I'm happy to split shipping to you,
and pay for all my postage.

-----Original Message-----
From: Hank Riley [mailto:n1ltv@...]
Sent: Thursday, February 21, 2002 12:18 PM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] reasonable nichrome wire pricing

DR> I definitely want to try 32/34/36 , but Hanks email said he
DR> found it much cheaper.

This is the lowest I found. If people wanted to split
this about 5 ways it would be very economical.

A little coil of this fine wire would go in a first class envelope
with just a few stamps.

I'd like to have 5 or ten feet of 34 gauge wire just because this
is the only size this outfit has. It's the popular size for rocket
ignition, but that's a different thermal situation than cord
cutting. As Tony mentioned earlier, the free air temperature
chart at Wiretron doesn't apply too much to the geometry where
the wire is in close contact with the cord that's being cut, although
there will still be an advantage to the smaller thermal mass of
the smaller gauge wire.

It's more the total power dissipated in the nichrome that counts
for cord cutting, so the choice of gauge should be based primarily
on getting the most power out of the available battery. Thus
the wire gauge is a way to adjust the resistance for maximum
power where half the power is dissipated in the battery internal
resistance and half in the load.

This analysis can be done methodically without the need for much
experimentation *if* you have the basic battery characteristics.

I made some quick battery measurements a few night ago on a few
rechargeables I had around and the AA alkaline cells.

Hank

> --
>
> www.aeroconsystems.com/electronics/nichrome.htm
>
> Nichrome Wire
>
> This high quality new stock 34 gauge nichrome wire is perfect for
> making your own electric matches.
>
> 50 feet for $6.00

_____
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81:HM/A=960173/R=0/*http://service.bfast.com/bfast/click?bfmid=29150849&site
id=39249818&bfpage=moneyyahoo4>

<http://us.adserver.yahoo.com/l?M=217097.1884387.3381019.1261774/D=egroupmai
l/S=1705083281:HM/A=960173/rand=828630311>

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1983. RE: [tvnsp] reasonable nichrome wire pricing

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-21 21:13:21 UTC
From: Hank Riley
Topic: 1937 Message: 1983

> I'm just going to order a bunch of this stuff,
> it's so cheap.... I need it fast, for a school
> project....

David,

In that case you go ahead, and let me just mention that
I refound the other rocket place's website that sells
nichrome 36 gauge by the foot at 20 cents per.

http://www.ssaerospace.com/

You can check out its shipping guidelines and see if being
able to get less than a 50 feet length might come out better.
Just a few feet will go a long way.

Hank

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http://sports.yahoo.com

1984. RE: [tvnsp] reasonable nichrome wire pricing

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-21 21:14:21 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 1937 Message: 1984

I'll order some extra (as budget allows)
and if others want some just say so.

-----Original Message-----
From: Hank Riley [mailto:n1ltv@...]
Sent: Thursday, February 21, 2002 2:13 PM
To: tvnsp@yahoogroups.com
Subject: RE: [tvnsp] reasonable nichrome wire pricing

> I'm just going to order a bunch of this stuff,
> it's so cheap.... I need it fast, for a school
> project....

David,

In that case you go ahead, and let me just mention that
I refound the other rocket place's website that sells
nichrome 36 gauge by the foot at 20 cents per.

http://www.ssaerospace.com/ <http://www.ssaerospace.com/>

You can check out its shipping guidelines and see if being
able to get less than a 50 feet length might come out better.
Just a few feet will go a long way.

Hank

_____
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81:HM/A=879173/R=0/*http://www.fastweb.com/ib/yahoo-76f>

<http://us.adserver.yahoo.com/l?M=178320.1903454.3396448.1261774/D=egroupmai
l/S=1705083281:HM/A=879173/rand=518745167>

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1985. Re: [tvnsp] Mall Help Needed

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-21 21:59:27 UTC
From: Stephanie Steele
Topic: 1971 Message: 1985
Attachments: 2 described; binary payloads are missing from this source WARC

We would love to help but we are working. Sorry.
Stephanie & Norma

verhap@... wrote:
Help!
No one has said they can help out at the Mall on Saturday,
however I have had two tell me that they can't make it. The TVNSP
table needs to be manned from 9:30 AM to 9:30 PM. I plan to be
there all day, but will need time to get lunch and dinner.
Please let me know when you can help out.
Paul

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(http://docs.yahoo.com/info/terms/).
--
Stephanie
****
"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."
Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.
"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."
President Thomas Jefferson.
1743-1826
****
Send and receive money safely over the Internet by using PayPal. I use it and highly
recommend it as a safe and reliable means to conduct business. By using the link below we
both will receive a $5 sign up bonus.
https://www.paypal.com/refer/pal=kc7dba%40arrl.net

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1986. Re: [tvnsp] (Fwd) two cosmonauts will give a free public presentation at t

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-21 23:08:16 UTC
From: Stephanie Steele
Topic: 1925 Message: 1986

Hi Paul,
Can you tell me where this library is?
--
Stephanie
****
"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."
Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.
"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."
President Thomas Jefferson.
1743-1826
****
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recommend it as a safe and reliable means to conduct business. By using the link below we
both will receive a $5 sign up bonus.
https://www.paypal.com/refer/pal=kc7dba%40arrl.net

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copying or the taking of any action based upon the information contained in
this message is strictly prohibited.

1987. Re: [tvnsp] unproto / APRS symbols etc.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-21 23:32:53 UTC
From: Mark Conner
Topic: 1977 Message: 1987

There are two other choices if you want a balloon symbol on APRS:

1) Use "UNPROTO GPSPO VIA WIDE3-3". GPSPO gets you the balloon icon
and WIDE3-3 does the digipeating. This works for when you're sending
raw GPS strings.

2) Use "O" (capital O as in Oscar) right after the "W" for west
longitude in the APRS position report. WIDE3-3 has to be set in the
UNPROTO if you want the digipeating.

EOSS, ANSR, NSGB, and most others I know use the hot-air balloon icon
for their APRS stuff when possible.

73 de Mark N9XTN

----- Original Message -----
From: <verhap@...>
Date: Thursday, February 21, 2002 5:28 pm
Subject: Re: [tvnsp] unproto / APRS symbols etc.

> <html><body>
>
>
> <tt>
> > What do I set it to if I want it to be wide3-3 for example?
>
> > do the wide settings go here?
>
>
>
> I program a Wide3-3.
>
>
>
> > As for the APRS symbols...
>
> > I'm using "g" for "hang glider", what do
> other folks use for near crafts?
>
>
>
> I use a SSID of 11, which is the standard for balloon. There is a
>
> symbol for balloons (hot air ones, unfortunately [1]), but I don't
>
> recall it off the top of my head

>
>
>
> Paul
>
> 1. Hot air balloons only go a couple thousand feet up- those wimps!
>
>

>

1988. RE: [tvnsp] unproto / APRS symbols etc.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-21 23:37:43 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 1977 Message: 1988

Thanks Mark,

So what is the difference between
UNPROTO GPSPO VIA RELAY,WIDE3-3
and
UNPROTO GPSPO VIA WIDE3-3

from:
http://nwaprs.org/aprssettings.htm
There solution was identical to yours except they used:
UNPROTO GPSPO via RELAY,WIDE3-3

http://www.waars.org/temp/APRSArticle.htm
<http://www.waars.org/temp/APRSArticle.htm>
Putting RELAY first in the UNPROTO path eliminates any home RELAY stations
from digipeating your packets. In other words, setting your UNPROTO path to
WIDE,RELAY, will cause all home RELAY stations to digipeat your packets.
This is inefficient and will cause congestion on the network. Setting the
POS RATE at 2 minutes for mobiles and 30 minutes for base stations will help
with congestion by not beaconing repeated positions from the same station
over a very short period of time. Two minutes for a mobile should be enough
to get a good track.

-----Original Message-----
From: Mark Conner [mailto:n9xtn@...]
Sent: Thursday, February 21, 2002 4:33 PM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] unproto / APRS symbols etc.

There are two other choices if you want a balloon symbol on APRS:

1) Use "UNPROTO GPSPO VIA WIDE3-3". GPSPO gets you the balloon icon
and WIDE3-3 does the digipeating. This works for when you're sending
raw GPS strings.

2) Use "O" (capital O as in Oscar) right after the "W" for west
longitude in the APRS position report. WIDE3-3 has to be set in the
UNPROTO if you want the digipeating.

EOSS, ANSR, NSGB, and most others I know use the hot-air balloon icon
for their APRS stuff when possible.

73 de Mark N9XTN

----- Original Message -----
From: <verhap@...>
Date: Thursday, February 21, 2002 5:28 pm

Subject: Re: [tvnsp] unproto / APRS symbols etc.

> <html><body>
>
>
> <tt>
> > What do I set it to if I want it to be wide3-3 for example?
>
> > do the wide settings go here?
>
>
>
> I program a Wide3-3.
>
>
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> > As for the APRS symbols...
>
> > I'm using "g" for "hang glider", what do
> other folks use for near crafts?
>
>
>
> I use a SSID of 11, which is the standard for balloon. There is a
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> symbol for balloons (hot air ones, unfortunately [1]), but I don't
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>
>
> Paul
>
> 1. Hot air balloons only go a couple thousand feet up- those wimps!
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>

>

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1989. RE: [tvnsp] reasonable nichrome wire pricing

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-21 23:44:34 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 1937 Message: 1989

Ok, 30 feet of the 36 gauge is on the way for $11.14 including
shipping. Send a SASE, and include some cash if you feel so inclined.
And I'll try to get some to Paul next time I see him...

Dave Ritzenthaler
11964 Ramrod
Boise ID 83714

-----Original Message-----
From: Hank Riley [mailto:n1ltv@...]
Sent: Thursday, February 21, 2002 2:13 PM
To: tvnsp@yahoogroups.com
Subject: RE: [tvnsp] reasonable nichrome wire pricing

> I'm just going to order a bunch of this stuff,
> it's so cheap.... I need it fast, for a school
> project....

David,

In that case you go ahead, and let me just mention that
I refound the other rocket place's website that sells
nichrome 36 gauge by the foot at 20 cents per.

http://www.ssaerospace.com/ <http://www.ssaerospace.com/>

You can check out its shipping guidelines and see if being
able to get less than a 50 feet length might come out better.
Just a few feet will go a long way.

Hank

_____
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<http://us.adserver.yahoo.com/l?M=178320.1903454.3396448.1261774/D=egroupmai
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1990. Re: [tvnsp] (Fwd) two cosmonauts will give a free public presentation at t

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-22 00:32:55 UTC
From: Tony Barrett
Topic: 1925 Message: 1990
Attachments: 2 described; binary payloads are missing from this source WARC

43 degrees, 36' 35" north and 116 degrees, 12' 27" west. :-)

At 04:08 PM 2/21/02 -0700, you wrote:
>Hi Paul,
>
>Can you tell me where this library is?
>
>--
>Stephanie
>
>*******************************
>
>"They that can give up essential liberty to obtain a little temporary
>safety deserve neither liberty nor safety."
>
>Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.
>
>"Those who desire to give up freedom in order to gain security will not
>have, nor do they deserve, either one."
>
>President Thomas Jefferson.
> 1743-1826
>
>*******************************
>
>Send and receive money safely over the Internet by using PayPal. I use it
>and highly recommend it as a safe and reliable means to conduct business.
>By using the link below we both will receive a $5 sign up bonus.
>
><https://www.paypal.com/refer/pal=kc7dba%40arrl.net>https://www.paypal.com/refer/pal=kc7d
ba%40arrl.net
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3/R=0/*http://service.bfast.com/bfast/click?bfmid=29150849&siteid=39249818&bfpage=moneyyah
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>16149f.jpg
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><http://docs.yahoo.com/info/terms/>Yahoo! Terms of Service.

1991. Re: [tvnsp] (Fwd) two cosmonauts will give a free public presentation at t

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-22 00:34:55 UTC
From: Tony Barrett
Topic: 1925 Message: 1991

Stephanie,

The Boise Public Library is on the west side of Capitol Boulevard just
north of the river on the southwest corner of Battery and Capitol.

I'm not sure where the auditorium entrance is, probably on 9th, or Battery,
or the southwest corner of the building.

Tony

At 04:08 PM 2/21/02 -0700, you wrote:
>Hi Paul,
>
>Can you tell me where this library is?
>
>--
>Stephanie
>
>*******************************
>
>"

1992. Re: [tvnsp] unproto / APRS symbols etc.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-22 01:29:13 UTC
From: Mark Conner
Topic: 1977 Message: 1992

I would not recommend using RELAY on a balloon. Since you're at high altitude, practically every home station and digipeater hearing the balloon will try to digipeat the packet. This could lead to tons of QRM as everyone tries to digipeat at once.

The recommendation below is based on a ground station that would have only 1 or 2 RELAYs within range, and is not quite accurate. Any home station hearing a mobile direct should digipeat a packet with RELAY in the first position, so it can then go on to a WIDE that might not have heard it. If it used WIDE,RELAY then every home station in range of the WIDE (not just the mobile) would digipeat it.

WIDE3-3 may be more than needed on a balloon too, but the dupe reduction by using the WIDEn-N means less QRM than would occur by using WIDE,WIDE. WIDE2-2 might be plenty.

I don't use either RELAY or WIDE on my balloons, opting to go with a direct path only. The only time I can think it would be useful on a chase is when the balloon gets far away from me, but lands within range of a WIDE. There aren't many WIDEs in my landing zones, and we try not to let the balloon get too far in front of us.

73 de Mark N9XTN
----- Original Message -----
From: RITZENTHALER,DAVID (HP-Boise,ex1)
To: 'tvnsp@yahoogroups.com'
Sent: Thursday, February 21, 2002 17:37
Subject: RE: [tvnsp] unproto / APRS symbols etc.

Thanks Mark,

So what is the difference between
UNPROTO GPSPO VIA RELAY,WIDE3-3
and
UNPROTO GPSPO VIA WIDE3-3

from:
http://nwaprs.org/aprssettings.htm
There solution was identical to yours except they used:
UNPROTO GPSPO via RELAY,WIDE3-3

http://www.waars.org/temp/APRSArticle.htm
Putting RELAY first in the UNPROTO path eliminates any home RELAY stations from digipeating your packets. In other words, setting your UNPROTO path to WIDE,RELAY, will cause all home RELAY stations to digipeat your packets. This is inefficient and will cause congestion on the network. Setting the POS RATE at 2 minutes for mobiles and 30 minutes for base stations will help with congestion by not beaconing repeated positions from the same station over a very short period of time. Two minutes for a mobile should be enough to get a good track.
-----Original Message-----
From: Mark Conner [mailto:n9xtn@...]
Sent: Thursday, February 21, 2002 4:33 PM

To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] unproto / APRS symbols etc.

There are two other choices if you want a balloon symbol on APRS:

1) Use "UNPROTO GPSPO VIA WIDE3-3". GPSPO gets you the balloon icon and WIDE3-3 does the digipeating. This works for when you're sending raw GPS strings.

2) Use "O" (capital O as in Oscar) right after the "W" for west longitude in the APRS position report. WIDE3-3 has to be set in the UNPROTO if you want the digipeating.

EOSS, ANSR, NSGB, and most others I know use the hot-air balloon icon for their APRS stuff when possible.

73 de Mark N9XTN

1993. New Garmin unit

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-22 05:53:03 UTC
From: Mark Conner
Topic: 1993 Message: 1993

Found this on APRSSIG. The unit is available for about $150.
The low-voltage version has a 80mA power consumption, the
high-voltage version varies with input voltage. Looks like a
possible replacement for the GPS-35, except the weight is 11 oz
with the cable. But hey, 3-meter accuracy.

http://www.garmin.com/products/gps16/
http://www.garmin.com/manuals/GPS16.pdf
http://www.navtechgps.com/supply/gps16.asp

73 de Mark N9XTN

1994. RE: [tvnsp] unproto / APRS symbols etc.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-22 05:59:34 UTC
From: Bill Herrmann
Topic: 1977 Message: 1994

At 03:37 PM 2/21/02 -0800, you wrote:
>So what is the difference between
>UNPROTO GPSPO VIA RELAY,WIDE3-3
>and
>UNPROTO GPSPO VIA WIDE3-3

I haven't seen this completely explained yet so I'll toss in some basic stuff first.

The GPSPO portion is the destination. In APRS usage it's used in a couple different ways. Strings starting with AP generally indicate which client is being used. The next character indicates the program and the following 3 indicate the version. (i.e. APS206 would indicate APRS+SA version 2.06 <--- Going from memory there) Strings starting with GPS are one way to select the symbol used.

The part after the via is the path to be used. Your packet must hit each specified name in order or it stops. I've seen at least one person make a typo in "relay" and the packet stops dead.

The wide3-3 part (also referred to as wideN-N) is a modification to the normal rules in that digi-peaters that know how to handle it will (a) forward it on and (b) keep track of the fact that they've seen it already and not resend it if they see it again soon. If you used wide,wide,wide instead digi-peater A could hear it and send it out so that B could hear it and then A would hear it from B and send it again. WideN-N solves that. When a wideN-N digi retransmits a packet it will decrement the last number. If you see a packet with wide3-1 in the path it means it has been sent on by 2 wide digi-peaters.

In this area there is almost no reason to use relay in your path and, in fact, it's somewhat detrimental to do so. A balloon makes that even worse. However, most of the wide digis in the area will also answer to relay so your packet would make it out. (Several times most likely)

In the Boise area Wide2-2 is usually more than enough. I'll occasionally use Wide3-3 if I'm venturing a ways out.

HTH
Bill

p.s. If you really want to wish you had never asked go monitor the APRSSIG for a while. They currently have a holy war going on what the "correct" path is -and- a holy war on noid vs. id for wideN-N digipeaters. Anybody got a spare D key?

1995. Telling the outside world about this weekend in ballooning

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-22 08:52:39 UTC
From: Hank Riley
Topic: 1995 Message: 1995

I was going to post to aprssig about the three
balloon launches this weekend, but looking over
the topics of discussion there, now I'm not sure
it would make much difference.

Anybody have thoughts about how to get the word out
that our balloon events are even happening?

I don't subscribe to aprssig so I'd just be getting
on temporarily to post, and then getting out.

Hank

Do You Yahoo!?
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http://sports.yahoo.com

1996. RE: [tvnsp] reasonable nichrome wire pricing

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-22 14:16:10 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1937 Message: 1996

I'l bring some money to the next meeting, thanks.

Paul
> Ok, 30 feet of the 36 gauge is on the way for $11.14 including
> shipping. Send a SASE, and include some cash if you feel so inclined.
> And I'll try to get some to Paul next time I see him...
>
> Dave Ritzenthaler
> 11964 Ramrod
> Boise ID 83714
>
>
> -----Original Message-----
> From: Hank Riley [mailto:n1ltv@...]
> Sent: Thursday, February 21, 2002 2:13 PM
> To: tvnsp@yahoogroups.com
> Subject: RE: [tvnsp] reasonable nichrome wire pricing
>
>
>
> > I'm just going to order a bunch of this stuff,
> > it's so cheap.... I need it fast, for a school
> > project....
>
> David,
>
> In that case you go ahead, and let me just mention that
> I refound the other rocket place's website that sells
> nichrome 36 gauge by the foot at 20 cents per.
>
> http://www.ssaerospace.com/ <http://www.ssaerospace.com/>
>
> You can check out its shipping guidelines and see if being
> able to get less than a 50 feet length might come out better.
> Just a few feet will go a long way.
>
> Hank
>
>
> _____
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> <http://us.adserver.yahoo.com/l?M=178320.1903454.3396448.1261774/D=egroupmai
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1997. Flexible Solar panels

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-22 15:18:44 UTC
From: Doug Rich
Topic: 1997 Message: 1997

Paul - check this out for light weight panels. A few of this may give you some extra power.
Doug

http://www.plastecs.com/solar_panels.htm

NEW, LIGHTWEIGHT, FLEXIBLE, SOLAR PANELS NOW AVAILABLE. These panels are rated at 3V and 40ma and measure 4.5" x 1.4" x 0.009" (114mm x35mm x 0.23mm) . They can be flexed readily around a diameter of 1.4" (35.5mm). These are plastic panels. They can be attached in series, for more volts or parallel, for more current. They do not have leads. Directions for soldering your own leads are included. Leads can be attached for $0.50/panel. This panel can easily run the MAB-1 motor. Compare other sites for pricing. These are the lowest prices on the Internet !!!!!!!!!!!!!!!
SPF-1--------$6.50 each---- 6 for $6.25 each plus S&H $3.50 in the USA.

Doug KD6GCL

kd6gcl@...
doug@...

1998. RE: [tvnsp] New Garmin unit

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-22 17:13:11 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 1993 Message: 1998

The Delorme GPSTripMate I got (the $50 remanufactured one with
no user interface designed to be used with a PC) uses 80 to 110 mA.
When it's "searching" (not very often, only on startup for 10 minutes)
it's at 80 to 95 ish... once it locks it operates around 110mA....
just my 10 cents worth..... it's only a power savings of 30mA.....

-----Original Message-----
From: Mark Conner [mailto:n9xtn@...]
Sent: Thursday, February 21, 2002 10:53 PM
To: KNSP List; EOSS list; TVNSP List
Subject: [tvnsp] New Garmin unit

Found this on APRSSIG. The unit is available for about $150.
The low-voltage version has a 80mA power consumption, the
high-voltage version varies with input voltage. Looks like a
possible replacement for the GPS-35, except the weight is 11 oz
with the cable. But hey, 3-meter accuracy.

http://www.garmin.com/products/gps16/
<http://www.garmin.com/products/gps16/>
http://www.garmin.com/manuals/GPS16.pdf
<http://www.garmin.com/manuals/GPS16.pdf>
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<http://www.navtechgps.com/supply/gps16.asp>

73 de Mark N9XTN

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id=39249818&bfpage=moneyyahoo4>

<http://us.adserver.yahoo.com/l?M=217097.1902236.3397169.1261774/D=egroupmai
l/S=1705083281:HM/A=960173/rand=503229148>

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1999. Re: [tvnsp] Flexible Solar panels

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-22 17:52:06 UTC
From: Ralph Wallio, W0RPK
Topic: 1997 Message: 1999

These panels are manufactured by Iowa Thin Film Technologies, http://www.iowathinfilm.com/. They were flown on ISU/HABET missions back in 1997 to test performance in high altitude environment. Efficiency is around 5% which compares with roughly 10% for inexpensive hard cells, 12-15% for the expensive stuff and 18% for very expensive space-rated cells.

See the Iowa Thin Film web pages for a long tutorial on power calculations, http://www.iowathinfilm.com/calculations.html, and sources for consumer quantities of their products, http://www.iowathinfilm.com/links.html.

TNX es 73 de Ralph Wallio, W0RPK
wallio@...
http://members.crosspaths.net/~wallio

----- Original Message -----
From: Doug Rich
To: tvnsp@yahoogroups.com
Sent: Friday, February 22, 2002 9:18 AM
Subject: [tvnsp] Flexible Solar panels

Paul - check this out for light weight panels. A few of this may give you some extra power.
Doug

http://www.plastecs.com/solar_panels.htm

NEW, LIGHTWEIGHT, FLEXIBLE, SOLAR PANELS NOW AVAILABLE. These panels are rated at 3V and 40ma and measure 4.5" x 1.4" x 0.009" (114mm x35mm x 0.23mm) . They can be flexed readily around a diameter of 1.4" (35.5mm). These are plastic panels. They can be attached in series, for more volts or parallel, for more current. They do not have leads. Directions for soldering your own leads are included. Leads can be attached for $0.50/panel. This panel can easily run the MAB-1 motor. Compare other sites for pricing. These are the lowest prices on the Internet !!!!!!!!!!!!!!!

SPF-1--------$6.50 each---- 6 for $6.25 each plus S&H $3.50 in the USA.

Doug KD6GCL

kd6gcl@...
doug@...

2000. Re: [tvnsp] Telling the outside world about this weekend in ballooning

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-23 00:13:29 UTC
From: Randy Farley
Topic: 1995 Message: 2000

Hank

Go ahead and post the info. They need a different topic as
someone earlier mentioned. All they do is argue and try to
one-up each other lately. It has gone from an informational SIG
to a "I know more than you" bragging forum. In the beginning
it was a good APRS newbie training ground. You will pull some
people toward ballooning as i was.

I learn more from lurking on this SIG than any other i subscribe
to. Got some awesome folks here with a lot of different scientific
backgrounds. Makes for interesting reading ;)

By the time i check my mail which is only once a week lately
most questions are responded to before i can offer my meager
assistance. You guys must live on your computers..hi..hi.

Only 52 more emails to read,73's

Hank Riley wrote:
>
> I was going to post to aprssig about the three
> balloon launches this weekend, but looking over
> the topics of discussion there, now I'm not sure
> it would make much difference.
>
> Anybody have thoughts about how to get the word out
> that our balloon events are even happening?
>
> I don't subscribe to aprssig so I'd just be getting
> on temporarily to post, and then getting out.
>
> Hank
>
> ~~~~~~
> Do You Yahoo!?
> Yahoo! Sports - Coverage of the 2002 Olympic Games
> http://sports.yahoo.com
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

--
Regards,

Randy Farley
N7GPS -Ham Call-
Find Me at:
http://map.findu.com/n7gps*
Check My local weather at:
http://www.findu.com/cgi-bin/find.cgi?call=n7gps&radar=CBX

2001. Re: [tvnsp] Foam-cutting nichrome

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-23 00:31:33 UTC
From: Randy Farley
Topic: 1965 Message: 2001

This site explains power sources,wire diameters and lengths.

http://www.techlib.com/hobby/hotwire_foam_cutter.htm

Here is a novel idea using light bulbs for two purposes.
Voltage control and as a work light.

http://www.canadianhovercraftfederation.org/FAQs/2foam_cutter.htm

Of course there are a zillion other sites using "Google" and
few key search words.

Mark Conner wrote:
>
> What's typically used to heat nichrome for foam cutting? I have some
> foam pieces I'd like to cut for use in my capsule construction - a
> knife doesn't work too well. I have a 15V 8A supply for my NiMH
> charger and a 13.8V 25A supply for running my home APRS station - just
> wondering if either of those would be suitable or whether I'd need to
> buy something purpose-built.
>
> - Mark
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

--
Regards,

Randy Farley
N7GPS -Ham Call-
Find Me at:
http://map.findu.com/n7gps*
Check My local weather at:
http://www.findu.com/cgi-bin/find.cgi?call=n7gps&radar=CBX

2002. Re: [tvnsp] Telling the outside world about this weekend in ballooning

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-23 01:07:56 UTC
From: Hank Riley
Topic: 1995 Message: 2002

Randy,

Mark has already taken care of aprs list, so I'll
do AMSAT list.

This is a pretty good list for sure.

One or two online visits a day can make it look like
like one lives on the computer, especially if those
visits are lingering ones. :)

And quite a few of the hams online have occupations
that have them connected to email during at least part
of the day.

Hank

_____
Do You Yahoo!?
Yahoo! Sports - Coverage of the 2002 Olympic Games
http://sports.yahoo.com

2003. Re: [tvnsp] Foam-cutting nichrome

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-23 02:11:05 UTC
From: Hank Riley
Topic: 1965 Message: 2003

This is very good:

> This site explains power sources,wire diameters and
> lengths.
>
> http://www.techlib.com/hobby/hotwire_foam_cutter.htm

This is bad:

> Here is a novel idea using light bulbs for two purposes.
> Voltage control and as a work light.
>
> http://www.canadianhovercraftfederation.org/FAQs/2foam_cutter.htm

Folks, never build anything that exposes people to conductors
that are at line voltage potential such as this arrangement
does.

I know you shouldn't be touching the wire if it's hot (thermally)
anyway, but the electric shock hazard is so severe that this
scheme of plugging a bare wire (so out in the open no less and
near hands) into the line voltage should just not even be
considered.

The voltage for a decent length cutter is low enough that a
transformer ought to be used anyway.

Hank

Do You Yahoo!?
Yahoo! Sports - Coverage of the 2002 Olympic Games
http://sports.yahoo.com

2004. All three balloons in the air

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-23 17:19:41 UTC
From: Hank Riley
Topic: 1965 Message: 2004

ANSR, EOSS, and NSTAR are in the air right now.

ANSR and EOSS launched only approx. 10 minutes late.

ANSR aa0p-11 kd7lmo-11
EOSS w5vsi-11
NSTAR n9xtn-11 n9xtn-12

I see EOSS and NSTAR on http://www.findu.com, but not
ANSR.

There is an aa0p-9 at the launch site location
near Phoenix.

findu has removed the map track feature temporarily
which is too bad. If anyone has another site that
still provides this track feature please post it
to the list.

Hank

_____
Do You Yahoo!?
Yahoo! Sports - Coverage of the 2002 Olympic Games
http://sports.yahoo.com

2005. Estimated NSTAR landing spot

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-23 21:05:27 UTC
From: Hank Riley
Topic: 2005 Message: 2005
Attachments: 3 described; binary payloads are missing from this source WARC

[Attachment content not displayed]

2006. NSTAR 02-A successful

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-23 23:04:21 UTC
From: Mark Conner
Topic: 2006 Message: 2006

Quick summary:

NSTAR 02-A launched about 10 minutes early due to increasing surface winds. No problems with the launch itself.

Simplex repeater performance was poor, probably due to using low power setting on HT. Same for backup APRS beacon. Next time we'll use high power on both. It does no good to conserve batteries if no one can hear it. The primary APRS beacon had many malformed position, course, and speed reports, but enough good ones came through to effectively track the package.

Preliminary max altitude is 93,232 ft - will analyze logs later.
N9XTN-11>APRS:/171718h4057.07N/09503.73WO280/014/A=093232
3D09Sats 118FPM C15 NSTAR02A

Landing was about 4 miles east of the appropriately-named town of Gravity, Iowa, in an open pasture with no power lines in sight. Several members of the chase crew saw the terminal descent. Capsules were undamaged and chute was cleanly open. The 1200g balloon shredded almost completely - only a few shards were on the neck. Best I've seen for a 1200g balloon.

Haven't looked at the video yet, but the camera's viewfinder is inoperable now. Worked fine at launch.

Log files appreciated. Anyone who took digital (or has digitized) photos, feel free to overrun my e-mail box.

Many many thanks to all who helped today.

73 de Mark N9XTN

2007. Videotape review

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-24 00:37:13 UTC
From: Mark Conner
Topic: 686 Message: 2007

Got good tape all the way through, at least until the batteries apparently dropped out with 15 minutes of tape to go. The viewfinder is still inoperable. Ralph W0RPK reminded me that this is not the first instance of this happening, and that it may be due to high voltage breakdown due to the low pressure. The only previous flight for this camcorder went to 55,000 ft with no ill effects.

This camcorder had a B/W viewfinder. The previous camera had a color viewfinder (TFT?) that survived to 61,000 feet (Flight 01-A). On its second flight (01-B) the camera flew to 91,000 ft but was destroyed on impact and thus we don't know if the viewfinder failed before or at impact.

I think the camera is still usable for flights, but is no good for "normal" use. The main problem is trying to set the clock or any other parameters. If I hook the video out to a TV, I can't see any of the menu items that the viewfinder would show.

See Ralph's page at
http://users.crosspaths.net/~wallio/HABhv.html for more on this phenomenon.

73 de Mark N9XTN

Mark D. Conner
E-mail: n9xtn@...
Homepage: http://members.cox.net/mconner1
"Arrogance and stupidity, all in the same package.....how efficient of you!" - Ambassador Londo Mollari, Babylon 5

2008. Re: [tvnsp] Foam-cutting nichrome

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-24 15:52:34 UTC
From: Randy Farley
Topic: 1965 Message: 2008

Good observation and warning Hank

I did not take the time to look this site over closely.
I would personally stay with a DC power source to limit
dangers to the hot wire only.
No need to provoke more than one danger point.

Looks like i may still have to dig out my old
n-gauge train transformers. The radial-arm saw
works pretty good,but the cuts are a little rough.

Hank Riley wrote:

> This is bad:
>
> > Here is a novel idea using light bulbs for two purposes.
> > Voltage control and as a work light.
> >
> > http://www.canadianhovercraftfederation.org/FAQs/2foam_cutter.htm
>
> Folks, never build anything that exposes people to conductors
> that are at line voltage potential such as this arrangement
> does.
>
> I know you shouldn't be touching the wire if it's hot (thermally)
> anyway, but the electric shock hazard is so severe that this
> scheme of plugging a bare wire (so out in the open no less and
> near hands) into the line voltage should just not even be
> considered.
>
> The voltage for a decent length cutter is low enough that a
> transformer ought to be used anyway.
>
> Hank
>

2009. Schedule

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-25 03:12:05 UTC
From: John Knapp
Topic: 2009 Message: 2009

Here is a meeting and Launch schedule Paul and I
worked up while at the Mall
on Saturday. I hope this will make it easier for
everyone to plan on being
at the launch meetings.

John - KD7HGS

March:
Meetings: 10, 24
Launch: March 30 with prelaunch meeting the 29th

April:
Meetings: 7, 21
Launch: April 20 with prelaunch meeting the 19th.

May:
Meetings: 5, 19
Launch: May 25 with prelaunch meeting the 24th.

June:
Meetings: 2, 16, 30
No Launch scheduled.

July:
Meetings: 14, 28
Launch: Great Plains Mega Launch.

August:
Meetings: 11, 25
Launch: Night launch Saturday, August 10.
Prelaunch: Friday, August 9.

Sept:
Meetings: 8, 22
Launch: Sept. 7 in conjunction with the Idaho Star
Party.

Oct:
Meetings: 6, 20
Launch: Oct. 5 tentative.

Novemeber:
Meetings: 3, 17
Launch: Nov 2 or 9, tentative.

December:
Meetings: 1,15,29

No launch is scheduled.

Of course, this is subject to changes as necessary.

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http://sports.yahoo.com

2010. Neet Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-25 03:13:12 UTC
From: John Knapp
Topic: 2010 Message: 2010

At the meeting today it was decided that at the next
meeting we would like
everyone to bring their tracking equipment. The
capsules will be powered up
and we will make sure we can track it properly. Also
to make sure the
capsules are sending the proper strings.

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http://sports.yahoo.com

2011. April

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-25 03:14:16 UTC
From: John Knapp
Topic: 2011 Message: 2011

During April, there are two other events which the
Treasure Valley Near
Space Project will be involved with.

On April 13, I will be at a Boy Scout Competition
called Willow Creek with
the Snake River Ameture Radio Club communications
trailer. I would like to
set up a capsule and APRS to demonstrate along with
the information and
demonstration we do on ham radio. Any voluteers would
be appreciated. I will
be taking the trailer up on Friday, April 12 and
returning Sunday, April 14.

Also during April is the SNARC Hamfest. It will be on
April 27 and will be
at the Vallivue Middle School (?) - the old
Highschool. A booth will be set
up during the Hamfest. Volunteers will be needed
during the Hamfest. Please
let Paul or I know if you can help.

Thanks
John - KD7HGS

_____
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http://sports.yahoo.com

2012. Photos of capsules/initial debug

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-25 04:42:26 UTC
From: Mark Conner
Topic: 2012 Message: 2012
Attachments: 2 described; binary payloads are missing from this source WARC

Attached are two pictures of the rebuilt NSTAR capsule after its maiden flight. One of the pictures has the TVNSP patches that flew to about 92,798 ft (still awaiting more logs for final reading).

The other photo shows the capsule zipped up with the rubber duck antenna sticking out of the top. Attached to the side is a laminated card with an American flag on one side and a brief explanation and finder instructions on the other. I provided the PIN numbers for a half-used phone card in case the finder doesn't want to pay for a long-distance call. In case the card falls off, I put my cell number, home number, and e-mail in waterproof permanent marker inside and out. I have this in a MS Word file that is formatted to print to Avery 4x6 post cards if anyone is interested (no, you won't get the phone card numbers in that version :P)

I think I have a handle on why I got bad position reports out of the capsules yesterday. All the bad reports came between :15 and :20 after each minute. The program monitors the time from the GGA string and when it crosses :15, it polls the ADC, formats a telemetry packet for transmission, then sends it to the TNC. Right afterwards it waits to read the next GPRMC string to get lat/lon/course/speed. At about the time it's getting the data from the GPS, the TNC is keying the radio. I think that's injecting garble into the serial data. Because I'm using a rubber duck instead of a J-pole on a string of coax, the RF near the GPS and controller is a lot stronger than on previous flights.

The transmission at :45 does not poll the ADC and format a telemetry packet, so those went out with clean GPS data.

So now I'm faced with a choice of putting a J-pole back on the payload (and asking to short powerlines again), shielding and RF-choking the controller box (ugh), or avoiding the problem by moving the telemetry packet transmission to a different time in the cycle. If I'm TXing a position packet while I'm trying to read the ADC, I get bogus data from the ADC - this is why the telemetry was transmitted before the position report in the first place.

I remembered that I did not use shielded cables to connect the DB-9 on the controller box to the circuit board. I may go ahead and replace those as a quick easy fix. Otherwise I'm going to follow the path of least resistance and deconflict my transmitting and data reception.

I know several people monitored the flight via the Internet. I would be interested in any and all direct RF reception reports for this flight to evaluate the antenna's performance. I think the signal was not as good as the J-pole, but it seemed adequate for the chase teams (until we got in the null as we stopped right under the capsule shortly before burst).

73 de Mark N9XTN

Mark D. Conner

E-mail: n9xtn@...
Homepage: http://members.cox.net/mconner1
"Arrogance and stupidity, all in the same package.....how efficient of you!" - Ambassador Londo Mollari, Babylon 5

2013. NSTAR photo makes Omaha World-Herald

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-25 05:15:16 UTC
From: Mark Conner
Topic: 2013 Message: 2013

Forgot to mention - the photographer did make it out to the launch site and took a bunch of photos, one of which made the bottom front page of the Midlands section (local news for those of you not familiar with the Omaha paper). Shari has it at the moment so I can't scan it in and share it with everyone. There was a two-line blurb under it that said the balloon would go 15-20 miles high and was forecast to travel about 90 miles downwind. We ended up going closer to 60 miles downwind in reality, but oh well.

No one was specifically identified in the picture, but if you know the players Doug KA0O had his back to the camera and Wayne KE6DZD and Scott Clark could be seen. I think others were in the frame but can't remember who at the moment.

Since there was no story, it doesn't seem to be on the World-Herald's web site. Or at least I couldn't find it.

73 de Mark N9XTN

2014. Re: [KNSP] NSTAR photo makes Omaha World-Herald

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-25 05:22:08 UTC
From: Douglas Eubanks
Topic: 2014 Message: 2014

What Mark didn't mention, that was my BEST side towards the camera!

Doug, KA0O

----- Original Message -----
From: "Mark Conner" <n9xtn@...>
To: "KNSP List" <KNSP@yahoogroups.com>; "TVNSP List" <tvnsp@yahoogroups.com>
Sent: Sunday, February 24, 2002 11:15 PM
Subject: [KNSP] NSTAR photo makes Omaha World-Herald

> Forgot to mention - the photographer did make it out to the
> launch site and took a bunch of photos, one of which made the
> bottom front page of the Midlands section (local news for those
> of you not familiar with the Omaha paper). Shari has it at the
> moment so I can't scan it in and share it with everyone. There
> was a two-line blurb under it that said the balloon would go
> 15-20 miles high and was forecast to travel about 90 miles
> downwind. We ended up going closer to 60 miles downwind in
> reality, but oh well.
>
> No one was specifically identified in the picture, but if you
> know the players Doug KA0O had his back to the camera and Wayne
> KE6DZD and Scott Clark could be seen. I think others were in the
> frame but can't remember who at the moment.
>
> Since there was no story, it doesn't seem to be on the
> World-Herald's web site. Or at least I couldn't find it.
>
> 73 de Mark N9XTN
>
>
>
>
>
>
>
> To unsubscribe from this group, send an email to:
> KNSP-unsubscribe@yahoogroups.com
>
> List owner: KNSP-owner@yahoogroups.com
> Group URL: http://groups.yahoo.com/group/KNSP
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>

>
>

2015. RE: [tvnsp] All three balloons in the air

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-25 16:39:31 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 1965 Message: 2015

I would really like an alternative to findu as well....
anybody know of one?

-----Original Message-----
From: Hank Riley [mailto:n1ltv@...]
Sent: Saturday, February 23, 2002 10:20 AM
To: tvnsp@yahoogroups.com
Subject: [tvnsp] All three balloons in the air

ANSR, EOSS, and NSTAR are in the air right now.

ANSR and EOSS launched only approx. 10 minutes late.

ANSR aa0p-11 kd7lmo-11
EOSS w5vsi-11
NSTAR n9xtn-11 n9xtn-12

I see EOSS and NSTAR on http://www.findu.com, <http://www.findu.com,> but
not
ANSR.

There is an aa0p-9 at the launch site location
near Phoenix.

findu has removed the map track feature temporarily
which is too bad. If anyone has another site that
still provides this track feature please post it
to the list.

Hank

_____
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<http://rd.yahoo.com/M=217097.1902236.3397169.1261774/D=egroupweb/S=17050832
81:HM/A=960173/R=0/*http://service.bfast.com/bfast/click?bfmid=29150849&site
id=39249818&bfpage=moneyyahoo4>

<http://us.adserver.yahoo.com/l?M=217097.1902236.3397169.1261774/D=egroupmai
l/S=1705083281:HM/A=960173/rand=923110578>

To unsubscribe from this group, send an email to:
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<http://docs.yahoo.com/info/terms/> .

2016. Re: [tvnsp] All three balloons in the air

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-25 18:31:57 UTC
From: Mark Conner
Topic: 1965 Message: 2016

Findu is changing server locations, as K4HG will not be able to continue it at its current location. TAPR is collecting donations to fund a redundant server (it's not a TAPR project -they're just a conduit for the money) and I believe a new location has been identified for it.

So in the near future the reliability should be better and the functionality will probably grow too. I think K4HG had to disable the map track feature because it was too hard on the server.

- Mark
----- Original Message -----
From: RITZENTHALER,DAVID (HP-Boise,ex1)
To: 'tvnsp@yahoogroups.com'
Sent: Monday, February 25, 2002 10:39
Subject: RE: [tvnsp] All three balloons in the air

I would really like an alternative to findu as well....
anybody know of one?
-----Original Message-----
From: Hank Riley [mailto:n1ltv@...]
Sent: Saturday, February 23, 2002 10:20 AM
To: tvnsp@yahoogroups.com
Subject: [tvnsp] All three balloons in the air

ANSR, EOSS, and NSTAR are in the air right now.

ANSR and EOSS launched only approx. 10 minutes late.

ANSR aa0p-11 kd7lmo-11
EOSS w5vsi-11
NSTAR n9xtn-11 n9xtn-12

I see EOSS and NSTAR on http://www.findu.com, but not
ANSR.

There is an aa0p-9 at the launch site location
near Phoenix.

findu has removed the map track feature temporarily
which is too bad. If anyone has another site that
still provides this track feature please post it
to the list.

Hank

_____
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2017. RE: [tvnsp] unproto / APRS symbols etc.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-25 20:45:49 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 1977 Message: 2017

Excellent reply, Bill, and you have as good a coverage of the question as any I've seen. I'd like to add a little something that might help clear up this part:

> -----Original Message-----
> From: Bill Herrmann [mailto:bherrman@...]
>
> At 03:37 PM 2/21/02 -0800, you wrote:
> >So what is the difference between
> >UNPROTO GPSPO VIA RELAY,WIDE3-3
> >and
> >UNPROTO GPSPO VIA WIDE3-3
>
> In this area there is almost no reason to use relay in your
> path and, in
> fact, it's somewhat detrimental to do so. A balloon makes
> that even worse.
> However, most of the wide digis in the area will also answer
> to relay so
> your packet would make it out. (Several times most likely)
>
> In the Boise area Wide2-2 is usually more than enough. I'll
> occasionally
> use Wide3-3 if I'm venturing a ways out.
>
> HTH
> Bill

In the beginning, RELAY and WIDE were also used to differentiate between local versus long distance APRS data relaying. Generally, trackers and other local short-hop units would have an alias of RELAY while the main digipeaters would have an alias of WIDE. This enabled better coverage of areas that were out of reach from the WIDE digipeater. So, I could be driving around in my vehicle with my tracker as alias RELAY and someone who couldn't hit the Cinnabar repeater directly (to use a local example) wouldn't be able to get out with UNPROTO GPSPO VIA WIDE3-3. However, using VIA RELAY,WIDE3-3 instead, he might hit my tracker which would take care of the RELAY and send it with the RELAY marked as used on to Cinnabar which would pick up the WIDE3-3 part and send that on as WIDE3-2.

As Bill H. mentioned, some of the WIDEs also recognize RELAY. So, using RELAY,WIDE here and hitting Cinnabar, you'd be doing the same thing as WIDE4-4. Depending on your needs, this may or may not be what you want.

An area where a RELAY alias is useful is my home area. For some reason, it seems as if in certain parts of Nampa and Caldwell I can't hit Cinnabar

running APRS but can hit my QTH. This is whether or not I can hit Cinnabar by voice. Something I've not yet figured out. Anyway, as a result, when my QTH is on the air and running APRS, it's got an alias of RELAY, which allows me to get out from those "blind" areas by using VIA RELAY,WIDE3-3. A similar system could be used for other blind areas.

So, what to do if you sometimes need RELAY, other times don't? Set up one LTP with VIA RELAY,WIDE3-3 and another with VIA WIDE3-3. If there's a RELAY in the area, it will send it on and if there isn't one in the area, but you can hit a WIDE, you're still covered with the second one.

The really critical thing to keep in mind is, if you use VIA RELAY,WIDE3-3 and there is no digipeating station in the area with an alias of RELAY, you're stopped cold there. Of course, the same thing happens if you can't hit a WIDE and are using VIA WIDE3-3.

Hmmm. I think my typing runneth over, so I'll shut up here.

73 de Bill, KC7JSD

2018. Scientific Wizardry

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-26 14:52:34 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2018 Message: 2018

Scientific Wizardry would love to have us set up a table on a Saturday. any Saturday will work for them, even if we give them short notice.

I'd like to set up a table this Saturday. The store is open from 10 to 6. They are closed on sundays.

Can anyone help out this Saturday? It's the same as the Mall last week, I'd like to have someone drop by so I can go out for lunch.

At the store we should get a lot more interest, since people are in the store for science stuff.

The store is located on Fairview, at the 10,000 block. They're on the the south side of the road, across from a boat store.

Paul

2019. Re: [tvnsp] Scientific Wizardry

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-26 15:45:52 UTC
From: Doug Rich
Topic: 2018 Message: 2019

I plan to be there from 11:30 to 1:30. Is that enough time?
Doug

At 07:52 AM 2/26/02 -0700, you wrote:
>Scientific Wizardry would love to have us set up a table on a
>Saturday. any Saturday will work for them, even if we give them
>short notice.
>
>I'd like to set up a table this Saturday. The store is open from 10
>to 6. They are closed on sundays.
>
>Can anyone help out this Saturday? It's the same as the Mall last
>week, I'd like to have someone drop by so I can go out for lunch.
>
>At the store we should get a lot more interest, since people are in
>the store for science stuff.
>
>The store is located on Fairview, at the 10,000 block. They're on
>the the south side of the road, across from a boat store.
>
>Paul
>
>
>To unsubscribe from this group, send an email to:
>tvnsp-unsubscribe@egroups.com
>
>
>
>Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

2020. RE: [tvnsp] All three balloons in the air

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-26 15:54:23 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 1965 Message: 2020

This is the story of my life... I've been up on APRS for about a week and the server goes away.
The same thing happened when I finally got my SSTV setup working..... I got online and downloaded a
couple of pics of junk over a couple of days (junk because the cosmonauts on the MIR didn't snap
good pictures, or stuff wasn't hooked up correctly) and then they turned it off forever... actually
SSTV did come on once for field day... but no more.....

Man I hope this comes online fast :) APRS is only 'cool' with the database....

-----Original Message-----
From: Mark Conner [mailto:n9xtn@...]
Sent: Monday, February 25, 2002 11:32 AM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] All three balloons in the air

Findu is changing server locations, as K4HG will not be able to continue it at its current location. TAPR is collecting donations to fund a redundant server (it's not a TAPR project -they're just a conduit for the money) and I believe a new location has been identified for it.

So in the near future the reliability should be better and the functionality will probably grow too. I think K4HG had to disable the map track feature because it was too hard on the server.

- Mark

----- Original Message -----
From: RITZENTHALER,DAVID <mailto:david_ritzenthaler@...> (HP-Boise,ex1)
To: 'tvnsp@yahoogroups.com' <mailto:'tvnsp@yahoogroups.com'>
Sent: Monday, February 25, 2002 10:39
Subject: RE: [tvnsp] All three balloons in the air

I would really like an alternative to findu as well....
anybody know of one?

-----Original Message-----
From: Hank Riley [mailto:n1ltv@...]
Sent: Saturday, February 23, 2002 10:20 AM
To: tvnsp@yahoogroups.com <mailto:tvnsp@yahoogroups.com>
Subject: [tvnsp] All three balloons in the air

ANSR, EOSS, and NSTAR are in the air right now.

ANSR and EOSS launched only approx. 10 minutes late.

ANSR aa0p-11 kd7lmo-11
EOSS w5vsi-11
NSTAR n9xtn-11 n9xtn-12

I see EOSS and NSTAR on http://www.findu.com, <http://www.findu.com,> but
not
ANSR.

There is an aa0p-9 at the launch site location
near Phoenix.

findu has removed the map track feature temporarily
which is too bad. If anyone has another site that
still provides this track feature please post it
to the list.

Hank

_____
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http://sports.yahoo.com <http://sports.yahoo.com>

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id=39249818&bfpage=moneyyahoo4>

<http://us.adserver.yahoo.com/l?M=217097.1902236.3397169.1261774/D=egroupmai
l/S=1705083281:HM/A=960173/rand=521444513>

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2021. Re: Findu

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-26 16:22:55 UTC
From: Mark Conner
Topic: 2021 Message: 2021

Findu is still working, sort of. I was able to get my balloon posits from the database on Saturday, and it's working right this minute showing my car in the parking lot outside my building. However, the server is often slow or unavailable. The upgrade and move should improve it's uptime/speed.

http://www.findu.com/cgi-bin/find.cgi?n9xtn-9

- Mark

2022. Re: [tvnsp] Scientific Wizardry

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-26 16:41:42 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2018 Message: 2022

> I plan to be there from 11:30 to 1:30. Is that enough time?
> Doug

That would be perfect.

Paul

2023. Re: [tvnsp] All three balloons in the air

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-26 22:51:42 UTC
From: Randy Farley
Topic: 1965 Message: 2023

David

Try this link if you do Java. Also go to AE5PL's site and it has some search features. Not as robust as Findu,but he is working on it.

http://www.ae5pl.net/html/allaprs.htm

Findu.com has a few hiccups once in awhile, but it is not going away! Some Big Guns are preparing to take over the system administration from Steve Dimse the father of Findu. He just not have the time to devote
his many talents full time to the project. I think we will see more stability in the future. It really has done surprisingly well,stability wise,considering the huge popularity of the system since its inception a few years back.

Findu is one of the Major home run hitters for APRS.
Be patient,it has a few more years of service ;)

--
Regards,

Randy Farley
N7GPS -Ham Call-
Find Me at:
http://map.findu.com/n7gps*

2024. Re: [tvnsp] All three balloons in the air

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-26 23:37:14 UTC
From: Hank Riley
Topic: 1965 Message: 2024

--- Randy Farley wrote:

> http://www.ae5pl.net/html/allaprs.htm

Thanks, Randy.

Art, NK8X suggested this Saturday and that's what
provided the NSTAR map plot #1 posted to the TV
and N lists.

Hank

_____
Do You Yahoo!?
Yahoo! Greetings - Send FREE e-cards for every occasion!
http://greetings.yahoo.com

2025. Fwd: [aprsplus] findu.com backup server donation clarification

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-27 16:54:48 UTC
From: Mark Conner
Topic: 2025 Message: 2025

Since we had a discussion about FindU on this list, I thought I would forward this information.

73 de Mark N9XTN

==========

Good morning everyone. I need to issue a clarification for those wanting to make a tax donatable donation to the findu.com backup server. If you are wanting to make a donation and receive a letter letting you write it off you your taxes, you will need to make the check to the DCARC and in the notes column it is critical that you indicate it is for the findu.com backup server. If you do not want the letter, you can send the donations to either TAPR or the DCARC. Make sure that you indicate that it is for the findu.com backup server. Donations from clubs as well as individuals are welcome. I am not a member on many APRS and weather related mailing lists. Please pass this on to those lists.

Thank you for your help and donations.

--
Guy Story, KC5GOI
Itel-Tigerbyte LLC
gstory@...
940.891.4575

2026. Re: Presentation at Space 2002

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-27 17:18:20 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2026 Message: 2026

> It looks like I'm going to Albuquerque after all. Dr. Basart from Iowa
> State is arranging for Space Grant funds to pay my way. I'm doing
> the paperwork to get Idaho Space Grant funds to pay the rest of it.
> I'll be back one week before the March launch.
>
> Paul
>

2027. cutdown device

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-28 18:56:38 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 2027 Message: 2027

I was searching the archives for the regulations on cutdown devices... and found this:

> That takes care of one cutdown device. I suggest the second be a
> combination of a timer and a way to send commands up on the APRS link.
> I believe you aren't doing anything with receive audio from the
> transceiver in the tracker, so how about adding a DTMF decoder that
> listens for a specific sequence of tones to trigger the cutdown.

I just got this working last night.
I hate to send out attachments in shotgun fashion.. but i have the pspice file
with the schematic, basic stamp 2 code, and images... it works great.
If you want the details just say so.

Now the hard part is the timer based version..... My code is already maxing out the basic stamp, and in order to count that high.... I'd have to have 4 or 5
byte level variables and quite a if then structure to know when 70 minutes went by...
(and 20MHz....)

Do I HAVE to have a timer backup? If so, I probably will need an external timer solution...

Currently... if i interpret the archives correctly, a latex balloon is considered it's own cutdown
device because it will pop, and I do have a remote control cutdown operational.... so MUST
I have a timer based cutdown? Can anyone suggest a fast solution internal/external to the BS2?

Counting that high requires a lot of code and several variables... big code for a little feature.

--
David Ritzenthaler - Hardware Design Engr.
208.396.3618 - david_ritzenthaler@...
Hewlett-Packard - 11311 Chinden Boulevard
Mail stop 135 - Boise, ID 83714-1021

2028. Re: [tvnsp] cutdown device

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-28 19:39:41 UTC
From: Doug Rich
Topic: 2027 Message: 2028

There are several stand-alone real-time-clocks that should work. The one I have will have an alarm line set in - so many min. from the start time. You could have the stamp set the timer at launch. The alarm will be active for a determined amount of time so that you can check it at any interval.

Doug KD6GCL

>Currently... if i interpret the archives correctly, a latex balloon is
>considered it's own cutdown
>device because it will pop, and I do have a remote control cutdown
>operational.... so MUST
>I have a timer based cutdown? Can anyone suggest a fast solution
>internal/external to the BS2?
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>--
>David Ritzenthaler - Hardware Design Engr.
>208.396.3618 - david_ritzenthaler@...
>Hewlett-Packard - 11311 Chinden Boulevard
> Mail stop 135 - Boise, ID 83714-1021
>
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2029. Re: [tvnsp] cutdown device

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-28 19:49:21 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2027 Message: 2029

> > That takes care of one cutdown device. I suggest the second be a
> > combination of a timer and a way to send commands up on the APRS link.
> > I believe you aren't doing anything with receive audio from the
> > transceiver in the tracker, so how about adding a DTMF decoder that
> > listens for a specific sequence of tones to trigger the cutdown.
>
> I just got this working last night.
> I hate to send out attachments in shotgun fashion.. but i have the pspice
> file
> with the schematic, basic stamp 2 code, and images... it works great.
> If you want the details just say so.
>
> Now the hard part is the timer based version..... My code is already maxing
> out the basic stamp, and in order to count that high.... I'd have to have 4
> or 5
> byte level variables and quite a if then structure to know when 70 minutes
> went by...
> (and 20MHz....)

I have a timer cutdown. I was in the process of designing a DTMF
commanded cutdown.

Paul

2030. RE: [tvnsp] cutdown device

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-28 22:10:06 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 2027 Message: 2030

this sounds great. What part are you using? Have an extra I could get from
you (you in Boise)?
I'm done with this project, this is the very last thing :) I'd like to wrap
it up.
Dave

-----Original Message-----
From: Doug Rich [mailto:doug@...]
Sent: Thursday, February 28, 2002 12:40 PM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] cutdown device

There are several stand-alone real-time-clocks that should work. The one I
have will have an alarm line set in - so many min. from the start time. You
could have the stamp set the timer at launch. The alarm will be active for a
determined amount of time so that you can check it at any interval.

Doug KD6GCL

Currently... if i interpret the archives correctly, a latex balloon is
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id=39249818&bfpage=moneyyahoo4>

<http://us.adserver.yahoo.com/l?M=217097.1902236.3397169.1261774/D=egroupmai
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2031. Re: [tvnsp] cutdown device

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-28 14:38:41 UTC
From: Tony Barrett
Topic: 2027 Message: 2031

The good old 555 timer can be set to count down hours.

At 01:56 PM 2/28/02 -0500, you wrote:
>I was searching the archives for the regulations on cutdown devices... and
>found this:
>
> > That takes care of one cutdown device. I suggest the second be a
> > combination of a timer and a way to send commands up on the APRS link.
> > I believe you aren't doing anything with receive audio from the
> > transceiver in the tracker, so how about adding a DTMF decoder that
> > listens for a specific sequence of tones to trigger the cutdown.
>
>I just got this working last night.
>I hate to send out attachments in shotgun fashion.. but i have the pspice
>file
>with the schematic, basic stamp 2 code, and images... it works great.
>If you want the details just say so.
>
>Now the hard part is the timer based version..... My code is already maxing
>out the basic stamp, and in order to count that high.... I'd have to have 4
>or 5
>byte level variables and quite a if then structure to know when 70 minutes
>went by...
>(and 20MHz....)
>
>Do I HAVE to have a timer backup? If so, I probably will need an external
>timer solution...
>
>Currently... if i interpret the archives correctly, a latex balloon is
>considered it's own cutdown
>device because it will pop, and I do have a remote control cutdown
>operational.... so MUST
>I have a timer based cutdown? Can anyone suggest a fast solution
>internal/external to the BS2?
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>Counting that high requires a lot of code and several variables... big code
>for a little feature.
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>--
>David Ritzenthaler - Hardware Design Engr.
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2032. Re: [tvnsp] cutdown device

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-01 14:17:07 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2027 Message: 2032

I'll bring mine to the next meeting. We used it on the last flight and
it worked very well.

Paul

> The good old 555 timer can be set to count down hours.
>
> At 01:56 PM 2/28/02 -0500, you wrote:
> >I was searching the archives for the regulations on cutdown devices... and
> >found this:
> >
> > > That takes care of one cutdown device. I suggest the second be a
> > > combination of a timer and a way to send commands up on the APRS link.
> > > I believe you aren't doing anything with receive audio from the
> > > transceiver in the tracker, so how about adding a DTMF decoder that
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> >I just got this working last night.
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> >with the schematic, basic stamp 2 code, and images... it works great.
> >If you want the details just say so.
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> >Now the hard part is the timer based version..... My code is already maxing
> >out the basic stamp, and in order to count that high.... I'd have to have 4
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> >Do I HAVE to have a timer backup? If so, I probably will need an external
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> >Counting that high requires a lot of code and several variables... big code
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> >--
> >David Ritzenthaler - Hardware Design Engr.

> >208.396.3618 - david_ritzenthaler@...
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>

2033. You Owe...

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-01 14:35:28 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2033 Message: 2033

Don't forget, I need people to write articles for ATV Quarterly. The published an article of mine on near space and Gene would like to get more articles.

Tomorrow is Scientific Wizardary day. Please show up and help spread the word about TVNSP to a science-minded audience.

Paul

2034. Patches/Logos

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-01 14:39:06 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2034 Message: 2034
Attachments: 4 described; binary payloads are missing from this source WARC

I have a logo design for GPSL 2002. Please look it over and make any recommended changes. I'm also including the working logo for TVNSP. The only planned change is to get the letters turn radially, rather than orienting them vertically.

Paul

2035. Re: [tvnsp] cutdown device

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-28 23:21:29 UTC
From: Tony Barrett
Topic: 2027 Message: 2035

Hey Paul,

What do we know about the condition of the line at the time we want to cut it? I would imagine its temperature is at least 40 below zero. Is the nylon line brittle at this time and temperature?

Thanks,

Tony

At 07:17 AM 3/1/02 -0700, you wrote:
>I'll bring mine to the next meeting. We used it on the last flight and
>it worked very well.
>
>Paul
>
> > The good old 555 timer can be set to count down hours.
> >
> > At 01:56 PM 2/28/02 -0500, you wrote:
> > >I was searching the archives for the regulations on cutdown devices... and
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> ahoo! Terms of Service.
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2036. Scientific Wizardry

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-28 23:36:32 UTC
From: Tony Barrett
Topic: 2018 Message: 2036

So Paul,

Do you still need someone to help you at Scientific Wizardry tomorrow? What times? How long?

Tony

2037. Publicity

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-28 23:41:12 UTC
From: Tony Barrett
Topic: 2037 Message: 2037

Hey Paul,

HP sponsors a "visiting scientist" program where engineers go into the classroom (mostly grade school and middle school) once a month for an hour or two and put on various science demonstrations. HP maintains a room full of science demonstration kits. I wonder if we could put together something on Near Space for this program. You might even want to trade demos with the schools you work with. You could inspire some kids to come out for a launch and to bring their families.

Just a thought.

Tony

2038. RE: [tvnsp] cutdown device

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-01 16:39:12 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 2027 Message: 2038

I'm guessing your considering a high altitude cutdown devise of some type...
don't forget, your cutdown device must work at a wide range of elevations
and
flight times... and not depend on air temp...

The operator shall activate the appropriate devices required by paragraphs
(a) (1) and (2) of this section when weather conditions are less than those
prescribed for operation under this subpart, or if a malfunction or any
other reason makes the further operation hazardous to other air traffic or
to persons and property on the surface. <http://www.eoss.org/pubs/#_ftn8>
[8]

-----Original Message-----
From: Tony Barrett [mailto:tonybarrett@...]
Sent: Thursday, February 28, 2002 4:21 PM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] cutdown device

Hey Paul,

What do we know about the condition of the line at the time we want to cut
it? I would imagine its temperature is at least 40 below zero. Is the
nylon line brittle at this time and temperature?

Thanks,

Tony

At 07:17 AM 3/1/02 -0700, you wrote:
>I'll bring mine to the next meeting. We used it on the last flight and
>it worked very well.
>
>Paul
>
> > The good old 555 timer can be set to count down hours.
> >
> > At 01:56 PM 2/28/02 -0500, you wrote:
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> > >found this:
> > >
> > > > That takes care of one cutdown device. I suggest the second be a
> > > > combination of a timer and a way to send commands up on the APRS
link.
> > > > I believe you aren't doing anything with receive audio from the
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> > > > listens for a specific sequence of tones to trigger the cutdown.

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> > >or 5
> > >byte level variables and quite a if then structure to know when 70
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> > >went by...
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> > >
> > >Do I HAVE to have a timer backup? If so, I probably will need an
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> > >timer solution...
> > >
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2039. Re: [tvnsp] cutdown device

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-01 16:56:50 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2027 Message: 2039

> Hey Paul,
>
> What do we know about the condition of the line at the time we want to cut
> it? I would imagine its temperature is at least 40 below zero. Is the
> nylon line brittle at this time and temperature?

The cord could be warmer because of sunlight shining on it.
Looking at all the recovered load lines, it appears the nylon does
not get brittle (or at least it doesn't break from being brittle).

Paul

2040. Re: [tvnsp] Publicity

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-01 16:58:29 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2037 Message: 2040

> HP sponsors a "visiting scientist" program where engineers go into the
> classroom (mostly grade school and middle school) once a month for an hour
> or two and put on various science demonstrations. HP maintains a room full
> of science demonstration kits. I wonder if we could put together something
> on Near Space for this program. You might even want to trade demos with
> the schools you work with. You could inspire some kids to come out for a
> launch and to bring their families.

I say we do it.

Paul

2041. RE: [tvnsp] cutdown device

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-01 17:18:39 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2027 Message: 2041

The thermal knife works fine in the cold. We encase it in a block of
styrofoam to protect against fires. The foam also keeps it
insulated. I'm not aware of any case of a failure of thermal knifes
due to temperatures. I imagine though that it would fail if there was
high winds blowing across the coil.

Paul

> I'm guessing your considering a high altitude cutdown devise of some type...
> don't forget, your cutdown device must work at a wide range of elevations
> and
> flight times... and not depend on air temp...
>
> The operator shall activate the appropriate devices required by paragraphs
> (a) (1) and (2) of this section when weather conditions are less than those
> prescribed for operation under this subpart, or if a malfunction or any
> other reason makes the further operation hazardous to other air traffic or
> to persons and property on the surface. <http://www.eoss.org/pubs/#_ftn8>
> [8]
>
> -----Original Message-----
> From: Tony Barrett [mailto:tonybarrett@...]
> Sent: Thursday, February 28, 2002 4:21 PM
> To: tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] cutdown device
>
>
> Hey Paul,
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> What do we know about the condition of the line at the time we want to cut
> it? I would imagine its temperature is at least 40 below zero. Is the
> nylon line brittle at this time and temperature?
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> Thanks,
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> Tony
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> At 07:17 AM 3/1/02 -0700, you wrote:
> >I'll bring mine to the next meeting. We used it on the last flight and
> >it worked very well.
> >
> >Paul
> >
> > > The good old 555 timer can be set to count down hours.
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> > > At 01:56 PM 2/28/02 -0500, you wrote:
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> > > >
> > > > > That takes care of one cutdown device. I suggest the second be a
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> > > > > I believe you aren't doing anything with receive audio from the
> > > > > transceiver in the tracker, so how about adding a DTMF decoder that
> > > > > listens for a specific sequence of tones to trigger the cutdown.
> > > >
> > > >I just got this working last night.
> > > >I hate to send out attachments in shotgun fashion.. but i have the
> pspice
> > > >file
> > > >with the schematic, basic stamp 2 code, and images... it works great.
> > > >If you want the details just say so.
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> > > >Now the hard part is the timer based version..... My code is already
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> > > >went by...
> > > >(and 20MHz....)
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2042. RE: [tvnsp] cutdown device

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-01 17:28:02 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 2027 Message: 2042

I was thinking Tony was going to take advantage of the brittle load line....
in which case a mechanical cutdown device that depends on the rope being
brittle may not work if the rope were soft and pliable at lower elevations
(warmer temps).

I love the idea of a mechanical load line chopper, but I think we should
steer
away from depending on any particular environmental condition in order for
the
device to function properly.

-----Original Message-----
From: verhap@... [mailto:verhap@...]
Sent: Friday, March 01, 2002 3:19 AM
To: tvnsp@yahoogroups.com
Subject: RE: [tvnsp] cutdown device

The thermal knife works fine in the cold. We encase it in a block of
styrofoam to protect against fires. The foam also keeps it
insulated. I'm not aware of any case of a failure of thermal knifes
due to temperatures. I imagine though that it would fail if there was
high winds blowing across the coil.

Paul

> I'm guessing your considering a high altitude cutdown devise of some
type...
> don't forget, your cutdown device must work at a wide range of elevations
> and
> flight times... and not depend on air temp...
>
> The operator shall activate the appropriate devices required by paragraphs
> (a) (1) and (2) of this section when weather conditions are less than
those
> prescribed for operation under this subpart, or if a malfunction or any
> other reason makes the further operation hazardous to other air traffic or
> to persons and property on the surface. < http://www.eoss.org/pubs/#_ftn8
<http://www.eoss.org/pubs/#_ftn8> >
> [8]
>
> -----Original Message-----
> From: Tony Barrett [mailto:tonybarrett@...]
> Sent: Thursday, February 28, 2002 4:21 PM
> To: tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] cutdown device
>

>
> Hey Paul,
>
> What do we know about the condition of the line at the time we want to cut

> it? I would imagine its temperature is at least 40 below zero. Is the
> nylon line brittle at this time and temperature?
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> Thanks,
>
> Tony
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> At 07:17 AM 3/1/02 -0700, you wrote:
> >I'll bring mine to the next meeting. We used it on the last flight and
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> > > The good old 555 timer can be set to count down hours.
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2043. RE: [tvnsp] cutdown device

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-01 17:29:48 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 2027 Message: 2043

also, I'm guessing the stack goes like this:

balloon
load line (cutaway here somewhere)
parachute
craft

so when the cutaway device activates, when the load line
is cut, then the red hot cutaway device falls down onto the
parachute? What is your configuration to keep the cutaway
from melting the chute?
Dave

-----Original Message-----
From: verhap@... [mailto:verhap@...]
Sent: Friday, March 01, 2002 3:19 AM
To: tvnsp@yahoogroups.com
Subject: RE: [tvnsp] cutdown device

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> [8]
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> -----Original Message-----
> From: Tony Barrett [mailto:tonybarrett@...]
> Sent: Thursday, February 28, 2002 4:21 PM
> To: tvnsp@yahoogroups.com

> Subject: Re: [tvnsp] cutdown device
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> Hey Paul,
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> What do we know about the condition of the line at the time we want to cut
> it? I would imagine its temperature is at least 40 below zero. Is the
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2044. RE: [tvnsp] cutdown device

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-01 17:27:46 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2027 Message: 2044

> also, I'm guessing the stack goes like this:
>
> balloon
> load line (cutaway here somewhere)
> parachute
> craft

That's right.

> so when the cutaway device activates, when the load line
> is cut, then the red hot cutaway device falls down onto the
> parachute? What is your configuration to keep the cutaway
> from melting the chute?

The timer operates the thermal knife for only 1 minute (but not at a 100% duty cycle). The knife is locked inside a styro box, but can't touch the sides of the box. It gets warm inside, but doesn't melt a hole through it.

Paul

2045. timer for cutdown device

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-01 19:06:47 UTC
From: Hank Riley
Topic: 2027 Message: 2045

> I'll bring mine to the next meeting. We used it on the
> last flight and it worked very well.
>
> Paul

Paul,

The whole cutdown thread has been interesting, but it seems like you've already built and perfected this "wheel." The thermal cord cutter has also been used by countless others of course.

You've described the knife and its enclosure already, but I think a few people would like to know a bit about how the delay is accomplished, since David has given the impression that the use of the BASIC Stamp for doing long delays might be cumbersome (at least delays that will allow other tasks to be attended to).

This is the only thing I've been able to find regarding the subject of timer implementation in previous messages:

PV> The flight computer and stopwatch will be two
PV> other mechanisms.

If you can, please give just a few details if it's done in the Stamp.

Hank

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2046. Re: [tvnsp] timer for cutdown device

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-01 19:07:13 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2027 Message: 2046

> You've described the knife and its enclosure already, but
> I think a few people would like to know a bit about how the
> delay is accomplished, since David has given the impression
> that the use of the BASIC Stamp for doing long delays might
> be cumbersome (at least delays that will allow other tasks to
> be attended to).
>
> This is the only thing I've been able to find regarding the
> subject of timer implementation in previous messages:
>
> PV> The flight computer and stopwatch will be two
> PV> other mechanisms.
>
> If you can, please give just a few details if it's done in the
> Stamp.

I have the stopwatch "ring" a transistor in place of it's speaker.
That allows current to flow through the relay, turning on power to
the nichrome coil. As long as the stopwatch rings (one minute), it
operates the thermal knife.

Anything can operate the transistor switch. I have wired up a pager
to it, but we couldn't ring the pager during the flight. I'll look at
getting a wider area of coverage for future tests.

Paul

2047. Re: [tvnsp] timer for cutdown device

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-01 19:55:40 UTC
From: Hank Riley
Topic: 2027 Message: 2047

Paul,

I don't know what the "stopwatch" is for sure. I guess
it's something completely apart from the BASIC Stamp and
it's some kind of consumer timer (maybe a kitchen cook timer)
that you've hooked into the cutdown circuit as described.
Before this message, I thought this was not a literal stopwatch,
but just the name for a function implemented within the Stamp.

What I'm trying to get at is if it is indeed cumbersome or
impossible to do a "background" hours long delay in the
Stamp in *Stamp-contained* software alone. It seems as if
that conclusion is correct, and therefore the Stamp needs an
external "helper timer" of some sort as has been discusssed.

So, to summarize, I'm interested in the *generation* of the time
delay itself, not the activation or interface circuit and method.
If that point could be established, then I've got a suggestion
to make regarding the implementation of an external timer that
would be very reliable and simple.

Hank

> I have the stopwatch "ring" a transistor in place of its speaker.
> That allows current to flow through the relay, turning on power to
> the nichrome coil. As long as the stopwatch rings (one minute), it
> operates the thermal knife.

> Paul

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2048. Re: [tvnsp] timer for cutdown device

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-01 19:57:14 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2027 Message: 2048

> I don't know what the "stopwatch" is for sure. I guess
> it's something completely apart from the BASIC Stamp and
> it's some kind of consumer timer (maybe a kitchen cook timer)
> that you've hooked into the cutdown circuit as described.
> Before this message, I thought this was not a literal stopwatch,
> but just the name for a function implemented within the Stamp.

Oops, sorry for the confusion. I use a stopwatch that I bought from
Walmart. It's the ATQ2, a $5 stopwatch in the jewelry department
of Walmart. I removed the piezo spreaker from the back and
connected wires to the springs that made contact witht he piezo
disk.

We set the timer the night before the launch.

Send me your address and I'll send you a length of nichrome and
documentation on the circuit.

Paul

2049. Re: [tvnsp] timer for cutdown device

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-01 20:13:18 UTC
From: Hank Riley
Topic: 2027 Message: 2049

> Hank, it is literally a stopwatch, the kind you buy
> for track, etc.

John,

Thanks for establishing that point.

Now if Paul could just comment on doing delays
within a Stamp as a *background* task. I see that
the PAUSE statement would allow for multi-hour
delays, but nothing else would get done.

This is fully acknowledging that Paul's stopwatch
method ain't broke and doesn't need fixing. :)

Hank

_____
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2050. Re: [tvnsp] timer for cutdown device

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-01 20:26:09 UTC
From: Mark Conner
Topic: 2027 Message: 2050

While we're sort of on the subject of dual-redundant cutdown devices.....

Is a common battery, circuit, and nichrome coil tripped by one of two separate methods considered a dual cutdown device? I think I would prefer two coils, two sets of batteries, two circuits, but one on the stopwatch and one on the pager/BS2 output/DTMF controller/etc. This would prevent a single failure point from causing the cutdown to fail. But I haven't even built the first one yet. :)

73 de Mark N9XTN

From: Hank Riley
To: tvnsp@yahoogroups.com
Sent: Friday, March 01, 2002 14:13
Subject: Re: [tvnsp] timer for cutdown device

> Hank, it is literally a stopwatch, the kind you buy
> for track, etc.

John,

Thanks for establishing that point.

Now if Paul could just comment on doing delays
within a Stamp as a *background* task. I see that
the PAUSE statement would allow for multi-hour
delays, but nothing else would get done.

This is fully acknowledging that Paul's stopwatch
method ain't broke and doesn't need fixing. :)

Hank

2051. Re: [tvnsp] timer for cutdown device

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-01 20:31:21 UTC
From: John Knapp
Topic: 2027 Message: 2051

I would have to consider the use of a single battery source, circuit, and nicrome coil as one cut down device, even if there were two seperate methods of cutdown. You are correct, you have a single point of failure, esp. with batteries. But if the circuit or coil some how failed, it wouldn't matter how many tripping methods you have, they won't work.

My two and half cents worth

John Knapp
KD7HGS
--- Mark Conner <n9xtn@...> wrote:
> While we're sort of on the subject of dual-redundant
> cutdown devices.....
>
> Is a common battery, circuit, and nichrome coil
> tripped by one of two separate methods considered a
> dual cutdown device? I think I would prefer two
> coils, two sets of batteries, two circuits, but one
> on the stopwatch and one on the pager/BS2
> output/DTMF controller/etc. This would prevent a
> single failure point from causing the cutdown to
> fail. But I haven't even built the first one yet.
> :)
>
> 73 de Mark N9XTN
>
> From: Hank Riley
> To: tvnsp@yahoogroups.com
> Sent: Friday, March 01, 2002 14:13
> Subject: Re: [tvnsp] timer for cutdown device
>
>
> > Hank, it is literally a stopwatch, the kind you
> buy
> > for track, etc.
>
> John,
>
> Thanks for establishing that point.
>
> Now if Paul could just comment on doing delays
> within a Stamp as a *background* task. I see that
>

> the PAUSE statement would allow for multi-hour
> delays, but nothing else would get done.
>
> This is fully acknowledging that Paul's stopwatch
> method ain't broke and doesn't need fixing. :)
>
> Hank
>
>

_____
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2052. Re: [tvnsp] timer for cutdown device

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-01 20:35:59 UTC
From: Hank Riley
Topic: 2027 Message: 2052

> I think I would prefer two coils, two sets of batteries,
> two circuits, but one on the stopwatch and one on the
> pager/BS2 output/DTMF controller/etc.

I've found much cheaper prices on those popular 3 volt
lithium camera batteries. I think a group buy would
be advantageous, and I'd be willing to do that.

Hank

_____
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2053. Re: [tvnsp] timer for cutdown device

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-01 23:19:24 UTC
From: Zack Clobes
Topic: 2027 Message: 2053

Why don't you just watch the time and/or altitude data coming from the GPS to determine when to cut the balloon down. You could even go a step forward with that and make the condition that if the GPS data stopped during the launch, the cutdown would automatically fire.

There would need to be a small amount of house-keep/initialization code to go along with it - some code to keep the cutdown from firing on the ground (e.g. during power-up) comes to mind.

Zack
----- Original Message -----
From: Hank Riley
To: tvnsp@yahoogroups.com
Sent: Friday, March 01, 2002 11:55 AM
Subject: Re: [tvnsp] timer for cutdown device

Paul,

I don't know what the "stopwatch" is for sure. I guess
it's something completely apart from the BASIC Stamp and
it's some kind of consumer timer (maybe a kitchen cook timer)
that you've hooked into the cutdown circuit as described.
Before this message, I thought this was not a literal stopwatch,
but just the name for a function implemented within the Stamp.

What I'm trying to get at is if it is indeed cumbersome or
impossible to do a "background" hours long delay in the
Stamp in *Stamp-contained* software alone. It seems as if
that conclusion is correct, and therefore the Stamp needs an
external "helper timer" of some sort as has been discusssed.

So, to summarize, I'm interested in the *generation* of the time
delay itself, not the activation or interface circuit and method.
If that point could be established, then I've got a suggestion
to make regarding the implementation of an external timer that
would be very reliable and simple.

Hank

> I have the stopwatch "ring" a transistor in place of its speaker.
> That allows current to flow through the relay, turning on power to
> the nichrome coil. As long as the stopwatch rings (one minute), it
> operates the thermal knife.

> Paul

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2054. Re: [tvnsp] timer for cutdown device

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-01 21:49:51 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2027 Message: 2054

> > Hank, it is literally a stopwatch, the kind you buy
> > for track, etc.
>
> John,
>
> Thanks for establishing that point.
>
> Now if Paul could just comment on doing delays
> within a Stamp as a *background* task. I see that
> the PAUSE statement would allow for multi-hour
> delays, but nothing else would get done.
>
> This is fully acknowledging that Paul's stopwatch
> method ain't broke and doesn't need fixing. :)

Since the BS-2p and it's brethern are not multitaskers, you can't run a timer in background. The Motorola 68 series micros are capable of multitasking and have background timers. But of course, they're more difficult to program.

I'm working on a second design that incorporates the timer with other signalling methods. As an example, you could connect a pager, flight computer, and timer to one board. Either one could trigger a flight termination.

Paul

2055. Re: [tvnsp] timer for cutdown device

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-01 21:53:12 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2027 Message: 2055

> Is a common battery, circuit, and nichrome coil tripped by one of two separate methods considered a dual cutdown device? I think I would prefer two coils, two sets of batteries, two circuits, but one on the stopwatch and one on the pager/BS2 output/DTMF controller/etc. This would prevent a
single failure point from causing the cutdown to fail. But I haven't even built the first one yet. :)

I believe you're right, that not having the seperate coils, batteries,
etc is not the FAA's idea of redunant cutdown. My latest design
uses a single board, but has multiple coils, batteries, and signals.

The only problem I have encountered is that I need a $10 battery to
operate the coil. Cheaper AA cells won't get the coil hot enough.

Paul

2056. Re: [tvnsp] timer for cutdown device

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-01 21:54:44 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2027 Message: 2056

> I've found much cheaper prices on those popular 3 volt
> lithium camera batteries. I think a group buy would
> be advantageous, and I'd be willing to do that.

Three volt? I currently (get it?) use a six volt 2CR5 camera battery.
They cost $10 at Walmart and are good for only a couple of
operations.

Paul

2057. Re: [tvnsp] timer for cutdown device

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-01 21:58:47 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2027 Message: 2057

> Why don't you just watch the time and/or altitude data coming from the GPS to determine when to cut the balloon down. You could even go a step forward with that and make the condition that if the GPS data stopped during the launch, the cutdown would a utomatically fire.

That's pretty much what I'm planning. I have an older circuit design that uses flip-flops as part of a watch dog timer. The BS-1 checks the flip flops for a no-reset event.

Devices connected to the 4 channel flip flops are basically sending a heart beat to the watch dog. When the heart beat stops, the flip flops are not reset. At that point the BS-1 triggers a thermal knife.

Some GPS recievers output a 1PPS. That would be the GPS's heart beat. The flight computer would be required to send a pulse once a minute (or at some other time interval).

Paul

2058. Balloon

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-01 22:31:03 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2058 Message: 2058

We need to order a balloon for the March flight. How do we get the money, or get the bill to VOI?

For $50 we can get a 1200 gram balloon, which will make somewhere around 85,000 feet. For $65 we can get the new 1500 gram balloons, which will get us somewhere near 90 to 95,000 feet.

Which one?

My Prizm can't carry helium tanks. Can someone stop by Shenans and get two tanks? Do we still have a tank lying around? We also need to put money in our helium account. When the welding shop asks, tell them you're with Treasure Valley Near Space and that we have an account with them.

Paul

2059. Re: [tvnsp] timer for cutdown device

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-01 22:42:04 UTC
From: Bill Herrmann
Topic: 2027 Message: 2059

At 02:49 PM 3/1/02 -0700, you wrote:
> > This is fully acknowledging that Paul's stopwatch
> > method ain't broke and doesn't need fixing. :)
>Since the BS-2p and it's brethern are not multitaskers, you can't
>run a timer in background.

Personally, I think it's important to have a timer and cutdown device that is outside of the control of the microprocessor. (other than perhaps to hold off the cutdown action by sending a series of "I'm alive" pulses)

That way you have a method that should cut it down even if the microprocessor fails.

Bill

2060. Helium

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-01 22:43:08 UTC
From: Mike Garske
Topic: 382 Message: 2060

Paul, I am the keeper and dispenser of the noble gases, I can pick the tanks up from Sheehan's when we need them....

We don't have any tanks outstanding.

Mike KC7DPD

----- Original Message -----
From: <verhap@...>
To: <tvnsp@yahoogroups.com>
Sent: Friday, March 01, 2002 3:31 PM
Subject: [tvnsp] Balloon

> We need to order a balloon for the March flight. How do we get the
> money, or get the bill to VOI?
>
> For $50 we can get a 1200 gram balloon, which will make
> somewhere around 85,000 feet. For $65 we can get the new 1500
> gram balloons, which will get us somewhere near 90 to 95,000 feet.
>
> Which one?
>
> My Prizm can't carry helium tanks. Can someone stop by
> Shenans and get two tanks? Do we still have a tank lying around?
> We also need to put money in our helium account. When the
> welding shop asks, tell them you're with Treasure Valley Near
> Space and that we have an account with them.
>
> Paul
>
>
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2061. Re: [tvnsp] timer for cutdown device

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-01 22:44:41 UTC
From: John Knapp
Topic: 2027 Message: 2061

But if the board fails won't that be the single point
of failure and not be a redundate device?

John Knapp
--- verhap@... wrote:
> > > Hank, it is literally a stopwatch, the kind you
> buy
> > > for track, etc.
> >
> > John,
> >
> > Thanks for establishing that point.
> >
> > Now if Paul could just comment on doing delays
> > within a Stamp as a *background* task. I see that
>
> > the PAUSE statement would allow for multi-hour
> > delays, but nothing else would get done.
> >
> > This is fully acknowledging that Paul's stopwatch
> > method ain't broke and doesn't need fixing. :)
>
> Since the BS-2p and it's brethern are not
> multitaskers, you can't
> run a timer in background. The Motorola 68 series
> micros are
> capable of multitasking and have background timers.
> But of
> course, they're more difficult to program.
>
> I'm working on a second design that incorporates the
> timer with
> other signalling methods. As an example, you could
> connect a
> pager, flight computer, and timer to one board.
> Either one could
> trigger a flight termination.
>
> Paul
>

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2062. Re: [tvnsp] Balloon

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-01 23:09:23 UTC
From: Doug Rich
Topic: 2058 Message: 2062

I have a CC that I can use for the order. Let me know what to order and I will do it.
Doug

At 03:31 PM 3/1/02 -0700, you wrote:
>We need to order a balloon for the March flight. How do we get the
>money, or get the bill to VOI?
>
>For $50 we can get a 1200 gram balloon, which will make
>somewhere around 85,000 feet. For $65 we can get the new 1500
>gram balloons, which will get us somewhere near 90 to 95,000 feet.
>
>Which one?

2063. Re: [tvnsp] Helium

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-02 02:04:46 UTC
From: Zack Clobes
Topic: 382 Message: 2063

How much are you paying for 240cu' of He?
----- Original Message -----
From: Mike Garske
To: tvnsp@yahoogroups.com
Sent: Friday, March 01, 2002 2:43 PM
Subject: [tvnsp] Helium

Paul, I am the keeper and dispenser of the noble gases, I can pick the tanks up from Sheehan's when we need them....

We don't have any tanks outstanding.

Mike KC7DPD

----- Original Message -----
From: <verhap@...>
To: <tvnsp@yahoogroups.com>
Sent: Friday, March 01, 2002 3:31 PM
Subject: [tvnsp] Balloon

> We need to order a balloon for the March flight. How do we get the
> money, or get the bill to VOI?
>
> For $50 we can get a 1200 gram balloon, which will make
> somewhere around 85,000 feet. For $65 we can get the new 1500
> gram balloons, which will get us somewhere near 90 to 95,000 feet.
>
> Which one?
>
> My Prizm can't carry helium tanks. Can someone stop by
> Shenans and get two tanks? Do we still have a tank lying around?
> We also need to put money in our helium account. When the
> welding shop asks, tell them you're with Treasure Valley Near
> Space and that we have an account with them.
>
> Paul
>
>
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2064. low priced lithiums

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-02 02:41:53 UTC
From: Hank Riley
Topic: 2027 Message: 2064

HR> > I've found much cheaper prices on those popular 3 volt
HR> > lithium camera batteries. I think a group buy would
HR> > be advantageous, and I'd be willing to do that.

PV> Three volt? I currently (get it?) use a six volt 2CR5 camera
PV> battery.

Well, the basic 3 volt cell in your 2CR5 (2 side by side)
is what I'm talking about, a CR123A.

PV> They cost $10 at Walmart and are good for only a couple of
PV> operations.

I've found these 123As for $2, so the 2CR5 equivalent
would be under one-half of Walmart's price. The actual
2CR5 might be around cheaper in bulk, too. The nice
thing about the 123A is that it's easier to run up the
quantity for a bulk order.

Hank

_____
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Yahoo! Sports - sign up for Fantasy Baseball
http://sports.yahoo.com

2065. Re: [tvnsp] timer for cutdown device

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-02 02:48:38 UTC
From: Hank Riley
Topic: 2027 Message: 2065

> Since the BS-2p and it's brethren are not multitaskers, you
> can't run a timer in background.

Okay, just wanted to make sure there wasn't a trick with
the Stamp that could achieve an interrupt.

> The Motorola 68 series micros are
> capable of multitasking and have background timers. But of
> course, they're more difficult to program.

I don't think there are many small microcontrollers around
now that *don't* allow interrupts. All but the smallest
and oldest PICs do this, and it's the same for Atmel.

Hank

_____
Do You Yahoo!?
Yahoo! Sports - sign up for Fantasy Baseball
http://sports.yahoo.com

2066. Re: [tvnsp] Tracking Predictions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-02 04:55:29 UTC
From: Zack Clobes
Topic: 1953 Message: 2066
Attachments: 1 described; binary payloads are missing from this source WARC

Mark,
Would you mind looking over this initial prediction for our 9 March (8:00am) launch. I pulled from your long-range site that you suggested - just want to make sure I'm doing it right.

1300'/min Ascent
1400'/min Descent
78,000' Burst

Thanks,
Zack

----- Original Message -----
From: Mark Conner
To: tvnsp@yahoogroups.com ; KNSP
Sent: Tuesday, February 19, 2002 7:32 PM
Subject: Re: [tvnsp] Tracking Predictions

The original post didn't go to KNSP, but this reply will.

Instead of using DDC or TOP observed soundings for your predictions, I would recommend using a forecast sounding for HUT.

Go to this website
http://www.arl.noaa.gov/ready-bin/profsrc.pl?metdata=MRF+191+km

and enter "HUT" for the ID. Then select the time period you're interested in on the next page (max of 288 hours or 12 days out) and generate the sounding. When you see the graphic, click on the "Sounding text and any error messages" link and save that text file. You can import that into Balloon Track and use those winds.

When you get within 60 hours of launch, go to this page:
http://www.arl.noaa.gov/ready/cmet.html

and select either the Eta 91km or AVN 191km next to the forecast soundings block and proceed as above.

Dodge City and Topeka are a little far away to use, and today's winds won't tell you much about a March 9th launch. The forecast soundings will be better once you're within 12 days of your launch date.

73 de Mark N9XTN
----- Original Message -----
From: Zack Clobes
To: tvnsp@yahoogroups.com ; knsp@yahoo.com
Sent: Tuesday, February 19, 2002 22:32
Subject: [tvnsp] Tracking Predictions

I'm wondering if someone would mind checking my predictions that I just ran (in preparation for the 9 March launch). I pulled data from the Dodge City (DDC) and Topeka (TOP) data sets and got landing predictions that were about 40 miles apart. I've attached a map that shows the two predictions.

The top path was from the Topeka data, and the bottom set was from Dodge City.

The soundings came from http://www.met.fsu.edu/CUDOS/cgi/ezuacode.html. It was about 8:00pm (central) on 19 Feb 2002 but I can't seem to find a date/time from the report.

I'm using the latest version of Balloon Tracker (from EOSS).

Thanks,
Zack Clobes, W0ZC

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2067. Re: [tvnsp] Tracking Predictions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-02 03:01:36 UTC
From: Hank Riley
Topic: 1953 Message: 2067

Zack,

There's a slight inconsistency in the burst tables in
LIFTWIN that has just been discovered in the last week.
I'll try to get you a revised program, but at the very
least will give you revised figures for burst height.

It will be in the direction of an increase by 10 or 15
thousand feet, so that will affect your prediction.

The LIFTWIN burst heights for the 1000 gram and 1200 gram
Kaymonts are legit values from Kaymont (from one of at
least three different tables issued by Kaymont), but
they're not from the same table as for all the other
weight Kaymont balloons in LIFTWIN.

All the other LIFTWIN results are okay except burst height,
time to burst, and radio range.

Hank

> Mark,

> Would you mind looking over this initial prediction for our 9 March
> (8:00am) launch. I pulled from your long-range site that you
> suggested - just want to make sure I'm doing it right.
>
> 1300'/min Ascent
> 1400'/min Descent
> 78,000' Burst
>
> Thanks,
> Zack

_____
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Yahoo! Sports - sign up for Fantasy Baseball
http://sports.yahoo.com

2068. Re: [tvnsp] Tracking Predictions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-02 05:09:13 UTC
From: Zack Clobes
Topic: 1953 Message: 2068

That doesn't really surprise me - our last flight was basically same config (balloon, gas, mass) and we hit 93,000'.

Thanks,
Zack
----- Original Message -----
From: Hank Riley
To: tvnsp@yahoogroups.com
Sent: Friday, March 01, 2002 7:01 PM
Subject: Re: [tvnsp] Tracking Predictions

Zack,

There's a slight inconsistency in the burst tables in
LIFTWIN that has just been discovered in the last week.
I'll try to get you a revised program, but at the very
least will give you revised figures for burst height.

It will be in the direction of an increase by 10 or 15
thousand feet, so that will affect your prediction.

The LIFTWIN burst heights for the 1000 gram and 1200 gram
Kaymonts are legit values from Kaymont (from one of at
least three different tables issued by Kaymont), but
they're not from the same table as for all the other
weight Kaymont balloons in LIFTWIN.

All the other LIFTWIN results are okay except burst height,
time to burst, and radio range.

Hank

> Mark,

> Would you mind looking over this initial prediction for our 9 March
> (8:00am) launch. I pulled from your long-range site that you
> suggested - just want to make sure I'm doing it right.
>
> 1300'/min Ascent
> 1400'/min Descent
> 78,000' Burst
>
> Thanks,
> Zack

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2069. RE: [tvnsp] cutdown device

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-01 14:10:23 UTC
From: Tony Barrett
Topic: 2027 Message: 2069
Attachments: 2 described; binary payloads are missing from this source WARC

Agreed. Just curious.

At 09:28 AM 3/1/02 -0800, you wrote:
>
>
>I was thinking Tony was going to take advantage of the brittle load line....
>in which case a mechanical cutdown device that depends on the rope being
>brittle may not work if the rope were soft and pliable at lower elevations
>(warmer temps).
>
>I love the idea of a mechanical load line chopper, but I think we should steer
>away from depending on any particular environmental condition in order for the
>device to function properly.
>
>
>-----Original Message-----
>From: verhap@... [mailto:verhap@...]
>Sent: Friday, March 01, 2002 3:19 AM
>To: tvnsp@yahoogroups.com
>Subject: RE: [tvnsp] cutdown device
>
>The thermal knife works fine in the cold. We encase it in a block of
>styrofoam to protect against fires. The foam also keeps it
>insulated. I'm not aware of any case of a failure of thermal knifes
>due to temperatures. I imagine though that it would fail if there was
>high winds blowing across the coil.
>
>Paul
>
> > I'm guessing your considering a high altitude cutdown devise of some
> type...
> > don't forget, your cutdown device must work at a wide range of elevations
> > and
> > flight times... and not depend on air temp...
> >
> > The operator shall activate the appropriate devices required by paragraphs
> > (a) (1) and (2) of this section when weather conditions are less than
> those
> > prescribed for operation under this subpart, or if a malfunction or any
> > other reason makes the further operation hazardous to other air traffic or
> > to persons and property on the
> surface. <<http://www.eoss.org/pubs/#_ftn8>http://www.eoss.org/pubs/#_ftn8>
> > [8]
> >

> > -----Original Message-----
> > From: Tony Barrett [mailto:tonybarrett@...]
> > Sent: Thursday, February 28, 2002 4:21 PM
> > To: tvnsp@yahoogroups.com
> > Subject: Re: [tvnsp] cutdown device
> >
> >
> > Hey Paul,
> >
> > What do we know about the condition of the line at the time we want to cut
> > it? I would imagine its temperature is at least 40 below zero. Is the
> > nylon line brittle at this time and temperature?
> >
> > Thanks,
> >
> > Tony
> >
> > At 07:17 AM 3/1/02 -0700, you wrote:
> > >I'll bring mine to the next meeting. We used it on the last flight and
> > >it worked very well.
> > >
> > >Paul
> > >
> > > > The good old 555 timer can be set to count down hours.
> > > >
> > > > At 01:56 PM 2/28/02 -0500, you wrote:
> > > > >I was searching the archives for the regulations on cutdown
> devices...
> > and
> > > > > >found this:
> > > > > >
> > > > > > That takes care of one cutdown device. I suggest the second be a
> > > > > > combination of a timer and a way to send commands up on the APRS
> > link.
> > > > > > I believe you aren't doing anything with receive audio from the
> > > > > > transceiver in the tracker, so how about adding a DTMF decoder
> that
> > > > > > listens for a specific sequence of tones to trigger the cutdown.
> > > > > >
> > > > > >I just got this working last night.
> > > > > >I hate to send out attachments in shotgun fashion.. but i have the
> > pspice
> > > > > >file
> > > > > >with the schematic, basic stamp 2 code, and images... it works great.
> > > > > >If you want the details just say so.
> > > > > >
> > > > > >Now the hard part is the timer based version..... My code is already
> > > maxing
> > > > > >out the basic stamp, and in order to count that high.... I'd have to
> > > have 4

> > > > >or 5
> > > > >byte level variables and quite a if then structure to know when 70
> > minutes
> > > > >went by...
> > > > >(and 20MHz....)
> > > > >
> > > > >Do I HAVE to have a timer backup? If so, I probably will need an
> > external
> > > > >timer solution...
> > > > >
> > > > >Currently... if i interpret the archives correctly, a latex
> balloon is
> > > > >considered it's own cutdown
> > > > >device because it will pop, and I do have a remote control cutdown
> > > > >operational.... so MUST
> > > > >I have a timer based cutdown? Can anyone suggest a fast solution
> > > > >internal/external to the BS2?
> > > > >
> > > > >Counting that high requires a lot of code and several variables...
> big
> > > code
> > > > >for a little feature.
> > > > >
> > > > >--
> > > > >David Ritzenthaler - Hardware Design Engr.
> > > > >208.396.3618 - david_ritzenthaler@...
> > > > >Hewlett-Packard - 11311 Chinden Boulevard
> > > > > Mail stop 135 - Boise, ID 83714-1021
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>
> >
> 81:HM/A=847665/R=0/*<http://ads.x10.com/?bHlhaG9vbW9uc3RlcjcuZGF0=1014996122%>http://ads
.x10.com/?bHlhaG9vbW9uc3RlcjcuZGF0=1014996122%
>
> >
> 3eM=215002.1818248.3328688.1261774/D=egroupweb/S=1705083281:HM/A=847665/R=1>
> >
> >
> >
> <<http://us.adserver.yahoo.com/l?M=215002.1818248.3328688.1261774/D=egroupmai>http://us.
adserver.yahoo.com/l?M=215002.1818248.3328688.1261774/D=egroupmai
>
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2070. Re: [tvnsp] timer for cutdown device

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-01 14:44:34 UTC
From: Tony Barrett
Topic: 2027 Message: 2070
Attachments: 2 described; binary payloads are missing from this source WARC

Agreed, it ain't broke, but Paul was complaining about the cost and weight
of the special battery used to heat the nichrome, maybe $7 to $10 per
launch. So we're thinking about ways to save some bucks.

Does the nichrome wire eventually melt?

At 12:13 PM 3/1/02 -0800, you wrote:
> > Hank, it is literally a stopwatch, the kind you buy
> > for track, etc.
>
>John,
>
>Thanks for establishing that point.
>
>Now if Paul could just comment on doing delays
>within a Stamp as a *background* task. I see that
>the PAUSE statement would allow for multi-hour
>delays, but nothing else would get done.
>
>This is fully acknowledging that Paul's stopwatch
>method ain't broke and doesn't need fixing. :)
>
>Hank
>
>_____
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>2b9500.jpg
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2071. Re: [tvnsp] timer for cutdown device

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-01 14:47:38 UTC
From: Tony Barrett
Topic: 2027 Message: 2071
Attachments: 2 described; binary payloads are missing from this source WARC

Reading the time from the GPS string! Interesting idea Zack.

At 03:19 PM 3/1/02 -0800, you wrote:
>Why don't you just watch the time and/or altitude data coming from the GPS
>to determine when to cut the balloon down. You could even go a step
>forward with that and make the condition that if the GPS data stopped
>during the launch, the cutdown would automatically fire.
>
>There would need to be a small amount of house-keep/initialization code to
>go along with it - some code to keep the cutdown from firing on the ground
>(e.g. during power-up) comes to mind.
>
>Zack
>----- Original Message -----
>From: <mailto:n1ltv@...>Hank Riley
>To: <mailto:tvnsp@yahoogroups.com>tvnsp@yahoogroups.com
>Sent: Friday, March 01, 2002 11:55 AM
>Subject: Re: [tvnsp] timer for cutdown device
>
>Paul,
>
>I don't know what the "stopwatch" is for sure. I guess
>it's something completely apart from the BASIC Stamp and
>it's some kind of consumer timer (maybe a kitchen cook timer)
>that you've hooked into the cutdown circuit as described.
>Before this message, I thought this was not a literal stopwatch,
>but just the name for a function implemented within the Stamp.
>
>What I'm trying to get at is if it is indeed cumbersome or
>impossible to do a "background" hours long delay in the
>Stamp in *Stamp-contained* software alone. It seems as if
>that conclusion is correct, and therefore the Stamp needs an
>external "helper timer" of some sort as has been discusssed.
>
>So, to summarize, I'm interested in the *generation* of the time
>delay itself, not the activation or interface circuit and method.
>If that point could be established, then I've got a suggestion
>to make regarding the implementation of an external timer that
>would be very reliable and simple.
>
>Hank
>--------------------------------
>
> > I have the stopwatch "ring" a transistor in place of its speaker.

> > That allows current to flow through the relay, turning on power to
> > the nichrome coil. As long as the stopwatch rings (one minute), it
> > operates the thermal knife.
>
> > Paul
>
>
>
>_____
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2072. Re: [tvnsp] timer for cutdown device

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-01 14:53:51 UTC
From: Tony Barrett
Topic: 2027 Message: 2072
Attachments: 2 described; binary payloads are missing from this source WARC

Great idea, as usual from you Bill!

At 03:42 PM 3/1/02 -0700, you wrote:
>At 02:49 PM 3/1/02 -0700, you wrote:
> > > This is fully acknowledging that Paul's stopwatch
> > > method ain't broke and doesn't need fixing. :)
> >Since the BS-2p and it's brethern are not multitaskers, you can't
> >run a timer in background.
>
>Personally, I think it's important to have a timer and cutdown device that
>is outside of the control of the microprocessor. (other than perhaps to
>hold off the cutdown action by sending a series of "I'm alive" pulses)
>
>That way you have a method that should cut it down even if the
>microprocessor fails.
>
>Bill
>
>
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>341613.jpg
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2073. Re: [tvnsp] timer for cutdown device

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-02 19:34:19 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2027 Message: 2073

> But if the board fails won't that be the single point
> of failure and not be a redundate device?

The only way for the entire board to fail is for it to break in half.

Paul

2074. Re: [tvnsp] Helium

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-02 19:35:35 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 382 Message: 2074

In Idaho it's $57 a tank. At K-state it was $25 a tank. At GPSL
2002 it will be $45 a tank.

Paul

> How much are you paying for 240cu' of He?
> ----- Original Message -----
> From: Mike Garske
> To: tvnsp@yahoogroups.com
> Sent: Friday, March 01, 2002 2:43 PM
> Subject: [tvnsp] Helium
>
>
> Paul, I am the keeper and dispenser of the noble gases, I can pick the tanks
> up from Sheehan's when we need them....
>
> We don't have any tanks outstanding.
>
> Mike KC7DPD
>
> ----- Original Message -----
> From: <verhap@...>
> To: <tvnsp@yahoogroups.com>
> Sent: Friday, March 01, 2002 3:31 PM
> Subject: [tvnsp] Balloon
>
>
> > We need to order a balloon for the March flight. How do we get the
> > money, or get the bill to VOI?
> >
> > For $50 we can get a 1200 gram balloon, which will make
> > somewhere around 85,000 feet. For $65 we can get the new 1500
> > gram balloons, which will get us somewhere near 90 to 95,000 feet.
> >
> > Which one?
> >
> > My Prizm can't carry helium tanks. Can someone stop by
> > Shenans and get two tanks? Do we still have a tank lying around?
> > We also need to put money in our helium account. When the
> > welding shop asks, tell them you're with Treasure Valley Near
> > Space and that we have an account with them.
> >
> > Paul
> >
> >

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2075. Re: [tvnsp] timer for cutdown device

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-02 20:04:36 UTC
From: Stephanie Steele
Topic: 2027 Message: 2075
Attachments: 2 described; binary payloads are missing from this source WARC

Ouch! I hope you are knocking on wood after making that bold statement ! ;-)

verhap@... wrote:
> But if the board fails won't that be the single point
> of failure and not be a redundate device?
The only way for the entire board to fail is for it to break in half.
Paul

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--
Stephanie
****
"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."
Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.
"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."
President Thomas Jefferson.
1743-1826
****
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2076. Re: [tvnsp] Helium

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-02 22:14:33 UTC
From: Zack Clobes
Topic: 382 Message: 2076

Wow, we're paying about $75 here.
Zack
----- Original Message -----
From: verhap@...
To: tvnsp@yahoogroups.com
Sent: Saturday, March 02, 2002 11:35 AM
Subject: Re: [tvnsp] Helium

In Idaho it's $57 a tank. At K-state it was $25 a tank. At GPSL
2002 it will be $45 a tank.

Paul

> How much are you paying for 240cu' of He?
> ----- Original Message -----
> From: Mike Garske
> To: tvnsp@yahoogroups.com
> Sent: Friday, March 01, 2002 2:43 PM
> Subject: [tvnsp] Helium
>
>
> Paul, I am the keeper and dispenser of the noble gases, I can pick the tanks
> up from Sheehan's when we need them....
>
> We don't have any tanks outstanding.
>
> Mike KC7DPD
>
> ----- Original Message -----
> From: <verhap@...>
> To: <tvnsp@yahoogroups.com>
> Sent: Friday, March 01, 2002 3:31 PM
> Subject: [tvnsp] Balloon
>
>
> > We need to order a balloon for the March flight. How do we get the
> > money, or get the bill to VOI?
> >
> > For $50 we can get a 1200 gram balloon, which will make
> > somewhere around 85,000 feet. For $65 we can get the new 1500
> > gram balloons, which will get us somewhere near 90 to 95,000 feet.
> >
> > Which one?
> >
> > My Prizm can't carry helium tanks. Can someone stop by
> > Shenans and get two tanks? Do we still have a tank lying around?

> > We also need to put money in our helium account. When the
> > welding shop asks, tell them you're with Treasure Valley Near
> > Space and that we have an account with them.
> >
> > Paul
> >
> >
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2077. RE: [tvnsp] timer for cutdown device

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-03 05:00:28 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 2027 Message: 2077

In the BS2, you can perform timer functions and do other tasks...
even without interrupts...

for example (pseudo code)

```
loop:
if myTimerVariable > MaxTimeThenCutdown then CutDownSubRoutien
do anything else you want to do ...
myTimerVariable ++;
goto loop
```

the bad thing about this method is... the execution time of "anything else
you want to do"
will vary.... It would be quite tedious to build a state machine that will
go through all
states in the same number of cycles (with out interrupts)....
thus, the number of times you would need to loop is not simply a matter of
math, but rather,
estimation, and instruction cycle counting....
With interrupts (which the BS2 doesn't have) you could make each loop time a

definite period (say 10 milliseconds or something) and you could set the
variable based timer to cutaway at exactly 70 minutes.

Even if I chose to implement this inaccurate timer in the BS2,
I'm out of variable space already...

-----Original Message-----
From: Hank Riley [mailto:n1ltv@...]
Sent: Friday, March 01, 2002 12:07 PM
To: tvnsp@yahoogroups.com
Subject: [tvnsp] timer for cutdown device

> I'll bring mine to the next meeting. We used it on the
> last flight and it worked very well.
>
> Paul

Paul,

The whole cutdown thread has been interesting, but it seems
like you've already built and perfected this "wheel." The
thermal cord cutter has also been used by countless others
of course.

You've described the knife and its enclosure already, but
I think a few people would like to know a bit about how the

delay is accomplished, since David has given the impression
that the use of the BASIC Stamp for doing long delays might
be cumbersome (at least delays that will allow other tasks to
be attended to).

This is the only thing I've been able to find regarding the
subject of timer implementation in previous messages:

PV> The flight computer and stopwatch will be two
PV> other mechanisms.

If you can, please give just a few details if it's done in the
Stamp.

Hank

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2078. RE: [tvnsp] timer for cutdown device

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-03 05:11:45 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 2027 Message: 2078

Mark,
I agree with you on this....
yet another reason not to implement the timer on the stamp...

In my case, that would leave me with:
cut down 1: stamp driven DTMF command to initiate cutdown
cut down 2: external timer based (separate power and Nichrome).

Kinda gives me warm fuzzies to have two... can you imagine if that
thing didn't come down... that would be embarrassing.

-----Original Message-----
From: Mark Conner [mailto:n9xtn@...]
Sent: Friday, March 01, 2002 1:26 PM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] timer for cutdown device

While we're sort of on the subject of dual-redundant cutdown
devices.....

Is a common battery, circuit, and nichrome coil tripped by one of two
separate methods considered a dual cutdown device? I think I would prefer
two coils, two sets of batteries, two circuits, but one on the stopwatch and
one on the pager/BS2 output/DTMF controller/etc. This would prevent a
single failure point from causing the cutdown to fail. But I haven't even
built the first one yet. :)

73 de Mark N9XTN

From: Hank Riley <mailto:n1ltv@...>
To: tvnsp@yahoogroups.com <mailto:tvnsp@yahoogroups.com>
Sent: Friday, March 01, 2002 14:13
Subject: Re: [tvnsp] timer for cutdown device

> Hank, it is literally a stopwatch, the kind you buy
> for track, etc.

John,

Thanks for establishing that point.

Now if Paul could just comment on doing delays
within a Stamp as a *background* task. I see that
the PAUSE statement would allow for multi-hour
delays, but nothing else would get done.

This is fully acknowledging that Paul's stopwatch
method ain't broke and doesn't need fixing. :)

Hank

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81:HM/A=763352/R=0/*http://www.classmates.com/index.tf?s=5085>

<http://us.adserver.yahoo.com/l?M=213858.1879370.3379539.1261774/D=egroupmai
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2079. RE: [tvnsp] Balloon

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-03 05:28:10 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 2058 Message: 2079

I'd be happy to pick up the helium, i have a truck.
Where is Shenans? This is for the March 30th flight
right? When do I need to pick it up by?

So for us newbies....
the balloons are 1200gram / 1500gram....
what is the cost associated with the helium for these?
Are they the same volume?

I'd sure like to see us do 95K feet and would be happy
to put my money where my mouth was. Seriously, what would
it cost to go to 100K or 120K? What are the prices for the
balloons? and helium?

Dave

-----Original Message-----
From: verhap@... [mailto:verhap@...]
Sent: Friday, March 01, 2002 8:31 AM
To: tvnsp@yahoogroups.com
Subject: [tvnsp] Balloon

We need to order a balloon for the March flight. How do we get the
money, or get the bill to VOI?

For $50 we can get a 1200 gram balloon, which will make
somewhere around 85,000 feet. For $65 we can get the new 1500
gram balloons, which will get us somewhere near 90 to 95,000 feet.

Which one?

My Prizm can't carry helium tanks. Can someone stop by
Shenans and get two tanks? Do we still have a tank lying around?
We also need to put money in our helium account. When the
welding shop asks, tell them you're with Treasure Valley Near
Space and that we have an account with them.

Paul

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2080. RE: [tvnsp] timer for cutdown device

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-03 05:56:33 UTC
From: Hank Riley
Topic: 2027 Message: 2080

> In the BS2, you can perform timer functions and do other tasks...
> even without interrupts...

[snip]

> the number of times you would need to loop is not simply a
> matter of math, but rather, estimation, and instruction
> cycle counting....

David,

That certainly fits the description of "cumbersome."

I'm going to program you an 8 pin timer helper IC that will
have a choice of several pins that will toggle at exact rates
of 10 seconds, 1 minute, 10 minutes, and maybe some other
values.

That way you'll be able to use one Stamp pin to connect to
this helper chip, not have to bother with fancy protocols,
and be able to do nice accurate timings and sequences.

Hank

Do You Yahoo!?
Yahoo! Sports - sign up for Fantasy Baseball
http://sports.yahoo.com

2081. Re: [tvnsp] timer for cutdown device

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-03 16:20:01 UTC
From: Doug Rich
Topic: 2027 Message: 2081

Another way to solve the timer issue and to add some needed capability
would be to use the "Pocket Watch B" from Solutions Cubed.
It has several alarms. One can wait up to 256 hours and stay on up to 256
min. The short version of this will wait up to 256 min. and stay on up to
256 seconds. Either of this would work for a balloon cut down timer,
depending on the flight time. This can be a completely stand alone system.
Supply voltage is 4.0 to 5.5VDC and current is 3.5ma typical to 6.0 ma max.
The alarm pin can sink 18.5 ma. Uses a 1 or 2 wire serial interface. It is
a 5 pin SIP package measuring 1" square (except for the pins).
It will also supply real time clock information so that you can attach
second, minutes, hours days, months and years, if needed. I know time can
be extracted from the GPS system but this takes no code to get it from the GPS.
I don't remember what the cost is but I have had great results using it in
some of my projects. I just looked up the web page and it has the price on it:
http://www.solutions-cubed.com/Products/PocketWatchB/pocketwatchB_main.htm

Doug KD6GCL

2082. Braided nylon for load line

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-04 03:51:38 UTC
From: Mark Conner
Topic: 2082 Message: 2082

Is anyone using braided nylon line for load lines on their balloons? During the last flight I noticed once again a tendency for the payload to rotate in a favored direction - I think it may be due to the slow untwisting of the load line. I've been using twisted nylon line for a while now and finally found some smaller braided nylon line.

The stuff I got today is either 1/16" or 3/32" and is on 1/4-pound spools - not sure how long it is, but probably a couple hundred feet anyhow. It comes in flourescent orange and green. It is also stretchier than the twisted nylon, which may be of help for shock absorption, and it holds knots really well (certainly better than the twisted line).

Canfield's (a local sporting-goods store) had a lot of it on clearance for $2.50 a spool and they probably have several dozen spools left, mostly of the green. If anybody wants some I'd be glad to get more and send it at cost plus postage.

I've also updated my web page with map and photo from the last flight - see http://members.cox.net/mconner1/nstar.html for more.

73 de Mark N9XTN

Mark D. Conner
E-mail: n9xtn@...
Homepage: http://members.cox.net/mconner1
"Arrogance and stupidity, all in the same package.....how efficient of you!" - Ambassador Londo Mollari, Babylon 5

2083. High altitude flight,was Balloon

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-04 14:28:08 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2058 Message: 2083

> So for us newbies....
> the balloons are 1200gram / 1500gram....
> what is the cost associated with the helium for these?
> Are they the same volume?

The 1200 grammers are $50 while the 1500 grammers are $65.
We'd use about the same amount of helium, a tank and a half.

> I'd sure like to see us do 95K feet and would be happy
> to put my money where my mouth was. Seriously, what would
> it cost to go to 100K or 120K? What are the prices for the
> balloons? and helium?

I've planned for the May flight for us to try to break the altitude record. A 3000 grammer would cost $200 while a 6000 grammer would cost $600. I'm working on the half scale airframe for the May flight. We need to break 120,000 feet to make the record Idaho's. We should probably atart looking for sponsors now.

I say we go for the 6000 grammer and try for 130,000 feet. That would give us two flights to practice with.

The capsule will carry an environmental sounder, gieger counter, and APS camera. There will be a second tracker in the recovery system and a thermal knife on the parachute with timer.

I'll bring the stuff to the next meeting.

Paul

2084. Business Meetings

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-05 17:09:18 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2084 Message: 2084

There should be a business meeting for VOI and BAS. I'll attend the BAS one. Mike, can you attend the VOI one?

After work I plan to stop by the Warhawk museum. they were closed yesterday. I'll ask them about setting up a display at the museum.

Paul

2085. Bumper Sticker Idea

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-06 14:30:01 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2085 Message: 2085

It was mentioned that a generic near space bumper sticker would be better. How about one that says, "Amateur Near Space", then shows a balloon, and ends with, "Got Helium?".

Inputs?

Paul

2086. May Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-06 19:54:45 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2086 Message: 2086

The May launch will be a high altitude attempt. We need to start lining up funding. Please pass the word around. We'll put the names of organizations donating on the outside of the capsule. I plan to carry patches up on the flight, to give to donors (they'll be framed with a picture).

Please start asking around.

Paul

2087. Re: Bumper Sticker Idea

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-06 20:49:02 UTC
From: Hank Riley
Topic: 2085 Message: 2087

> It was mentioned that a generic near space bumper
> sticker would be better. How about one that says,
> "Amateur Near Space", then shows a balloon, and ends
> with, "Got Helium?".

>Paul

You mentioned this quite a while ago. I can't get
too enthusiastic about the "Got Helium" part.

Several very good alternatives were submitted to one
or both of these lists with respect to buying expensive
vinyl bumper stickers. I'd like to see some followup
reaction to those suggestions.

Hank

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2088. Re: [tvnsp] Re: Bumper Sticker Idea

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-06 21:04:33 UTC
From: Hank Riley
Topic: 2085 Message: 2088

Here are last month's suggestions from the TVNSP list
(Tony's is shortened a bit):

Hey Paul,

Did you know there is bumper sticker paper designed specifically
to be fed through a laser printer? The Women's Challenge makes
bumper stickers out of this material all the time. They just buy
the blank vinyl stock on a carrier sheet in various colors (white,
yellow, orange) and print what they need on demand. That way they
only have to stock the blank media and they never have to worry
about getting stuck with stickers that don't sell.

I work testing commercial color printing presses everyday.
Maybe we could print the bumper stickers while testing other
things.

Tony

Paul, Tony.....

International Paper also makes vinyl bumper sticker stock under
the "invent it!" logo that is for use specifically with inkjet
printers (in fact, it says 'do not use with laser printers or
copy machines' right on the back of the package) and can be
found at Walmart. I have had good experience with the durability
and the print seems to last a good long while. I don't remember
the cost, however, but just thought I'd throw out another option.

Tim

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2089. Re: [tvnsp] Re: Bumper Sticker Idea

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-06 21:33:20 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2085 Message: 2089

> Several very good alternatives were submitted to one
> or both of these lists with respect to buying expensive
> vinyl bumper stickers. I'd like to see some followup
> reaction to those suggestions.

I can get bumper stickers, I just need to give them the logo.

Paul

2090. Re: Bumper Sticker Idea

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-06 22:16:35 UTC
From: Hank Riley
Topic: 2085 Message: 2090

> > Several very good alternatives were submitted to one
> > or both of these lists with respect to buying expensive
> > vinyl bumper stickers. I'd like to see some followup
> > reaction to those suggestions.
>
> I can get bumper stickers, I just need to give them the logo.
>
> Paul

I understand perfectly you can get stickers, but the prices
and quantities you mentioned (hundreds of dollars) a ways
back seemed to be a little much.

I'm just pointing out that there seem to be realistic
alternatives that would allow *several* logos to be
implemented, perhaps on a trial basis, and I think that these
alternatives deserve to be recognized and possibly explored
further.

Hank

_____
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2091. Re: [tvnsp] Re: Bumper Sticker Idea

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-06 22:17:27 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2085 Message: 2091

> I understand perfectly you can get stickers, but the prices
> and quantities you mentioned (hundreds of dollars) a ways
> back seemed to be a little much.

As I recall, it was $300, but I don't remember for how many. The astronomy club is getting bumper stickers for less than a dollar a piece. They were told the stickers were good for five years also. I'm going to find out how they did this.

> I'm just pointing out that there seem to be realistic
> alternatives that would allow *several* logos to be
> implemented, perhaps on a trial basis, and I think that these
> alternatives deserve to be recognized and possibly explored
> further.

I think that's where the laser printer would be a good idea. They say the laser copy is just as good as a printed copy, but I', skeptical.

Paul

2092. Re: Bumper Sticker Idea

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-06 22:37:41 UTC
From: Hank Riley
Topic: 2085 Message: 2092

HR> I understand perfectly you can get stickers, but the prices
HR> and quantities you mentioned (hundreds of dollars) a ways
HR> back seemed to be a little much.
>
PV> As I recall, it was $300, but I don't remember for how many. The
PV> astronomy club is getting bumper stickers for less than a dollar a
PV> piece. They were told the stickers were good for five years also.

PV> I'm going to find out how they did this.
>
HR> I'm just pointing out that there seem to be realistic
HR> alternatives that would allow *several* logos to be
HR> implemented, perhaps on a trial basis, and I think that these
HR> alternatives deserve to be recognized and possibly explored
HR> further.
>
PV> I think that's where the laser printer would be a good idea.
PV> They say the laser copy is just as good as a printed copy,
PV> but I'm skeptical.

from Paul's Feb. 8 post to TVNSP list. That's a BOATLOAD of
stickers for a pretty limited target population:

We can order 500 of them, in two colors (three if you count
the color of the vinyl) for $375. That comes out to 75 cents
per decal. They are 3.5 inches in diameter and durable.

_____
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2093. Bumper stickers

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-07 00:03:07 UTC
From: Mark Conner
Topic: 2093 Message: 2093

I got an Epson C80 color inkjet printer for $100 after rebates from Circuit City over the weekend. At the high-quality setting with glossy paper, the quality is equal or better than the HP 4500 Color Laser Jet I use at work, especially for photographs. I think the color laser is better for graphics and all-around use, but at $100 for home use the C80 is tough to beat.

The C80 supposedly uses a special ink that is touted to be more fade and water-resistant than "regular" inks. I can't really vouch for that yet after only 3 days' use. I still have trouble considering that anything coming out of an inkjet printer would do well on the back of a car and exposed to the elements, but I don't have any practical experience either.

Anyway, now that I have the printer I'm seriously thinking about creating my own NSTAR bumper stickers. If I ever get off my a** and do it, I'll send TVNSP one to look at. I think Office Depot has a package of 14 bumper stickers for $10 or so.

My NSTAR to-do list is getting longer than my work to-do list......

73 de Mark N9XTN

2094. Re: [tvnsp] Bumper stickers

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-07 01:16:43 UTC
From: Tony Barrett
Topic: 2093 Message: 2094
Attachments: 2 described; binary payloads are missing from this source WARC

There are a couple of options to improve the durability. You can cover the completed bumper sticker by spraying on a coat or two of clear lacquer. You can also overcoat the stickers with wide transparent vinyl tape, or run the stickers through a laminator.

The laser printed stickers are extremely durable, no post-processing needed.

At 06:03 PM 3/6/02 -0600, you wrote:
>I got an Epson C80 color inkjet printer for $100 after rebates from
>Circuit City over the weekend. At the high-quality setting with glossy
>paper, the quality is equal or better than the HP 4500 Color Laser Jet
>I use at work, especially for photographs. I think the color laser is
>better for graphics and all-around use, but at $100 for home use the
>C80 is tough to beat.
>
>The C80 supposedly uses a special ink that is touted to be more fade
>and water-resistant than "regular" inks. I can't really vouch for that
>yet after only 3 days' use. I still have trouble considering that
>anything coming out of an inkjet printer would do well on the back of a
>car and exposed to the elements, but I don't have any practical
>experience either.
>
>Anyway, now that I have the printer I'm seriously thinking about
>creating my own NSTAR bumper stickers. If I ever get off my a** and do
>it, I'll send TVNSP one to look at. I think Office Depot has a package
>of 14 bumper stickers for $10 or so.
>
>My NSTAR to-do list is getting longer than my work to-do list......
>
>73 de Mark N9XTN
>
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2095. [Fwd: [aprsplus] Re: [aprssig] Findu.com Server Project !!]

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-07 00:30:59 UTC
From: Randy Farley
Topic: 2095 Message: 2095
Attachments: 1 described; binary payloads are missing from this source WARC

This was posted on the national APRS sig.
A double good deal. A break on the APRS+SA registration fee.
Plus,the money is going to a very good cause.
--
Regards,

Randy Farley
N7GPS -Ham Call-
Find Me at: http://map.findu.com/n7gps*

2096. Re: [tvnsp] Bumper Sticker Idea

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-07 00:38:35 UTC
From: Randy Farley
Topic: 2085 Message: 2096

verhap@... wrote:

I guess i'm not a bumper sticker type of guy.
The patches and handouts are plenty in my opinion.
I would rather save my money for balloon hardware.
Unless they are real cheap,i would not bother.
Just my opinion.

>
> It was mentioned that a generic near space bumper sticker would
> be better. How about one that says, "Amateur Near Space", then
> shows a balloon, and ends with, "Got Helium?".
>
> Inputs?
>
> Paul
>
>
--
Regards,

Randy Farley
N7GPS -Ham Call-
Find Me at: http://map.findu.com/n7gps*

2097. Sunday agenda?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-07 00:42:13 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 2097 Message: 2097

I seem to have missed it, but wasn't there some mention about APRS and Sunday's agenda?

Bill B.

2098. Warhawk Museum

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-06 19:51:47 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2098 Message: 2098

The Warhawk Museum is very interested in having TVNSP visit.
They'll allow us to set up a display and to give a presentation.
They have presentations and workshops on the first Saturday's of
the month. April's workshop is about balloons, so we may be
asked to presnt for that one.

When we do launches, they would be interested in having us set
upa tracking station and mission control. They'd even like us to
launch from the airport, outside the museum.

I'll visit with them again on Thursday and start ironing out details.

It looks like we'll have a supporter (although, it may not include
funds)

Paul

2099. Re: [tvnsp] Bumper Sticker Idea

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-07 06:25:41 UTC
From: Tony Barrett
Topic: 2085 Message: 2099
Attachments: 2 described; binary payloads are missing from this source WARC

I think the idea is to sell the bumper stickers as a fund raiser to pay for
balloon hardware.

At 05:38 PM 3/6/02 -0700, you wrote:
>verhap@... wrote:
>
>I guess i'm not a bumper sticker type of guy.
>The patches and handouts are plenty in my opinion.
>I would rather save my money for balloon hardware.
>Unless they are real cheap,i would not bother.
>Just my opinion.
>
> >
> > It was mentioned that a generic near space bumper sticker would
> > be better. How about one that says, "Amateur Near Space", then
> > shows a balloon, and ends with, "Got Helium?".
> >
> > Inputs?
> >
> > Paul
> >
> >
>--
>Regards,
>
>Randy Farley
>N7GPS -Ham Call-
>Find Me at: <http://map.findu.com/n7gps*>http://map.findu.com/n7gps*
>
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><http://rd.yahoo.com/M=215002.1818248.3328688.1261774/D=egroupweb/S=1705083281:HM/A=84766
5/R=0/*http://ads.x10.com/?bHlhaG9vbW9uc3RlcjcuZGF0=1015461532%3eM=215002.1818248.3328688.
1261774/D=egroupweb/S=1705083281:HM/A=847665/R=1>2427c4.jpg
>243f1d.jpg
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2100. Re: [tvnsp] Sunday agenda?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-07 14:27:11 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2097 Message: 2100

Thanks goodness, at first I thought you were going to ask us to set
an agenda.
;)

Bring your APRS stuff to Sunday's meeting. I'll power up the
CC/PS and backup tracker.

Paul

> I seem to have missed it, but wasn't there some mention about APRS and
> Sunday's agenda?
>
> Bill B.
>
>
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2101. Re: [tvnsp] Bumper stickers

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-07 14:28:15 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2093 Message: 2101

I'll bring a graphic that we can test to the next meeting.

Paul

> There are a couple of options to improve the durability. You can cover the
> completed bumper sticker by spraying on a coat or two of clear
> lacquer. You can also overcoat the stickers with wide transparent vinyl
> tape, or run the stickers through a laminator.
>
> The laser printed stickers are extremely durable, no post-processing needed.
>
> At 06:03 PM 3/6/02 -0600, you wrote:
> >I got an Epson C80 color inkjet printer for $100 after rebates from
> >Circuit City over the weekend. At the high-quality setting with glossy
> >paper, the quality is equal or better than the HP 4500 Color Laser Jet
> >I use at work, especially for photographs. I think the color laser is
> >better for graphics and all-around use, but at $100 for home use the
> >C80 is tough to beat.
> >
> >The C80 supposedly uses a special ink that is touted to be more fade
> >and water-resistant than "regular" inks. I can't really vouch for that
> >yet after only 3 days' use. I still have trouble considering that
> >anything coming out of an inkjet printer would do well on the back of a
> >car and exposed to the elements, but I don't have any practical
> >experience either.
> >
> >Anyway, now that I have the printer I'm seriously thinking about
> >creating my own NSTAR bumper stickers. If I ever get off my a** and do
> >it, I'll send TVNSP one to look at. I think Office Depot has a package
> >of 14 bumper stickers for $10 or so.
> >
> >My NSTAR to-do list is getting longer than my work to-do list......
> >
> >73 de Mark N9XTN
> >
> >
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> ><http://rd.yahoo.com/M=215002.1818248.3328688.1261774/D=egroupweb/S=1705083281:HM/A=847665/R=0/*http://ads.x10.com/?bHlhaG9vbW9uc3RlcjcuZGF0=1015459399%3eM=215002.1818248.3328688.1261774/D=egroupweb/S=1705083281:HM/A=847665/R=1>41c445a.jpg
> >41c474d.jpg
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>

2102. RE: [tvnsp] Re: Bumper Sticker Idea

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-07 17:05:42 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 2085 Message: 2102

With the utmost respect for Hank :)
I think "Got Helium" is pretty darn funny.

-----Original Message-----
From: Hank Riley [mailto:n1ltv@...]
Sent: Wednesday, March 06, 2002 1:49 PM
To: tvnsp@yahoogroups.com; knsp@yahoogroups.com
Subject: [tvnsp] Re: Bumper Sticker Idea

> It was mentioned that a generic near space bumper
> sticker would be better. How about one that says,
> "Amateur Near Space", then shows a balloon, and ends
> with, "Got Helium?".

>Paul

You mentioned this quite a while ago. I can't get
too enthusiastic about the "Got Helium" part.

Several very good alternatives were submitted to one
or both of these lists with respect to buying expensive
vinyl bumper stickers. I'd like to see some followup
reaction to those suggestions.

Hank

_____
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2103. Re: May Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-08 01:38:20 UTC
From: kd7pit
Topic: 2086 Message: 2103

I was just wondering what size of a balloon you plan on using and how much does it cost? How much do you need to raise for lift off?

Justin Formolo

--- In tvnsp@y..., verhap@o... wrote:
> The May launch will be a high altitude attempt. We need to start
> lining up funding. Please pass the word around. We'll put the
> names of organizations donating on the outside of the capsule. I
> plan to carry patches up on the flight, to give to donors (they'll be
> framed with a picture).
>
> Please start asking around.
>
> Paul

2104. Good replacement ant. for D7?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-08 01:44:27 UTC
From: kd7pit
Topic: 2104 Message: 2104

Hey everyone,
I was wanting to get some feedback on what would be a really good replacement antenna for a TH-D7AG? I'm looking at a Diamond RH77CA, but you out there know more about who makes a good antenna, and what works, more than I. Any information would be appriciated! Also, should I get an antenna with SMA threads or use a SMA to BNC connector and use a BNC antenna? Thanks

Justin Formolo

2105. Re: Bumper Sticker Idea

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-08 01:55:39 UTC
From: kd7pit
Topic: 2085 Message: 2105

Hey Paul, I love the idea of a bumper sticker. Seems like every other type of organization has their own (i.e. geocaching.com & others) Sounds like many are undecided about the design and/or text. Maybe everyone can submit an idea or design and we could take a vote or just come up with something everyone likes. I like the "got Helium" idea. I was talking with my girlfriend and she came up with "got gas?" and "got He?" for some ideas. Anyways, you have my vote for a bumper sticker

-Justin Formolo

--- In tvnsp@y..., <verhap@o...> wrote:
> It was mentioned that a generic near space bumper sticker would
> be better. How about one that says, "Amateur Near Space", then
> shows a balloon, and ends with, "Got Helium?".
>
> Inputs?
>
> Paul

2106. Project: Traveler 2002a launch this Saturday

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-08 04:31:18 UTC
From: Zack Clobes
Topic: 2106 Message: 2106

At this point Project: Traveler is still planning on flying Saturday morning (9 Mar). We are planning on launching by 8:00am, but may delay that an hour or so depending on surface level winds.

We will be transmitting GPGGA, GPGGA, and a telemetry string about every 70 seconds (GGA strings are twice as often) using the callsign W0WR on 144.390MHz. Assuming Findu.com is up, Internet tracking should available at http://www.findu.com/cgi-bin/find.cgi?W0WR. ATV video will also be on periodically on 434MHz (See the flight schedule from the link below).

Full flight details are available at http://www.rckara.org/project_traveler/2002a/.
Thanks,
Zack Clobes, W0ZC
Project: Traveler

2107. Re: Bumper Sticker Idea

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-08 01:41:57 UTC
From: kd7pit
Topic: 2085 Message: 2107

Hey Paul, I love the idea of a bumper sticker. Seems like every other type of organization has their own (i.e. geocaching.com & others) Sounds like many are undecided about the design and/or text. Maybe everyone can submit an idea or design and we could take a vote or just come up with something everyone likes. I like the "got Helium" idea. I was talking with my girlfriend and she came up with "got gas?" and "got He?" for some ideas. Her brother came up with "get high?" but I found many problems with that one (he's a big Bob Marley fan so I wasn't too surprise with his idea) Anyways, you have my vote for a bumper sticker.

-Justin Formolo

--- In tvnsp@y..., <verhap@o...> wrote:
> It was mentioned that a generic near space bumper sticker would
> be better. How about one that says, "Amateur Near Space", then
> shows a balloon, and ends with, "Got Helium?".
>
> Inputs?
>
> Paul

2108. Re: [tvnsp] Re: May Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-08 13:51:21 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2086 Message: 2108

Hey, you got your new call sign!
Congrats!

We'll at least try for a 3000 gram balloon and that will cost $200. If
we can scrap up $600, we'll try for a 6000 gram balloon. I'm going
to call Kaymont and verify the costs.

Paul

> I was just wondering what size of a balloon you plan on using and how
> much does it cost? How much do you need to raise for lift off?
>
> Justin Formolo
>
>
> --- In tvnsp@y..., verhap@o... wrote:
> > The May launch will be a high altitude attempt. We need to start
> > lining up funding. Please pass the word around. We'll put the
> > names of organizations donating on the outside of the capsule. I
> > plan to carry patches up on the flight, to give to donors (they'll
> be
> > framed with a picture).
> >
> > Please start asking around.
> >
> > Paul
>
>
>
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2109. Warhawk Museum

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-08 14:00:55 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2098 Message: 2109

Don't forget the meeting this Sunday. Brings APRS to test.

We have a date to set up at the Warhawk Museum. The first
Saturday's of the month, they have an educational program. They'd
like us to set up on April 6th, along with a hot air balloon group.
Om Memorial Day, they have a breakfsat. They'd like us to launch
a balloon that day and set up a tracking station at the museum.
Can we move the high altitude attempt to Sunday?

Ball caps.
I want to sew a patch on a ball cap. Do we want to standardize on
a color? That way, when we show up some place with TVNSP
ballcaps, they will match?

Paul

2110. Star Party

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-08 15:10:31 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1876 Message: 2110

There is a star party this Saturday, at Black's Crrek (exit 64 on I-84). It's opened to the public. Please stop by for a visit after dark (if it's clear).

Paul

2111. RE: [tvnsp] Star Party

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-08 16:43:24 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 1876 Message: 2111

What time? I'm actually in town this weekend. I'd
like to check this out... sounds fun.

-----Original Message-----
From: verhap@... [mailto:verhap@...]
Sent: Friday, March 08, 2002 1:11 AM
To: tvnsp@yahoogroups.com
Subject: [tvnsp] Star Party

There is a star party this Saturday, at Black's Crrek (exit 64 on I-
84). It's opened to the public. Please stop by for a visit after dark
(if it's clear).

Paul

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3eM=215002.1818248.3328688.1261774/D=egroupweb/S=1705083281:HM/A=847665/R=1>

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l/S=1705083281:HM/A=847665/rand=703830838>

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2112. RE: [tvnsp] Star Party

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-08 16:59:33 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1876 Message: 2112

The sun sets around 6:30 now, but it doesn't get dark for another hour. So you'll want to get there sometime after 7:30. There'll probably be people there until midnight.

To get to the site, take the Black's Creek exit and go north, back under the interstate. There's some curves, be careful not to get back on the interstate. As you get close to the site (about 1.5 miles from I-84), look for the Boise Astronomical Club sign on the right side of the road. There's a open gravel lot that we set telescopes up on.

One word of warning. When you pull in, turn your lights off (go to parking lights). Astronomers really hate it when you shine headlights into their eyes.

Paul

> What time? I'm actually in town this weekend. I'd
> like to check this out... sounds fun.

> There is a star party this Saturday, at Black's Crrek (exit 64 on I-
> 84). It's opened to the public. Please stop by for a visit after dark
> (if it's clear).

2113. Conferences and Comet

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-08 17:17:53 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2113 Message: 2113

During my Albuquerque trip, I'll be presenting to the Albuquerque ARC. After I get back there's conferences in Salt Lake for amateur astronomers (end of July) and in Denver for digital radio (mid September).

Is anyone interested in going with me to present?

Don't forget, there's GPSL 2002 in Kansas. If anyone can make that one, please let me know.

Come out to the star party and see the new comet.

Paul
getting busier and busier.

2114. RE: [tvnsp] Conferences and Comet

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-08 17:40:42 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 2113 Message: 2114

I've got friends in Denver... I wouldn't mind going for a
mini vacation... what are the dates in September?

I've got friends in Las Vegas I really need to see, if
you ever need help there....

-----Original Message-----
From: verhap@... [mailto:verhap@...]
Sent: Friday, March 08, 2002 3:18 AM
To: tvnsp@yahoogroups.com
Subject: [tvnsp] Conferences and Comet

During my Albuquerque trip, I'll be presenting to the Albuquerque
ARC. After I get back there's conferences in Salt Lake for amateur
astronomers (end of July) and in Denver for digital radio (mid
September).

Is anyone interested in going with me to present?

Don't forget, there's GPSL 2002 in Kansas. If anyone can make
that one, please let me know.

Come out to the star party and see the new comet.

Paul
getting busier and busier.

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2115. DCC Conference

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-08 19:04:49 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2113 Message: 2115

> I've got friends in Denver... I wouldn't mind going for a
> mini vacation... what are the dates in September?

It's Sept 13-15. Here's the website.

http://www.tapr.org/tapr/dcc/

Paul

2116. Re: May Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-08 20:04:05 UTC
From: n1ltv
Topic: 2086 Message: 2116

> We'll at least try for a 3000 gram balloon and that will
> cost $200. If we can scrap up $600, we'll try for a
> 6000 gram balloon. I'm going to call Kaymont and verify
> the costs.

Paul, sometime if possible please ask Kaymont what the 6000g
burst diameter specification is.

Hank

2117. RE: [tvnsp] DCC Conference

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-08 21:35:37 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 2113 Message: 2117

What does it cost? I didn't see it listed on the page...
is it free? Conferences are suppose to cost 1000 dollars a day,
maybe someone should tell TAPR...

-----Original Message-----
From: verhap@... [mailto:verhap@...]
Sent: Friday, March 08, 2002 5:05 AM
To: tvnsp@yahoogroups.com
Subject: [tvnsp] DCC Conference

> I've got friends in Denver... I wouldn't mind going for a
> mini vacation... what are the dates in September?

It's Sept 13-15. Here's the website.

http://www.tapr.org/tapr/dcc/ <http://www.tapr.org/tapr/dcc/>

Paul

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2118. Re: [tvnsp] Re: Bumper Sticker Idea

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-09 00:11:48 UTC
From: Randy Farley
Topic: 2085 Message: 2118

I like the "Got Gas" one. Bout fell out of my chair laughing.
Just hope the American Dairy Council doesn't take offense to
us playing on their slogan. I may become a bumper sticker guy now.

kd7pit wrote:
>
> Hey Paul, I love the idea of a bumper sticker. Seems like every
> other type of organization has their own (i.e. geocaching.com &
> others) Sounds like many are undecided about the design and/or
> text. Maybe everyone can submit an idea or design and we could take
> a vote or just come up with something everyone likes. I like
> the "got Helium" idea. I was talking with my girlfriend and she came
> up with "got gas?" and "got He?" for some ideas. Anyways, you have
> my vote for a bumper sticker
>
> -Justin Formolo
>
> --- In tvnsp@y..., <verhap@o...> wrote:
> > It was mentioned that a generic near space bumper sticker would
> > be better. How about one that says, "Amateur Near Space", then
> > shows a balloon, and ends with, "Got Helium?".
> >
> > Inputs?
> >
> > Paul
>
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--
Regards,

Randy Farley
N7GPS -Ham Call-
Find Me at: http://map.findu.com/n7gps*

2119. Re: [tvnsp] Good replacement ant. for D7?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-09 00:05:35 UTC
From: Randy Farley
Topic: 2104 Message: 2119

Hi Justin

I guess you noticed the stock rubber duckie for the KW HT cant hear :)
I would pick one that has an SMA connector. You will defeat your
purpose
of improved performance if you add an adapter between the radio and
new rubber duckie antenna. Also the extra adapter will put more strain
on the threaded connector on the radio.

I use Comet's SMA-24 17.5" rubber duckie. It has a very flexible
whip and a nice looking gold sma male threaded base. BIG improvement
in reception over the old one. I almost sent the radio back until
i changed antennas.

If you like Diamond, i would go with the SRH-519 8 incher because of
the
sma base. Have not used it,so it is my only choice out of the
Diamond line up for HT duckies. You might prefer the shorter lenth
over
the Comet's rather long whip.

You may want to buy a sma to bnc adapter anyway for other
mobile antennas later. I have a cute little mag mount antenna i
carry behind my pickup seat in case i need another antenna. It has a
very flexible coax (RG-172 i think)terminated in a male bnc end.
Would have preferred a sma end. However the small diameter coax puts
very little stress on the adapter. It has a cute little "hershey candy
kiss" size magnet. I laughed when i got it,but i dare anyone to try
and drive fast enought to blow it off the roof. I have loaned it to
more people than i have actually used it myself. Cant remember the
name of it right now.

Hope this helps. If you could show up at Sundays workshop, i could
bring the mentioned items and let you evaluate them. Nothing like
hands-on shopping before actually forking out the payola ;)

kd7pit wrote:
>
> Hey everyone,
> I was wanting to get some feedback on what would be a really good
> replacement antenna for a TH-D7AG? I'm looking at a Diamond RH77CA,
> but you out there know more about who makes a good antenna, and what
> works, more than I. Any information would be appriciated! Also,
> should I get an antenna with SMA threads or use a SMA to BNC
> connector and use a BNC antenna? Thanks
>

> Justin Formolo

--
Regards,

Randy Farley
N7GPS -Ham Call-
Find Me at: http://map.findu.com/n7gps*

2120. Re: [tvnsp] Warhawk Museum

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-09 01:24:39 UTC
From: Randy Farley
Topic: 2098 Message: 2120

verhap@... wrote:

> Ball caps.
> I want to sew a patch on a ball cap. Do we want to standardize on
> a color? That way, when we show up some place with TVNSP
> ballcaps, they will match?

> Paul

Standard color is good in my opinion. All great organizations
have a standard color scheme don't they? It give you that really
great geeky look :) Color mine Tan if we are voting.

Regards,

Randy Farley
N7GPS -Ham Call-
Find Me at: http://map.findu.com/n7gps*

2121. Re: [tvnsp] Warhawk Museum

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-09 02:22:05 UTC
From: Tim Rynearson
Topic: 2098 Message: 2121
Attachments: 2 described; binary payloads are missing from this source WARC

I would think sky-blue would be a good color of choice.

Tim ... N7UBO

-------Original Message-------

From:tvnsp@yahoogroups.com
Date: Friday, March 08, 2002 06:24:51 PM
To:tvnsp@yahoogroups.com
Subject: Re: [tvnsp] Warhawk Museum

verhap@... wrote:

> Ball caps.
> I want to sew a patch on a ball cap. Do we want to standardize on
> a color? That way, when we show up some place with TVNSP
> ballcaps, they will match?

> Paul

Standard color is good in my opinion. All great organizations
have a standard color scheme don't they? It give you that really
great geeky look :) Color mine Tan if we are voting.

Regards,

Randy Farley
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.

2122. Re: Good replacement ant. for D7?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-09 06:17:21 UTC
From: kd7pit
Topic: 2104 Message: 2122

Hey Randy,
Thanks for the info. I'm going to try and make it to the meeting this Sunday but not making any promises. I have three, rather large, mid-term tests this Monday and I have been studying since Wednesday. I will probably need a break sometime Sunday or I'm going to explode. I'm ordering a D7 from AES in Las Vegas this Monday (hoping it will get here before the balloon launch) and was going to order a replacement antenna along with it. It seems like most HT antennas (good ones with high gain) are terminated for BNC, and only a few SMA ones. I was able to get a new Garmin GPS now I need the other half (the radio) for APRS. Thanks for the help.

Justin Formolo

--- In tvnsp@y..., Randy Farley <rdfarley@f...> wrote:
> Hi Justin
>
> I guess you noticed the stock rubber duckie for the KW HT cant hear :)
> I would pick one that has an SMA connector. You will defeat your
> purpose
> of improved performance if you add an adapter between the radio and
> new rubber duckie antenna. Also the extra adapter will put more strain
> on the threaded connector on the radio.
>
> I use Comet's SMA-24 17.5" rubber duckie. It has a very flexible
> whip and a nice looking gold sma male threaded base. BIG improvement
> in reception over the old one. I almost sent the radio back until
> i changed antennas.
>
> If you like Diamond, i would go with the SRH-519 8 incher because of
> the
> sma base. Have not used it,so it is my only choice out of the
> Diamond line up for HT duckies. You might prefer the shorter lenth
> over
> the Comet's rather long whip.
>
> You may want to buy a sma to bnc adapter anyway for other
> mobile antennas later. I have a cute little mag mount antenna i
> carry behind my pickup seat in case i need another antenna. It has a
> very flexible coax (RG-172 i think)terminated in a male bnc end.
> Would have preferred a sma end. However the small diameter coax puts
> very little stress on the adapter. It has a cute little "hershey candy

> kiss" size magnet. I laughed when i got it,but i dare anyone to try
> and drive fast enought to blow it off the roof. I have loaned it to
> more people than i have actually used it myself. Cant remember the
> name of it right now.
>
> Hope this helps. If you could show up at Sundays workshop, i could
> bring the mentioned items and let you evaluate them. Nothing like
> hands-on shopping before actually forking out the payola ;)
>
>
> kd7pit wrote:
> >
> > Hey everyone,
> > I was wanting to get some feedback on what would be a really good
> > replacement antenna for a TH-D7AG? I'm looking at a Diamond
RH77CA,
> > but you out there know more about who makes a good antenna, and
what
> > works, more than I. Any information would be appriciated! Also,
> > should I get an antenna with SMA threads or use a SMA to BNC
> > connector and use a BNC antenna? Thanks
> >
> > Justin Formolo
>
> --
> Regards,
>
> Randy Farley
> N7GPS -Ham Call-
> Find Me at: http://map.findu.com/n7gps*

2123. Project: Traveler attempt despite winds

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-09 14:55:36 UTC
From: Zack Clobes
Topic: 2123 Message: 2123

The surface winds are a bit high (17-18mph) and chilly, but Project: Traveler is still on schedule to launch about 8:00am (Central).
Zack

2124. Re: [KNSP] Project: Traveler

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-09 15:35:06 UTC
From: Hank Riley
Topic: 2124 Message: 2124

> Anybody know if "Project Traveler" is airborne?
>
> Harry - KC5TRB
> Tulsa. Ok

As of the time of this writing, 10:30 AM Kansas time,
I don't see the balloon on http://www.findu.com, but
there are recent packets from a "launch" station at the
right place near Hutchinson, Kansas, so I think there
might be a delay to cope with winds.

A scrub announcement may be forthcoming if it's just too
turbulent. The text from NWS tells just how wild a
night it was in the region. Reno county was real bad
and is the exact area of the balloon.

I'm in Massachusetts and don't have an official voice
in this, just a very interested observer.

Enter these rough coordinates into findu for
the launch site:

38.1 north -97.9 west

Hank

check HABLIC for upcoming amateur balloon launches
everywhere

http://www.geocities.com/n1ltv/hablic.htm
"All balloon launches, all the time"

==========

NATIONAL WEATHER SERVICE WICHITA KS
505 AM CST SAT MAR 9 2002

IT WAS A DARK AND STORMY NIGHT ACROSS EASTERN KANSAS. A VERY STRONG
COLD FRONT BLASTED THROUGH THE STATE...PRODUCING NUMEROUS REPORTS OF
SEVERE WEATHER. GOLFBALL SIZED HAIL FELL NEAR ARLINGTON IN RENO
COUNTY...WHICH WAS THE LARGEST HAIL REPORTED. 50 TO 60 MPH WINDS
WERE COMMON...WITH A 69 MPH WIND GUST REPORTED AT FORBES FIELD IN
TOPEKA...AND AN 87 MPH GUST AT WINFIELD IN COWLEY COUNTY.
SIGNIFICANT WIND DAMAGE WAS ALSO REPORTED IN SOUTHEAST KANSAS...
ROUGHLY ALONG HIGHWAY 169.

THE FRONT BROUGHT WINTER LIKE TEMPERATURES BACK TO THE SOUTHERN
SECTIONS OF KANSAS. PREDAWN TEMPERATURES RANGED FROM THE TEENS IN

THE NORTH...TO THE LOWER 20S SOUTHEAST. CLOUDS WERE EXITING THE STATE...BUT NORTHWEST WINDS WERE STILL GUSTING BETWEEN 30 AND 40 MPH.

THE FRONT WILL QUICKLY MOVE SOUTHEAST ACROSS ARKANSAS TODAY...WITH HIGH PRESSURE BUILDING IN ITS WAKE. WIND ADVISORIES ARE IN EFFECT TODAY FROM ARKANSAS TO IOWA...AS WELL AS EASTERN OKLAHOMA AND EASTERN NEBRASKA. WINTER WEATHER ADVISORIES ARE POSTED FOR A SMALL PART OF IOWA...WHERE SEVERAL INCHES OF SNOW AND BLOWING SNOW ARE FORECAST. SKIES ARE EXPECTED TO CLEAR OVER THE REMAINDER OF THE PLAINS BY TONIGHT.

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2125. Re: Project: Traveler

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-09 16:04:10 UTC
From: Hank Riley
Topic: 2124 Message: 2125

> As of the time of this writing, 10:30 AM Kansas time,
> I don't see the balloon on http://www.findu.com, but
> there are recent packets from a "launch" station at the
> right place near Hutchinson, Kansas, so I think there
> might be a delay to cope with winds.

That was supposed to be *9:30* Kansas time. Now at
around 10 AM CST the last packet reported from the
launch station is about 30 minutes old, and I don't
see the balloon itself, so that doesn't look too good
for a launch today.

Just speculating, though.

Hank

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2126. Re: [tvnsp] Re: Project: Traveler

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-09 17:31:09 UTC
From: Mark Conner
Topic: 2124 Message: 2126

The "launch station packet" was an object transmitted by WA0JRJ-1, who may have been simply marking the launch site.

I'd be very impressed if Traveler did get off the ground today - my first reaction to seeing 18F and 30-kt winds on a scheduled launch morning would be to roll over and go back to sleep.

- Mark
----- Original Message -----
From: Hank Riley
To: knsp@yahoogroups.com ; tvnsp@yahoogroups.com
Sent: Saturday, March 09, 2002 10:04
Subject: [tvnsp] Re: Project: Traveler

> As of the time of this writing, 10:30 AM Kansas time,
> I don't see the balloon on http://www.findu.com, but
> there are recent packets from a "launch" station at the
> right place near Hutchinson, Kansas, so I think there

> might be a delay to cope with winds.

That was supposed to be *9:30* Kansas time. Now at
around 10 AM CST the last packet reported from the
launch station is about 30 minutes old, and I don't
see the balloon itself, so that doesn't look too good
for a launch today.

Just speculating, though.

Hank

_____
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2127. Re: [tvnsp] Re: Project: Traveler

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-09 20:15:13 UTC
From: Zack Clobes
Topic: 2124 Message: 2127

Sorry in taking so much time in getting this out - we've been discussing the morning.

To sum it up, Project: Traveler didn't fly, however the balloon did.. :-/

We had a series of problems this morning that ended up with the 50lb fishing line snapping on launch, thereby letting the balloon go. The weather.com was reporting 28deg with 18mph winds which we decided we could launch in. It turns out with some post-mortem that the temp was actually somewhere between 15-18deg and the winds were up and down, but probably well above 18, especially on gusts. Our feeling was the everyone was up and ready to go, we might as well try it since it didn't look like the winds were dying down any throughout the day (they've gone down considerably as of 12pm).

Because of the cold we quickly filled the balloon and brought the transmitters online. We did have a couple of quirky things happen to our GPS - it stopped sending data just after power up and it had a heck of a time acquiring a lock. We rebooted everything, wiggled the cables, and got it out away from the vehicles and it then locked on just fine.

As we were getting ready to go, we did a final check on the knots on our rigging and found that both ends of the fishing line could come lose with very little effort. I cut them off and wrapped a little duct tape around for good measure and had a solid connection. After some strategizing of how to get everything into the air, we started letting out the line and there was enough of a snap on the line to break the fishing line (in the middle - the knots held). The bad news - we lost $130 worth of rubber and helium. The good news - the capsule is safe.

The fishing line appears to have gotten very brittle in the cold air. I don't totally understand this as I've been using the exact same line (same spool) as guy wires on my bugcatcher antenna on my vehicle for almost two years now without breaking. The second issue we will be addressing is why the GPS quit. I could hear the power inverter running in it, so it was getting power but the data didn't seem to come through for a minute or two.

Lastly, I'd like to solicit some discussion of launching procedures using lanyards. We have a delicate antenna on the bottom of the capsule so we couldn't use the lanyard off of the bottom of the box (like last time) but were wondering about putting a ring just a few inches below the balloon and let everything else hang. This concept probably would have saved our balloon this time and possible put less stress on the fishing line.

As for next time, we're looking at the schedule for mid-afternoon next weekend.

Zack Clobes, W0ZC
Project: Traveler
----- Original Message -----
From: Mark Conner
To: knsp@yahoogroups.com ; tvnsp@yahoogroups.com
Sent: Saturday, March 09, 2002 9:31 AM
Subject: Re: [tvnsp] Re: Project: Traveler

The "launch station packet" was an object transmitted by WA0JRJ-1, who may have been simply marking the launch site.

I'd be very impressed if Traveler did get off the ground today - my first reaction to seeing 18F and 30-kt winds on a scheduled launch morning would be to roll over and go back to sleep.

- Mark
----- Original Message -----
From: Hank Riley
To: knsp@yahoogroups.com ; tvnsp@yahoogroups.com
Sent: Saturday, March 09, 2002 10:04
Subject: [tvnsp] Re: Project: Traveler

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around 10 AM CST the last packet reported from the
launch station is about 30 minutes old, and I don't
see the balloon itself, so that doesn't look too good
for a launch today.

Just speculating, though.

Hank

_____
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2128. Lanyard procedure

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-09 18:32:58 UTC
From: Mark Conner
Topic: 2128 Message: 2128

Sorry to hear about the loss of the balloon and helium. Been there, done that, fortunately with a free 350g balloon but $60 helium. Our problem was we didn't secure the balloon to the filler hose well enough.

NSTAR has been using the lanyard procedure for launch since the start (it was developed under KNSP and has had a few refinements since). I use a 2.5" or 3" brass ring (available at craft stores) to run the lanyards through. After fill, we rotate the balloon to twist the neck (easier that way) and put the ring at the bottom of the fold when we fold the neck. If the ring is formed from bent wire, put the gap under the neck so the lanyards don't catch on it. Then we tie the neck off with the end of the load line and tape over the neck, leaving the ring open at the bottom of the works.

We use two lanyards to control the balloon. The lanyards are wound on common kite-string winders and have about 100 ft of line on them. The open ends are tied in a loop and the other ends are secured to the winders. The lanyards are both fed through the ring and the open end is held with the crescent wrench I use for the helium regulator (put the wrench through the loops).

If the winds are light, we form a triangle with the lanyards and raise the balloon until the payload is off the ground. If the winds are a bit stronger, all three tend to end up standing upwind of the balloon. When we're ready to launch, the person with the wrench simply releases the open strings and the balloon's ascent pulls the lanyards through the ring. This results in much less stress on the payload string.

Make sure you don't have an excessively long payload string with this method, or you'll have to have a lot of string for your lanyards.

73 de Mark N9XTN

2129. Re: [tvnsp] Lanyard procedure

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-09 21:12:53 UTC
From: Zack Clobes
Topic: 2128 Message: 2129

That sounds very interesting and we will probably go with that method.

The next question is something you eluded to - what are the optimal lengths for the rigging and why? Do any particular lengths have any advantages?
Zack
----- Original Message -----
From: Mark Conner
To: KNSP List ; TVNSP List
Sent: Saturday, March 09, 2002 10:32 AM
Subject: [tvnsp] Lanyard procedure

Sorry to hear about the loss of the balloon and helium. Been there, done that, fortunately with a free 350g balloon but $60 helium. Our problem was we didn't secure the balloon to the filler hose well enough.

NSTAR has been using the lanyard procedure for launch since the start (it was developed under KNSP and has had a few refinements since). I use a 2.5" or 3" brass ring (available at craft stores) to run the lanyards through. After fill, we rotate the balloon to twist the neck (easier that way) and put the ring at the bottom of the fold when we fold the neck. If the ring is formed from bent wire, put the gap under the neck so the lanyards don't catch on it. Then we tie the neck off with the end of the load line and tape over the neck, leaving the ring open at the bottom of the works.

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Make sure you don't have an excessively long payload string with this method, or you'll have to have a lot of string for your lanyards.

73 de Mark N9XTN

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2130. RE: [KNSP] Lanyard procedure

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-09 21:08:33 UTC
From: K7JPS - John
Topic: 2128 Message: 2130

Too bad about the balloon. Your description gave me flashbacks of TV01B. On that flight we were attempting a 9:30 launch to coincide with the start of astronomy day at a local museum. They had even provided some of the funding for the flight as I recall. We usually like to launch around sunrise because the desert winds are usually at a minimum then, but wanted the kids at mission control to see real-time SSTV and tracking.

As the balloon fill was nearing completion, the CC/PS entered flight mode and we noticed that the glider which was to be released at 75,000 ft dropped while that capsules were still on the launch assembly tower. Also, the 35mm camera had not yet started taking it's initial sequence of photos.

It was determined that the I/O cables for these two devices and been reversed. After a 10 - 15 minute delay to remove the styro-fill and swap ports, the launch continued. As I recall TVNSP has always used the lanyard procedure to launch balloons, I believe this came from Paul's days with KNSP. As the lanyards were being let out, a sucker wind picked up and caught the balloon handlers off-guard. This wind blew the balloon within a couple of feet of the sagebrush covered ground. Fortunately they reacted quickly enough to save it from a pre-launch burst, and were able to raise it to full launch height with the stack completely suspended.

The first lanyard was released and pulled free of the lanyard ring. As the second lanyard was released, the balloon began it's assent. When the lower capsule reached an elevation of 8 feet above terrain, the stack fell back to earth, with only the second lanyard and winder still attached to the balloon. The fellow who had been holding the winder had significant rope burns on his hands from trying to pull the lanyard through the ring.

After watching the balloon rise out of site, we examined the remnants of the load line and determined that the wind had twisted the balloon and caused the load line and lanyards to become entangled. Pulling on the lanyard caused the load line to sever.

We still feel that the lanyard procedure is the most effective way to have a controlled launch, but have added some precautions to the procedure. All handlers on the lanyards wear leather gloves, and someone is standing by with scissors or a knife to cut the lanyard if it snags. If all else fails, the the handler lets the winder go with the stack. This last procedure was evidenced in TV01H where the lanyard can be seen bobbing back and forth through the frame of the video camera - just Murphy's luck.

TVNSP uses a 1.5 inch metal ring to pass the lanyards through. The ring is first slid through a loop of sisal line that is then taped into the neck of the balloon as the balloon is sealed off. The load line is then tied (and now, taped to prevent abrasion) to the bottom of the ring. The rest of the

procedure is similar to Mark's description used by NSTAR.

Thanks for letting me ramble on, and reminisce. A more detailed though not complete description is available at:
http://www.the-one.com/tvnsp/filling.htm and
http://www.the-one.com/tvnsp/launchin.htm

John Stone
K7JPS

2131. Re: Good replacement ant. for D7?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-09 22:09:41 UTC
From: kd7pit
Topic: 2104 Message: 2131

What kind of performance difference is there between a 6-8 inch duck
and a 16+ inch duck? What is the most useful for around here AND
traveling? Thanks

Justin Formolo

--- In tvnsp@y..., Randy Farley <rdfarley@f...> wrote:
> Hi Justin
>
> I guess you noticed the stock rubber duckie for the KW HT cant
hear :)
> I would pick one that has an SMA connector. You will defeat your
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> of improved performance if you add an adapter between the radio and
> new rubber duckie antenna. Also the extra adapter will put more
strain
> on the threaded connector on the radio.
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> If you like Diamond, i would go with the SRH-519 8 incher because of
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> sma base. Have not used it,so it is my only choice out of the
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> You may want to buy a sma to bnc adapter anyway for other
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> Would have preferred a sma end. However the small diameter coax puts
> very little stress on the adapter. It has a cute little "hershey
candy
> kiss" size magnet. I laughed when i got it,but i dare anyone to try
> and drive fast enought to blow it off the roof. I have loaned it to
> more people than i have actually used it myself. Cant remember the
> name of it right now.
>
> Hope this helps. If you could show up at Sundays workshop, i could
> bring the mentioned items and let you evaluate them. Nothing like
> hands-on shopping before actually forking out the payola ;)

>
>
> kd7pit wrote:
> >
> > Hey everyone,
> > I was wanting to get some feedback on what would be a really good
> > replacement antenna for a TH-D7AG? I'm looking at a Diamond
RH77CA,
> > but you out there know more about who makes a good antenna, and
what
> > works, more than I. Any information would be appriciated! Also,
> > should I get an antenna with SMA threads or use a SMA to BNC
> > connector and use a BNC antenna? Thanks
> > >
> > Justin Formolo
>
> --
> Regards,
>
> Randy Farley
> N7GPS -Ham Call-
> Find Me at: http://map.findu.com/n7gps*

2132. Re: [KNSP] Lanyard procedure

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-09 22:25:40 UTC
From: Mark Conner
Topic: 2128 Message: 2132

TVNSP uses a 1.5 inch metal ring to pass the lanyards through. The ring is first slid through a loop of sisal line that is then taped into the neck of the balloon as the balloon is sealed off. The load line is then tied (and now, taped to prevent abrasion) to the bottom of the ring. The rest of the procedure is similar to Mark's description used by NSTAR.
We also used to tie a ring separately, but then decided it was faster and more secure simply to put it in the "U" formed when the neck is folded over. We also took to tying the load line directly to the balloon after hearing of the eight-foot flight of TV01B. That way the lanyards can't abrade the load line at the point it's tied to the ring. If you do it this way, make sure to put the ring on the fill adapter before you tape the balloon on.

Perhaps Ralph will accept the video of TV01B for record low-altitude flight? :)

A question - is there any advantage to releasing the lanyards one at a time vs. simultaneously? We could never find a good reason for doing it one at a time.

To answer Zack's question about stack height - most of it is determined by the length of the line from balloon to top of parachute. During the KNSP flights we tended to use about 30 ft as a default. I started that way, but then it became difficult to winch out the balloon with such a long load line (the payloads couldn't come off the ground). I use between 15 and 20 ft now without a problem. If you use a longer load line, you'll need proportionally longer lanyards, by at least 2:1 (closer to 3:1). So if you're 40 ft from balloon neck to bottom payload, you need at least 120 ft on each lanyard.

I think the main thing is to make it long enough so that the balloon shards won't rest on the top of the parachute or become entangled with the shroud lines. Some times you get back 75% of the balloon and you don't want that resting on top of the chute and deforming or fouling it.

I've also found that long distances between the two capsules is not a good thing. I used to attach them 8-10 ft apart. Now I attach them within a couple of feet and at two tie points. This makes things much more stable on descent.

73 de Mark N9XTN

Mark D. Conner
E-mail: n9xtn@...
Homepage: http://members.cox.net/mconner1
"Arrogance and stupidity, all in the same package.....how
efficient of you!" - Ambassador Londo Mollari, Babylon 5

2133. Lanyard procedure

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-09 22:56:35 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2128 Message: 2133

> We also used to tie a ring separately, but then decided it was faster and more
secure simply to put it in the "U" formed when the neck is folded over.
We also took to tying the load line directly to the balloon after hearing
of the eight-foot flight of TV01B. That way the lanyards can't abrade
the load line at the point it's tied to the ring. If you do it this way,
make sure to put the ring on the fill adapter before you tape the balloon on.

So you the load line running next to the ring?
I think that still runs the risk that the lanyards could twist on the
load line. The friction generated when the lanyard pulls free of the
balloon can still cut the load line. The balloon gets sucessfully
launched, but not the capsule.

>
> Perhaps Ralph will accept the video of TV01B for record low-altitude flight? :)

That's NOT funny!!!!!

> A question - is there any advantage to releasing the lanyards
one at a time vs. simultaneously? We could never find a good
reason for doing it one at a time.

I think it reduces the chances that the lines will tangle together.
I'm hoping to develop a release mechanism that cuts the lanyards
at the balloon, so there's no ring to pull the lines through. We've
had a lanyard jam on the ring. When that happens, you have to
give the lanyard a tug to pull it free.

Paul

2134. Re: May Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-09 23:38:44 UTC
From: kd7pit
Topic: 2086 Message: 2134

About how much Helium will you need?

Justin Formolo

--- In tvnsp@y..., <verhap@o...> wrote:
> Hey, you got your new call sign!
> Congrats!
>
> We'll at least try for a 3000 gram balloon and that will cost
$200. If
> we can scrap up $600, we'll try for a 6000 gram balloon. I'm going
> to call Kaymont and verify the costs.
>
> Paul
>
>
> > I was just wondering what size of a balloon you plan on using and
how
> > much does it cost? How much do you need to raise for lift off?
> >
> > Justin Formolo
> >
> >
> > --- In tvnsp@y..., verhap@o... wrote:
> > > The May launch will be a high altitude attempt. We need to
start
> > > lining up funding. Please pass the word around. We'll put the
> > > names of organizations donating on the outside of the capsule.
I
> > > plan to carry patches up on the flight, to give to donors
(they'll
> > be
> > > framed with a picture).
> > >
> > > Please start asking around.
> > >
> > > Paul
> > >
> > >
> > >
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2135. Re: [tvnsp] Re: Project: Traveler

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-10 00:26:14 UTC
From: Randy Farley
Topic: 2124 Message: 2135

Sorry to hear about the balloon loss. Look at it as another learning
experience instead of a failure. Did the line snap at a knot ?
Or did it just break fromm stretching?

Your experiment cleared any thoughts of me trying monofilament line
now.
My biggest concern was knot weakness and abrasion resistance. You can
not use just any "old knot" on fishing line. You must tie a knot that
secures the tag ends and double the loops to prevent making the line
weaker at the secured point. You generally loose 50% of you tensile
strength with only one wrap. I doubt UV breakdown was any problem
unless you used the line
many times before. Modern fishing lines have pretty good abrasion
reistance under water,but not in a non-lubricated enviroment above
water.
Friction of any kind is a bad thing.

I think i will stay with the braided lines if i ever get to launch.
Seems like "Murphy" never dies.
Good luck in the future.

--
Regards,

Randy Farley
N7GPS -Ham Call-
Find Me at: http://map.findu.com/n7gps*

2136. Re: [tvnsp] Lanyard procedure

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-10 00:41:11 UTC
From: Mark Conner
Topic: 2128 Message: 2136

> We also used to tie a ring separately, but then decided it was faster and more
secure simply to put it in the "U" formed when the neck is folded over.
We also took to tying the load line directly to the balloon after hearing
of the eight-foot flight of TV01B. That way the lanyards can't abrade
the load line at the point it's tied to the ring. If you do it this way,
make sure to put the ring on the fill adapter before you tape the balloon on.

So you the load line running next to the ring?
I think that still runs the risk that the lanyards could twist on the
load line. The friction generated when the lanyard pulls free of the
balloon can still cut the load line. The balloon gets sucessfully
launched, but not the capsule.

Yes, it's next to the ring. So far (knock on latex), we haven't had one twist this way.
>
> Perhaps Ralph will accept the video of TV01B for record low-altitude flight? :)

That's NOT funny!!!!!
Then how come I was LMAO when I first saw the video clip? :-P It hurts to lose a balloon
and helium like that, but it sure is unique video.

> A question - is there any advantage to releasing the lanyards
one at a time vs. simultaneously? We could never find a good
reason for doing it one at a time.

I think it reduces the chances that the lines will tangle together.
I'm hoping to develop a release mechanism that cuts the lanyards
at the balloon, so there's no ring to pull the lines through. We've
had a lanyard jam on the ring. When that happens, you have to
give the lanyard a tug to pull it free.
We've had one do that too, but wasn't much of a problem - it hung up only briefly. I think
it looped on itself.

2137. Re: [tvnsp] Re: Good replacement ant. for D7?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-10 00:42:56 UTC
From: Randy Farley
Topic: 2104 Message: 2137

kd7pit wrote:
>
> What kind of performance difference is there between a 6-8 inch duck
> and a 16+ inch duck? What is the most useful for around here AND
> traveling? Thanks

I have always had better luck with a longer antenna performance wise.
Check the specs. of each manufacturer here. Some claim they get equal
performance out of a shorter antenna.

Physical considerations,you have to decide how you are going to carry
the HT. The longer antennas can get in you way sometimes. They brush
us against your back if you carry them on you belt or hip pocket.
Obstuct your view somewhat if you try to carry it in you shirt pocket.
This is all a personal preference.

2138. Re: [tvnsp] Re: Project: Traveler

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-10 05:57:56 UTC
From: Zack Clobes
Topic: 2124 Message: 2138

I really think we almost learned more today than we did on the entire previous launch. We had discussed a mid-winter launch last summer and what it would involve an never imagined many of the problems we ran into today.

As for the breakage, it was rather unusual. The line was brand new off the spool. The spool is several years old but still seams to be in good condition. Just before releasing the balloon, we did our routine knot check and sure enough both of our knots broke on the monofilament. The thing is, that we didn't pull on them hardly at all. At this point we are theorizing that the line becomes brittle somewhere around 20F (sticking it in the freezer doesn't phase it). The knots just crumbled in our hand with probably 5lb of tension.

We re-did the knots (as best as we could under the conditions... i.e. plenty of duct tape) and let it go. Before the parachute was even off the ground, the line snapped between the knots. We pulled what was left of the string off the parachute tonight (at room temp) and couldn't find any signs of give or brittleness.

As for the knots - we don't take chances with any of them - ALWAYS USE EPOXY ON ALL KNOTS.

What we still don't understand is, assuming it is temp related, why aren't more people seeing premature breakage from monofilaments? We will be investigating Kevlar and other alternatives this week, but we are curious what others are doing and their experiences.

Thanks,
Zack Clobes, W0ZC
----- Original Message -----
From: Randy Farley
To: tvnsp@yahoogroups.com
Sent: Saturday, March 09, 2002 4:26 PM
Subject: Re: [tvnsp] Re: Project: Traveler

Sorry to hear about the balloon loss. Look at it as another learning
experience instead of a failure. Did the line snap at a knot ?
Or did it just break fromm stretching?

Your experiment cleared any thoughts of me trying monofilament line
now.
My biggest concern was knot weakness and abrasion resistance. You can
not use just any "old knot" on fishing line. You must tie a knot that
secures the tag ends and double the loops to prevent making the line
weaker at the secured point. You generally loose 50% of you tensile
strength with only one wrap. I doubt UV breakdown was any problem
unless you used the line
many times before. Modern fishing lines have pretty good abrasion
reistance under water,but not in a non-lubricated enviroment above
water.
Friction of any kind is a bad thing.

I think i will stay with the braided lines if i ever get to launch.
Seems like "Murphy" never dies.
Good luck in the future.

--
Regards,

Randy Farley
N7GPS -Ham Call-
Find Me at: http://map.findu.com/n7gps*

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2139. Re: [tvnsp] Re: Good replacement ant. for D7?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-10 15:50:08 UTC
From: Tony Barrett
Topic: 2104 Message: 2139
Attachments: 2 described; binary payloads are missing from this source WARC

I agree with Randy completely on all his points.

I've always seen better performance from longer antennas, assuming they are properly tuned to the frequency of use. My 19 inch whip clearly outperforms my 8 inch duck. On the other hand, I have an 8 inch after-market rubber duck that clearly outperforms the 8 inch "dummy load" "antenna" that was shipped with my Yaesu. I wish I could tell you the brand, but I bought it at Dayton from a booth that was selling both business band and ham hand duckies. The only visible difference is the color of the stripe around the top. I guess they figure business people are willing to pay more for a better performing 150 MHz HT antenna. It didn't take much for the commercial manufacturer to modify this design internally to work at 146 MHz. This antenna is also very rugged. There is obviously more material in my commercial antenna than my Yaesu dummy load. Don't get me wrong. I love my Yaesu radio and highly recommend Yaesu equipment and support, but they've had to jump into the same fox hole with everyone else to compete. They put their money in the radio, not the antenna, probably hoping you'll buy a better performing Yaesu antenna for a few extra bucks. But I think they know that when you're shopping for a radio the antenna is the last thing on your mind.

I guess I should point out that my Yaesu 8 inch rubber duck is a "dual band" "antenna" and my 8 inch commercial rubber duck is only a single band antenna, which probably avoids some design and performance compromises right off the bat.

Unless I have an idea coverage will be marginal, when I plan to carry my HT on my body I use my 8 inch commercial rubber duck. When I plan to use the radio in a vehicle, or a less confined area, or when I know the HT will mostly be in my hand and not on my belt - or when I suspect reception will be marginal, then I use my 19 inch Comet dual band duckie.

I have some suction cup and window clip accessories (even a hat clip come to think of it) that allow me to put either antenna on the end of a cable. We've had good luck using a suction cup to mount either antenna to the window (inside or outside works about the same) of private aircraft and rental cars. When mounted this way the 19 inch whip is more practical. Its too easy to break a 19 inch whip clipped to your belt, or worse yet, poke someone in eye.

Good luck,

Tony

At 05:42 PM 3/9/02 -0700, you wrote:
>kd7pit wrote:

> >
> > What kind of performance difference is there between a 6-8 inch duck
> > and a 16+ inch duck? What is the most useful for around here AND
> > traveling? Thanks
>
>I have always had better luck with a longer antenna performance wise.
>Check the specs. of each manufacturer here. Some claim they get equal
>performance out of a shorter antenna.
>
>Physical considerations,you have to decide how you are going to carry
>the HT. The longer antennas can get in you way sometimes. They brush
>us against your back if you carry them on you belt or hip pocket.
>Obstuct your view somewhat if you try to carry it in you shirt pocket.
>This is all a personal preference.
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2140. Re: [tvnsp] Warhawk Museum

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-10 16:40:37 UTC
From: John Knapp
Topic: 2098 Message: 2140

Those of you coming in from out of town, try to avoid
the intersection of Fairview and Milwauke. The have
all lanes at the intersection down to one lane in each
direction. Go down Cole if you can.

John the Elder
KD7HGS
--- verhap@... wrote:
> Don't forget the meeting this Sunday. Brings APRS
> to test.
>
> We have a date to set up at the Warhawk Museum. The
> first
> Saturday's of the month, they have an educational
> program. They'd
> like us to set up on April 6th, along with a hot air
> balloon group.
> Om Memorial Day, they have a breakfsat. They'd like
> us to launch
> a balloon that day and set up a tracking station at
> the museum.
> Can we move the high altitude attempt to Sunday?
>
> Ball caps.
> I want to sew a patch on a ball cap. Do we want to
> standardize on
> a color? That way, when we show up some place with
> TVNSP
> ballcaps, they will match?
>
> Paul
>

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2141. Re: [tvnsp] Re: Project: Traveler

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-10 17:28:08 UTC
From: Randy Farley
Topic: 2124 Message: 2141

Hmm..Some of the DUCT tapes out there use cheap glues that can attack plastics. Also have you checked the EPOXY and how it reacts with the monofilament? Also i have found that the cheaper fishing line brands have poor quality control. I had a el cheapo brand spool along time ago that had brittle spots in the entire spool.

If intent on using fishing line you might look into a line called "spider wire". I think it is kevlar based. About 1/2 the diameter
of equivalent mono. line if i remember correctly.

As far as the temperature thing,i have fished in freezing icey waters without any problems for steelhead using only 10 lb test. Have fought 18-20lb fish for 30 minutes without any failure.
Never had brittle line problems. Usually the ice formed on the eyelets sometimes caused abrasion problems. Or failure was usually due to my horsing the fish and exeeding the lb rating of the line.

Hey i can see another experiment here: How about fishing with a balloon
grappling line and a tensile strenth sensor attached.

Time for another "gas fix" to clear up this cabin fever ;)
--
Regards,

Randy Farley
N7GPS -Ham Call-
Find Me at: http://map.findu.com/n7gps*

2142. Re: [tvnsp] Warhawk Museum

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-10 17:30:57 UTC
From: Randy Farley
Topic: 2098 Message: 2142

John Knapp wrote:
>
> Those of you coming in from out of town, try to avoid
> the intersection of Fairview and Milwauke. The have
> all lanes at the intersection down to one lane in each

Thanks John,that is the route i take most of the time
unless i stop for some quick shopping in your nice town.

--
Regards,

Randy Farley
N7GPS -Ham Call-
Find Me at: http://map.findu.com/n7gps*

2143. Re: [tvnsp] Re: Project: Traveler

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-10 19:53:53 UTC
From: Zack Clobes
Topic: 2124 Message: 2143

The duct tape wasn't put on until after the knots became brittle.

I will try some epoxy on a piece of line but the epoxy would have had to deteriorate the line one foot away from the original knot since we cut off the old knot and re-tied. This is also the exact same procedure we've successfully used on two other flights.

We have done some experimenting with the line since yesterday. Putting it in the freezer doesn't have any effect on it. However, yesterday we were in about 18-20F.

I don't think it was just a bad spot - both knots on each end of the line literally crumbled with very little effort. We have since tugged on the remains (under room temp) and have had no problems. We have also spooled off about 20' of line and applied pressure with zero faults.

The only other reasoning that we can come up with is possibly the parachute or some balloon remains that were on the parachute reacting with the line. Usually assembling the rigging is a last minute ordeal, however I got around to it about a week ago on this flight and stored the whole thing wrapped up around the parachute along with some nylon rope. I currently have a piece of monofilament wrapped around the parachute and will test it in a couple of days.

I plan on trying to come up with some Kevlar today and will probably use that in the future. Nonetheless, we're very interested in why we had this failure yesterday.
Zack Clobes, W0ZC
Project: Traveler
----- Original Message -----
From: Randy Farley
To: tvnsp@yahoogroups.com
Sent: Sunday, March 10, 2002 9:28 AM
Subject: Re: [tvnsp] Re: Project: Traveler

Hmm..Some of the DUCT tapes out there use cheap glues that can attack
plastics. Also have you checked the EPOXY and how it reacts with the
monofilament? Also i have found that the cheaper fishing line brands
have poor quality control. I had a el cheapo brand spool along time
ago that had brittle spots in the entire spool.

If intent on using fishing line you might look into a line
called "spider wire". I think it is kevlar based. About 1/2 the
diameter
of equivalent mono. line if i remember correctly.

As far as the temperature thing,i have fished in freezing icey waters
without any problems for steelhead using only 10 lb test. Have fought
18-20lb fish for 30 minutes without any failure.
Never had brittle line problems. Usually the ice formed on the eyelets
sometimes caused abrasion problems. Or failure was usually due to my

horsing the fish and exeeding the lb rating of the line.

Hey i can see another experiment here: How about fishing with a
balloon
grappling line and a tensile strenth sensor attached.

Time for another "gas fix" to clear up this cabin fever ;)
--
Regards,

Randy Farley
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2144. Re: Warhawk Museum

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-10 18:43:01 UTC
From: kd7pit
Topic: 2098 Message: 2144

Thanks John, I usually go that way. I make a note about the detour.
Thanks

Justin Formolo

--- In tvnsp@y..., John Knapp <kd7hgs@y...> wrote:
> Those of you coming in from out of town, try to avoid
> the intersection of Fairview and Milwauke. The have
> all lanes at the intersection down to one lane in each
> direction. Go down Cole if you can.
>
> John the Elder
> KD7HGS
> --- verhap@o... wrote:
> > Don't forget the meeting this Sunday. Brings APRS
> > to test.
> >
> > We have a date to set up at the Warhawk Museum. The
> > first
> > Saturday's of the month, they have an educational
> > program. They'd
> > like us to set up on April 6th, along with a hot air
> > balloon group.
> > Om Memorial Day, they have a breakfsat. They'd like
> > us to launch
> > a balloon that day and set up a tracking station at
> > the museum.
> > Can we move the high altitude attempt to Sunday?
> >
> > Ball caps.
> > I want to sew a patch on a ball cap. Do we want to
> > standardize on
> > a color? That way, when we show up some place with
> > TVNSP
> > ballcaps, they will match?
> >
> > Paul
> >
>
>
> _____
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2145. SpiderLine

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-10 20:50:01 UTC
From: Zack Clobes
Topic: 2145 Message: 2145

I'm now the proud owner of 150 yards of 50lb SpiderLine. If anyone wants to play with some, send me an SASE and I'll cut you off a couple yards.

Zack Clobes
1710 N. Adam
Hutchinson, KS 67502

2146. Re: [tvnsp] Re: May Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-11 14:16:56 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2086 Message: 2146

> About how much Helium will you need?

Two tanks, at $57 a tank.

Paul

2147. Re: [tvnsp] Lanyard procedure

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-11 14:21:01 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2128 Message: 2147

> > Perhaps Ralph will accept the video of TV01B for record low-altitude flight? :)
>
> That's NOT funny!!!!!
> Then how come I was LMAO when I first saw the video clip? :-P It hurts to lose a balloon and helium like that, but it sure is unique video.

It certainly was unique. I guess I would have felt better if it had gotten at least high enough to let the parachute open.

We've made it a policy that we'll cut the lines if it looks like the lines are twisting.

Paul

2148. Re: [tvnsp] Re: Project: Traveler

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-11 14:25:09 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2124 Message: 2148

> As for the breakage, it was rather unusual.

We use a twisted nylon line. I've seen that stuff break when the
wind tugs on the balloon. The sudden jerk is enough to break the
line. It happens around the knot, where the line was weakened by
the knot itself.

> As for the knots - we don't take chances with any of them - ALWAYS USE EPOXY ON ALL KNOTS.

Ummm, ya, that would work. But tape seems faster.
We tape our knots, just to be sure. We'll all a bunch of Boy Scout
drop outs, if you know what I mean.

Paul

2149. Re: [tvnsp] Re: Project: Traveler

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-11 14:28:01 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2124 Message: 2149

> If intent on using fishing line you might look into a line
> called "spider wire". I think it is kevlar based. About 1/2 the
> diameter
> of equivalent mono. line if i remember correctly.

Be sure to waer gloves. The thinner the line, the greater its cutting
ability.

That does it, we're going to steel cable.

Paul

2150. Re: [tvnsp] Re: Project: Traveler

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-11 14:37:03 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2124 Message: 2150

> I plan on trying to come up with some Kevlar today and will probably use that in the future. Nonetheless, we're very interested in why we had this failure yesterday.

As I understand, it was windy that morning.

Two of the balloon loses I had were due to wind pulling on the
balloon and snapping the line.

Paul

2151. Near Space Logo

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-11 14:40:42 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2151 Message: 2151
Attachments: 2 described; binary payloads are missing from this source WARC

Here's my latest draft of a generic near space logo. Please make suggestions. If there's enough interest, I'll arrange for bumper stickers.

Paul

2152. Re: [tvnsp] SpiderLine

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-11 15:18:50 UTC
From: Randy Farley
Topic: 2145 Message: 2152

> Zack Clobes wrote:
>
> I'm now the proud owner of 150 yards of 50lb SpiderLine. If anyone
> wants to play with some, send me an SASE and I'll cut you off a
> couple yards.
>

Whooaa..they must have made that for whalermen (save the whale and
drown a whalerman);) Watch out for string burns with this stuff.

Let me know if you can cut it with just a knife.

> Zack Clobes
> 1710 N. Adam
> Hutchinson, KS 67502
>
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>
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--
Regards,

Randy Farley
N7GPS -Ham Call-
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2153. Re: [tvnsp] Near Space Logo

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-11 15:46:34 UTC
From: Randy Farley
Topic: 2151 Message: 2153

verhap@... wrote:
>
> Here's my latest draft of a generic near space logo. Please make
> suggestions. If there's enough interest, I'll arrange for bumper
> stickers.
>
I like the balloon and horizon part.
Maybe move that one star on the right up a little so the radiation
symbols stand out more by themselves.

Regards,

Randy Farley
N7GPS -Ham Call-
Find Me at: http://map.findu.com/n7gps*

2154. Re: [tvnsp] Re: Project: Traveler

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-11 17:10:34 UTC
From: Mark Conner
Topic: 2124 Message: 2154

All right - near space barrage balloons. Great for snagging high-flying aircraft or low-flying satellites.

> That does it, we're going to steel cable.
>

2155. Re: [tvnsp] Re: Project: Traveler

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-11 17:09:03 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2124 Message: 2155

It was effective (to an extent) in WW II against German aircraft. I guess it was most useful against night attacks. If memory serves, they also knocked down some V-1s (buzz bombs) with barrage balloons.

Paul

> All right - near space barrage balloons. Great for snagging high-
> flying aircraft or low-flying satellites.
>
>
> > That does it, we're going to steel cable.
> >
>
>
>
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2156. Balloon Order, Doug

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-11 19:49:55 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2156 Message: 2156

Doug, the balloon we need to order is a 1200 gram balloon. It's a KCI1200. Here's Kaymont's phone number: 1-800-644-6459

You'll probably get Paul on the phone.

Thanks,
Paul

2157. Re: [tvnsp] Re: May Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-11 21:54:08 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2086 Message: 2157

> Paul, sometime if possible please ask Kaymont what the 6000g
> burst diameter specification is.

I just found out Kaymont stops at a 5000 gram balloon. I'm still
waiting to hear back on the specs.

Paul

2158. Re: [tvnsp] SpiderLine

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-12 00:57:13 UTC
From: Zack Clobes
Topic: 2145 Message: 2158

It can be cut rather easily - scissors, knife, etc...
----- Original Message -----
From: Randy Farley
To: tvnsp@yahoogroups.com
Sent: Monday, March 11, 2002 7:18 AM
Subject: Re: [tvnsp] SpiderLine

> Zack Clobes wrote:
>
> I'm now the proud owner of 150 yards of 50lb SpiderLine. If anyone
> wants to play with some, send me an SASE and I'll cut you off a
> couple yards.
>

Whooaa..they must have made that for whalermen (save the whale and
drown a whalerman);) Watch out for string burns with this stuff.

Let me know if you can cut it with just a knife.

> Zack Clobes
> 1710 N. Adam
> Hutchinson, KS 67502
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Regards,

Randy Farley
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2159. Re: [tvnsp] Balloon Order, Doug

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-12 01:01:29 UTC
From: Zack Clobes
Topic: 2156 Message: 2159

Make sure you talk to the right person - I left a message for an order with someone there and the message never quite got passed along.
Zack
----- Original Message -----
From: verhap@...
To: tvnsp@yahoogroups.com
Sent: Monday, March 11, 2002 11:49 AM
Subject: [tvnsp] Balloon Order, Doug

Doug, the balloon we need to order is a 1200 gram balloon. It's a KCI1200. Here's Kaymont's phone number: 1-800-644-6459

You'll probably get Paul on the phone.

Thanks,
Paul

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2160. Re: [tvnsp] Balloon Order, Doug

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-11 23:06:05 UTC
From: Doug Rich
Topic: 2156 Message: 2160

Ordered today, ship tomorrow. Paul had just left for home but other guy
took the order.

Doug.

At 12:49 PM 3/11/02 -0700, you wrote:
>Doug, the balloon we need to order is a 1200 gram balloon. It's a
>KCI1200. Here's Kaymont's phone number: 1-800-644-6459
>
>You'll probably get Paul on the phone.
>
>Thanks,
>Paul
>
>
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>
>
>
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2161. Re: [tvnsp] Balloon Order, Doug

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-12 01:16:30 UTC
From: Zack Clobes
Topic: 2156 Message: 2161

:-) That line sounds familiar! If you're in a hurry for them, a follow-up call would be recommended -- just my experience.
ZC
----- Original Message -----
From: Doug Rich
To: tvnsp@yahoogroups.com
Sent: Monday, March 11, 2002 3:06 PM
Subject: Re: [tvnsp] Balloon Order, Doug

Ordered today, ship tomorrow. Paul had just left for home but other guy took the order.

Doug.

At 12:49 PM 3/11/02 -0700, you wrote:

Doug, the balloon we need to order is a 1200 gram balloon. It's a
KCI1200. Here's Kaymont's phone number: 1-800-644-6459

You'll probably get Paul on the phone.

Thanks,
Paul

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2162. Re: [KNSP] Near Space Logo

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-12 14:29:24 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2162 Message: 2162

> I guess I need a less in chemistry (or something)... what do all of the mu's and rho's mean?

Physics, actually.
It's the particles that result from the collision of cosmic rays with
air molecules. I need to check that I created a valid reaction,
however.

Paul

2163. Sunday meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-12 17:03:30 UTC
From: Hank Riley
Topic: 2086 Message: 2163

For us armchair TVNSP members, could Paul or someone
fill us in on what happened and what was done at
the Sunday meeting?

Among other things, are Stamp lessons still in progress?

Hank

_____
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2164. Re: [tvnsp] Sunday meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-12 17:17:04 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2086 Message: 2164

> For us armchair TVNSP members, could Paul or someone
> fill us in on what happened and what was done at
> the Sunday meeting?
>
> Among other things, are Stamp lessons still in progress?

We tested APRS last Sunday. I powered up a capsule and a
backup tracker. Those that were ready were able to see them.
We also worked a little bit on the on-board recorder (from Solutions
Squared).

We haven't done BS2 lessons. I hope to start them up again
before too long.

We also discussed the launch schedule and the Warhawk
Museum.

Paul

2165. Re: [tvnsp] Sunday meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-12 19:24:46 UTC
From: Hank Riley
Topic: 2086 Message: 2165

> We tested APRS last Sunday. I powered up a capsule and a
> backup tracker. Those that were ready were able to see them.
> We also worked a little bit on the on-board recorder (from Solutions
> Squared).

This and the other things mentioned sound like it was a
nice meeting.

Paul, did you bring and test any igniter/battery combinations
as I think you were intending to do at one point?

Hank

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2166. Re: [tvnsp] Sunday meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-12 19:46:42 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2086 Message: 2166

> Paul, did you bring and test any igniter/battery combinations
> as I think you were intending to do at one point?

No, I haven't had a chance to test that yet. I probably won't do that
until after my conference in Albuquerque.

Paul

2167. KPC 3+ Question

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-12 19:51:45 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2167 Message: 2167

I couldn't find my KPC 3+ book last night (the rabbits may be hiding it).

I need to know how to wire the second comm port and get access to the on-board ADCs. Can some one pass that along to me?

I have the commands for setting up the second comm port, but not the hardware stuff that needs to be done. Is there a software change that's needed to have ADC data telemetered?

Thanks,
Paul

Rabbit Story
Sunday, while cleaning, I opened the rabbit gate that protects the world from my four monsters. When Allie saw that gate open, she bolted out at warp speed. I guess she understands that Dad doesn't leave the gate opened very often.

2168. Re: [tvnsp] KPC 3+ Question

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-12 23:19:58 UTC
From: Randy Farley
Topic: 2167 Message: 2168

verhap@... wrote:
>
> I couldn't find my KPC 3+ book last night (the rabbits may be
> hiding it).
>
> I need to know how to wire the second comm port and get access
> to the on-board ADCs. Can some one pass that along to me?

I was just working on that for a temperature sensor Sunday morning.
If you mean the DB-25 port:

For the AN0 input, Put J8 in position 2 The external voltage will be
read from pin #18

For the AN1 input, Put J10 in position 2 The external voltage will be
read
from pin #11

Use the ANALOG command to receive the string of eight values. Only
the first two values are relevant. There is a hack to get AN2,AN3 and
AN5 for 3 additional inputs if you need them.
Use the TELEMETRY n (where n=0-255)command to to send a beacon.
The beacon is sent every n*10 seconds.
if you need them.

From the manul so your smoke should not vary.
>
> I have the commands for setting up the second comm port, but not
> the hardware stuff that needs to be done. Is there a software
> change that's needed to have ADC data telemetered?
>
> Thanks,
> Paul
>

Regards,

Randy Farley
N7GPS -Ham Call-
Find Me at: http://map.findu.com/n7gps*

2169. Re: [tvnsp] KPC 3+ Question

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-13 14:27:39 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2167 Message: 2169

> For the AN0 input, Put J8 in position 2 The external voltage will be
> read from pin #18
>
> For the AN1 input, Put J10 in position 2 The external voltage will be
> read
> from pin #11
>
> Use the ANALOG command to receive the string of eight values. Only
> the first two values are relevant. There is a hack to get AN2,AN3 and
> AN5 for 3 additional inputs if you need them.
> Use the TELEMETRY n (where n=0-255)command to to send a beacon.
> The beacon is sent every n*10 seconds.
> if you need them.

Thanks, that is what I was looking for. I take it that the hack for
the other ADCs is not documented? I'll do a serach over the
internet for it. Has anyone make the hack and had it work?

Paul

2170. Re: [tvnsp] KPC 3+ Question

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-13 17:21:45 UTC
From: randy farley
Topic: 2167 Message: 2170

On Wed, 13 Mar 2002 07:27:39 -700
<verhap@...> wrote:
> > For the AN0 input, Put J8 in position 2 The external
> voltage will be
> > read from pin #18
> >
> > For the AN1 input, Put J10 in position 2 The external
> voltage will be
> > read
> > from pin #11
> >
> > Use the ANALOG command to receive the string of eight
> values. Only
> > the first two values are relevant. There is a hack to
> get AN2,AN3 and
> > AN5 for 3 additional inputs if you need them.
> > Use the TELEMETRY n (where n=0-255)command to to send a
> beacon.
> > The beacon is sent every n*10 seconds.
> > if you need them.
>
> Thanks, that is what I was looking for. I take it that
> the hack for
> the other ADCs is not documented? I'll do a serach over
> the
> internet for it. Has anyone make the hack and had it
> work?
>
> Paul
>
The hack is at the nwaprs.org site if i remember correctly.
If i get time,i will look it up for you later. At work
right now,so it may take some time.

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>

regards,

Randy

2171. Need LCD Projector

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-13 19:36:08 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2171 Message: 2171

Can someone who is going to the VOI meeting tonight bring an
LCD projector?

I will give a presentation on making PCBs and would like to
demonstrate the software.

Paul

2172. Re: [tvnsp] Re: Project: Traveler

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-14 05:16:23 UTC
From: Bill Herrmann
Topic: 2124 Message: 2172

At 07:37 AM 3/11/02 -0700, you wrote:
>Two of the balloon loses I had were due to wind pulling on the
>balloon and snapping the line.

Any time you have sudden jerks on a line the line is likely to break. In a previous life I used to do a fair amount of 4-wheel drive stuff. Never ever use cable or chain for pulling out a stuck vehicle. They break. Something with stretch to absorb the jerk is needed. Not only is it less likely to break but it can amplify your pulling force. A buddy of mine broke a 20,000lb test snatch strap. I bought the 30,000lb test one. I haven't broken it yet and I've pulled out vehicles that took several runs with the strap slack to start with.

Anyway, any line that doesn't have some stretch to it will break if it goes slack and then taught rapidly. Gusty conditions are likely to do that.

Bill

2173. Kenwood and Kantronics

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-14 14:55:13 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2173 Message: 2173

I'm puttng together my notes about TNCs. Jeff can you email what commands you programmed into your KPC 3+ before we launched it into near space?

I'd like to test the Kenwood Data Radio as a near space tracker. John, what commands do you need to program into your radio? Would you be willing to do a ground test of your Kenwood as a near sapce tracker? How about a near space test sometime with a backup tracker? Will the Kenwood transmit any data sent to it? I'm wondering if the CC/PS could format data and then hand it off to the Kenwood for transmission.

Jeff, will you be going with us on the March launch? Will we be sending your camcorder up?

Paul

2174. Re: [tvnsp] Kenwood and Kantronics

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-14 17:04:19 UTC
From: randy farley
Topic: 2173 Message: 2174

Paul

You might want to contact the Montana group.
They use the KW HT in their launches. Might not
have to reinvent too much of the wheel.

On Thu, 14 Mar 2002 07:55:13 -700
<verhap@...> wrote:
> I'm puttng together my notes about TNCs. Jeff can you
> email what
> commands you programmed into your KPC 3+ before we
> launched
> it into near space?
>
> I'd like to test the Kenwood Data Radio as a near space
> tracker.
> John, what commands do you need to program into your
> radio?
> Would you be willing to do a ground test of your Kenwood
> as a
> near sapce tracker? How about a near space test sometime
> with a
> backup tracker? Will the Kenwood transmit any data sent
> to it?
> I'm wondering if the CC/PS could format data and then
> hand it off to
> the Kenwood for transmission.
>
> Jeff, will you be going with us on the March launch?
> Will we be
> sending your camcorder up?
>
> Paul
>
>
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>
>

regards,

Randy

2175. Project: Traveler to fly again 16 Mar

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-15 03:25:18 UTC
From: Zack Clobes
Topic: 2175 Message: 2175

We will be attempting Project: Traveler 2002a once again this Saturday afternoon at about 1:00pm. Initial weather reports are looking promising with a predicted flight path about 15 miles north-east of Emporia, KS.

www.rckara.org/project_traveler/

Zack Clobes, W0ZC
Project: Traveler

2176. RE: [tvnsp] Kenwood and Kantronics

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-15 13:59:25 UTC
From: K7JPS - John
Topic: 2173 Message: 2176

The KW D7 can be run either in APRS mode or in packet mode. With the APRS mode all you need is the NEMA string from a GPS, the rest is defined in about 12 menu settings. For packet mode, it functions just as a TNC so that you can hook it up to any desired "computer" for TX/RX.

I would be happy to do some surface experiments with you on this.

By the way, my baby girl was born on Wednesday morning. She and Mom are doing great :)

John "Beaming Dad" Stone
K7JPS

-----Original Message-----
From: verhap@... [mailto:verhap@...]
Sent: Thursday, March 14, 2002 07:55
To: tvnsp@yahoogroups.com
Subject: [tvnsp] Kenwood and Kantronics

I'm puttng together my notes about TNCs. Jeff can you email what commands you programmed into your KPC 3+ before we launched it into near space?

I'd like to test the Kenwood Data Radio as a near space tracker. John, what commands do you need to program into your radio? Would you be willing to do a ground test of your Kenwood as a near sapce tracker? How about a near space test sometime with a backup tracker? Will the Kenwood transmit any data sent to it? I'm wondering if the CC/PS could format data and then hand it off to the Kenwood for transmission.

Jeff, will you be going with us on the March launch? Will we be sending your camcorder up?

Paul

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2177. RE: [tvnsp] Kenwood and Kantronics

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-15 14:46:33 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2173 Message: 2177

> The KW D7 can be run either in APRS mode or in packet mode. With the APRS
> mode all you need is the NEMA string from a GPS, the rest is defined in
> about 12 menu settings. For packet mode, it functions just as a TNC so
> that you can hook it up to any desired "computer" for TX/RX.
>
> I would be happy to do some surface experiments with you on this.

Great, I'll get with you after I get back.

> By the way, my baby girl was born on Wednesday morning. She and Mom are
> doing great :)

Congrats. I think we've got ourselves some more help (in a few
years).

Paul

2178. RE: [tvnsp] Kenwood and Kantronics

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-15 15:51:02 UTC
From: Tony Barrett
Topic: 2173 Message: 2178
Attachments: 2 described; binary payloads are missing from this source WARC

Congratulations John!

I was wondering if your baby had arrived. Thanks for the report. Its nice
to hear everyone is doing well.

Did she arrive by balloon instead of stork? :-)

Try to get some sleep.

73,

Tony

At 06:59 AM 3/15/02 -0700, you wrote:
>The KW D7 can be run either in APRS mode or in packet mode. With the APRS
>mode all you need is the NEMA string from a GPS, the rest is defined in
>about 12 menu settings. For packet mode, it functions just as a TNC so
>that you can hook it up to any desired "computer" for TX/RX.
>
>I would be happy to do some surface experiments with you on this.
>
>By the way, my baby girl was born on Wednesday morning. She and Mom are
>doing great :)
>
>John "Beaming Dad" Stone
>K7JPS
>
>-----Original Message-----
>From: verhap@... [mailto:verhap@...]
>Sent: Thursday, March 14, 2002 07:55
>To: tvnsp@yahoogroups.com
>Subject: [tvnsp] Kenwood and Kantronics
>
>I'm puttng together my notes about TNCs. Jeff can you email what
>commands you programmed into your KPC 3+ before we launched
>it into near space?
>
>I'd like to test the Kenwood Data Radio as a near space tracker.
>John, what commands do you need to program into your radio?
>Would you be willing to do a ground test of your Kenwood as a
>near sapce tracker? How about a near space test sometime with a
>backup tracker? Will the Kenwood transmit any data sent to it?
>I'm wondering if the CC/PS could format data and then hand it off to
>the Kenwood for transmission.
>

>Jeff, will you be going with us on the March launch? Will we be
>sending your camcorder up?
>
>Paul
>
>
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2179. Project: Traveler to fly again 16 Mar

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-15 20:15:41 UTC
From: Hank Riley
Topic: 2175 Message: 2179

Good luck and do watch out for surface winds.

It's a nuisance, but sometimes if the weather is
not favorable it's best to regroup another day.

Zack, could you tell us if the 40 meter Traveler
net station will be on the air Saturday? Was it
on last week?

I might try to listen tomorrow though it's a long
shot for good copy.

Yahoogroups is down for most of the weekend
remember everyone.

Hank

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2180. Re: [tvnsp] Kenwood and Kantronics

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-15 21:00:37 UTC
From: Jeff Melanson
Topic: 2173 Message: 2180

Paul,

I will retreive the information from the KCP 3+ tomorrow and
send it to you.

I'm not yet sure if I can make the March flight. Are other
capsules ready yet? If other capsules are not ready and if I
can't make the flight then someone can borrow my gear.
How high is this flight expected to go?

Are the new flight prediction procedures in place yet? I
wouldn't want a repeat of our last flight.

Jeff
KD7INN

verhap@... wrote:
>
> I'm puttng together my notes about TNCs. Jeff can you email what
> commands you programmed into your KPC 3+ before we launched
> it into near space?
>
> I'd like to test the Kenwood Data Radio as a near space tracker.
> John, what commands do you need to program into your radio?
> Would you be willing to do a ground test of your Kenwood as a
> near sapce tracker? How about a near space test sometime with a
> backup tracker? Will the Kenwood transmit any data sent to it?
> I'm wondering if the CC/PS could format data and then hand it off to
> the Kenwood for transmission.
>
> Jeff, will you be going with us on the March launch? Will we be
> sending your camcorder up?
>
> Paul
>
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2181. Re: [tvnsp] Kenwood and Kantronics

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-15 21:18:14 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2173 Message: 2181

> I will retreive the information from the KCP 3+ tomorrow and
> send it to you.

Thanks. I'm just about ready to leave for Albuquerque. I'll check
my email when I get back.

> I'm not yet sure if I can make the March flight. Are other
> capsules ready yet? If other capsules are not ready and if I
> can't make the flight then someone can borrow my gear.
> How high is this flight expected to go?

I have a couple more things to do to the capsule. The backup
beacon is ready.

> Are the new flight prediction procedures in place yet? I
> wouldn't want a repeat of our last flight.

John the Elder wrote up some new procedures. John, do you want
to share them online?

Paul

2182. Re: [tvnsp] Kenwood and Kantronics

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-15 21:43:23 UTC
From: John Knapp
Topic: 2173 Message: 2182

Its to early to predict where the capsule will go.
When I start doing predictions I will let everyone
know what I. I hope others do the same thing. I
believe Paul wants the flight to go to 100,000 ft.

John the elder
KD7hgs
--- Jeff Melanson <kd7inn@...> wrote:
> Paul,
>
> I will retreive the information from the KCP 3+
> tomorrow and
> send it to you.
>
> I'm not yet sure if I can make the March flight. Are
> other
> capsules ready yet? If other capsules are not ready
> and if I
> can't make the flight then someone can borrow my
> gear.
> How high is this flight expected to go?
>
> Are the new flight prediction procedures in place
> yet? I
> wouldn't want a repeat of our last flight.
>
> Jeff
> KD7INN
>
> verhap@... wrote:
> >
> > I'm puttng together my notes about TNCs. Jeff can
> you email what
> > commands you programmed into your KPC 3+ before we
> launched
> > it into near space?
> >
> > I'd like to test the Kenwood Data Radio as a near
> space tracker.
> > John, what commands do you need to program into
> your radio?
> > Would you be willing to do a ground test of your
> Kenwood as a
> > near sapce tracker? How about a near space test
> sometime with a

> > backup tracker? Will the Kenwood transmit any
> data sent to it?
> > I'm wondering if the CC/PS could format data and
> then hand it off to
> > the Kenwood for transmission.
> >
> > Jeff, will you be going with us on the March
> launch? Will we be
> > sending your camcorder up?
> >
> > Paul
> >
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2183. Re: [tvnsp] Kenwood and Kantronics

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-15 21:45:15 UTC
From: John Knapp
Topic: 2173 Message: 2183

I will share them when I have me ducks in a row. And
remember to bring them to work. Next week for sure.

John the forgetful elder

--- verhap@... wrote:
> > I will retreive the information from the KCP 3+
> tomorrow and
> > send it to you.
>
> Thanks. I'm just about ready to leave for
> Albuquerque. I'll check
> my email when I get back.
>
> > I'm not yet sure if I can make the March flight.
> Are other
> > capsules ready yet? If other capsules are not
> ready and if I
> > can't make the flight then someone can borrow my
> gear.
> > How high is this flight expected to go?
>
> I have a couple more things to do to the capsule.
> The backup
> beacon is ready.
>
> > Are the new flight prediction procedures in place
> yet? I
> > wouldn't want a repeat of our last flight.
>
> John the Elder wrote up some new procedures. John,
> do you want
> to share them online?
>
> Paul
>

_____
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2184. Re: [tvnsp] Kenwood and Kantronics

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-15 21:40:14 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2173 Message: 2184

TThis flight will be with a 1200 gram, so plan on
85,000 feet. The May flight will be our attempt
to seize the altitude record for Idaho where it belongs.

Paul
> Its to early to predict where the capsule will go.
> When I start doing predictions I will let everyone
> know what I. I hope others do the same thing. I
> believe Paul wants the flight to go to 100,000 ft.
>
> John the elder
> KD7hgs
> --- Jeff Melanson <kd7inn@...> wrote:
> > Paul,
> >
> > I will retreive the information from the KCP 3+
> > tomorrow and
> > send it to you.
> >
> > I'm not yet sure if I can make the March flight. Are
> > other
> > capsules ready yet? If other capsules are not ready
> > and if I
> > can't make the flight then someone can borrow my
> > gear.
> > How high is this flight expected to go?
> >
> > Are the new flight prediction procedures in place
> > yet? I
> > wouldn't want a repeat of our last flight.
> >
> > Jeff
> > KD7INN
> >
> > verhap@... wrote:
> > >
> > > I'm puttng together my notes about TNCs. Jeff can
> > you email what
> > > commands you programmed into your KPC 3+ before we
> > launched
> > > it into near space?
> > >
> > > I'd like to test the Kenwood Data Radio as a near
> > space tracker.
> > > John, what commands do you need to program into

> > your radio?
> > > Would you be willing to do a ground test of your
> > Kenwood as a
> > > near sapce tracker? How about a near space test
> > sometime with a
> > > backup tracker? Will the Kenwood transmit any
> > data sent to it?
> > > I'm wondering if the CC/PS could format data and
> > then hand it off to
> > > the Kenwood for transmission.
> > >
> > > Jeff, will you be going with us on the March
> > launch? Will we be
> > > sending your camcorder up?
> > >
> > > Paul
> > >
> > > To unsubscribe from this group, send an email to:
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> > >
> > >
> > >
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>
>
> ~---~
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> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>

2185. Re: [tvnsp] Project: Traveler to fly again 16 Mar

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-16 00:19:49 UTC
From: Zack Clobes
Topic: 2175 Message: 2185

We plan on being on 7.2535MHz tomorrow assuming it goes up. It will be an "informal net."

As for last Saturday, we were ready but didn't have much to talk about. :-/

Zack Clobes, W0ZC
Project: Traveler
----- Original Message -----
From: Hank Riley
To: tvnsp@yahoogroups.com ; knsp@yahoogroups.com
Sent: Friday, March 15, 2002 12:15 PM
Subject: [tvnsp] Project: Traveler to fly again 16 Mar

Good luck and do watch out for surface winds.

It's a nuisance, but sometimes if the weather is
not favorable it's best to regroup another day.

Zack, could you tell us if the 40 meter Traveler
net station will be on the air Saturday? Was it
on last week?

I might try to listen tomorrow though it's a long
shot for good copy.

Yahoogroups is down for most of the weekend
remember everyone.

Hank

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2186. Flight dates

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-16 05:06:44 UTC
From: n1ltv
Topic: 2186 Message: 2186

I'm looking for days and times for TVNSP launches up until GPSL.

This is to add to the HABLIC listings. It would be good if the TV website could be more fully utilized.

Hank
http://www.geocities.com/n1ltv/hablic.htm

2187. GPSL

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-16 15:41:33 UTC
From: ke4slc
Topic: 2187 Message: 2187

Is there a web page for the Great Plains Super Launch? If so, what is the URL?
It not, Would someone send some links for other ballooning web pages. There are some friends that want info.
Thanks

2188. Re: [tvnsp] GPSL

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-17 17:28:26 UTC
From: Ralph Wallio, W0RPK
Topic: 2187 Message: 2188

The GPSL web page is at http://users.crosspaths.net/~wallio/GPSL2002.html .
URLs for other high altitude ballooning web pages can be found at
http://users.crosspaths.net/~wallio/HABLinks.html .

TNX es 73 de Ralph Wallio, W0RPK
wallio@...
http://members.crosspaths.net/~wallio
Component cost is not the same thing as system cost

----- Original Message -----
From: ke4slc <ke4slc@...>
To: <tvnsp@yahoogroups.com>
Sent: Saturday, March 16, 2002 9:41 AM
Subject: [tvnsp] GPSL

> Is there a web page for the Great Plains Super Launch? If so, what is the
> URL?
> It not, Would someone send some links for other ballooning web pages.
There
> are some friends that want info.
> Thanks

2189. KPC 3+ Settings

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-17 03:51:59 UTC
From: Jeff Melanson
Topic: 2189 Message: 2189

Paul,

Here are the settings I have been using.

ABAUD 9600
BEACON 0 (DISABLED)
BLT 1 E 00:00:30 START 00:00:01
BLT 2 E 00:00:30 START 00:00:16
CD SOFTWARE
CMSG DISC
DIGI OFF
HEADERLINE OFF
GPSHEAD 1 $GPGGA
GPSHEAD 2 $GPRMC
UNPROTO APRS VIA WIDE3-3
LTP 1 GPSPO VIA WIDE3-3
LTP 2 GPSPO VIA WIDE3-3
MYALIAS NONE
MYCALL KD7INN-11
MYREMOTE DISABLED
INTFACE TERMINAL
GPSPORT 4800 NORMAL CHECKSUM
LEDS OFF

Jeff
KD7INN

2190. Re: GPSL

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-17 22:26:01 UTC
From: Hank Riley
Topic: 2187 Message: 2190

> Is there a web page for the Great Plains Super Launch?
> If so, what is the URL?

> It not, would someone send some links for other ballooning
> web pages.

Dan,

In addition to the official GPSL website that Ralph told
told you about, at HABLIC you'll find founder Paul Verhage's
detailed GPSL2002 announcement in plain text and MS Word
formats. GPS2002 looks like it will be a great event.

HABLIC tries to keep up with all the balloon launch notices,
and a website with a complete balloon project website list is
the AMSAT high altitude balloon web page:

http://www.amsat.org/amsat/balloons/balloon.htm

Hank
http://www.geocities.com/n1ltv/hablic.htm

_____
Do You Yahoo!?
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http://sports.yahoo.com/

2191. Project: Traveler 2002a Flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-18 04:09:15 UTC
From: Zack Clobes
Topic: 2191 Message: 2191

I've got most of the post-flight data posted to the website.

www.rckara.org/project_traveler/2002a/

Zack Clobes, W0ZC
Project: Traveler

2192. Re: [tvnsp] Flight dates

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-18 14:57:47 UTC
From: John Knapp
Topic: 2186 Message: 2192

The launch dates are:

March 30
April 20
May 25
No June launch planned at the present time.

If you have any other questions please let me know.

John Knapp
KD7HGS

--- n1ltv <n1ltv@...> wrote:
> I'm looking for days and times for TVNSP launches up
> until GPSL.
>
> This is to add to the HABLIC listings. It would
> be good if the TV website could be more fully
> utilized.
>
> Hank
> http://www.geocities.com/n1ltv/hablic.htm
>
>

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http://sports.yahoo.com/

2193. Re: [tvnsp] Flight dates

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-18 17:33:28 UTC
From: Hank Riley
Topic: 2186 Message: 2193

> The launch dates are:
>
> March 30
> April 20
> May 25
> No June launch planned at the present time.
>
> If you have any other questions please let me know.

John,

Thanks. You didn't give any times.

Is there a launch location established yet for March 30?
Not necessarily the exact spot, but a town name.

Do you know if the payload callsigns and frequencies will
be the same as the last TVNSP launch.

Hank

_____
Do You Yahoo!?
Yahoo! Sports - live college hoops coverage
http://sports.yahoo.com/

2194. Re: [tvnsp] Flight dates

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-18 18:16:02 UTC
From: John Knapp
Topic: 2186 Message: 2194

The launch times are at dawn. The time will vary with
the time of year. The location of the launch may not
be determined until the meeting the night before. It
depends a lot on winds, etc. With having mountains on
the north and south side of the valley, we have to
watch wind direction very closely and be very flexible
in our launch locations. The last launch we tried
several different locations but moved because of wind.
We launched in a flat area about 100 yds. off the
highway.

JohnK
--- Hank Riley <n1ltv@...> wrote:
> > The launch dates are:
> >
> > March 30
> > April 20
> > May 25
> > No June launch planned at the present time.
> >
> > If you have any other questions please let me
> know.
>
> John,
>
> Thanks. You didn't give any times.
>
> Is there a launch location established yet for March
> 30?
> Not necessarily the exact spot, but a town name.
>
> Do you know if the payload callsigns and frequencies
> will
> be the same as the last TVNSP launch.
>
> Hank
>
> _____
> Do You Yahoo!?
> Yahoo! Sports - live college hoops coverage
> http://sports.yahoo.com/
>

_____
Do You Yahoo!?

Yahoo! Sports - live college hoops coverage
http://sports.yahoo.com/

2195. Oklahoma Space Planes site

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-20 00:28:06 UTC
From: Mark Conner
Topic: 2195 Message: 2195

Wayne KE6DZD pointed out this site to me:

http://www.okspaceplanes.com/

This reminds me of an experiment done by some high-school science teachers who visited Purdue for a summer class in meteorology in the
mid-80s. We filled 12" party balloons with helium and attached postcards in sealed bags with a streamer made from white plastic garbage bags to add visibility. The postcards were prepaid and printed with a return address and asked for the location where they were found. The emphasis was on cheap raw materials and something easy to replicate in a high-school classroom.

We used the winds reported from a nearby upper-air station to model where the balloons should go, and different ascent and descent rates and burst altitudes to provide predicted landing sites which we compared to where the balloons were found. As the undergrad research assistant, I got the task of writing up the BASIC program to do the interpolation of the wind data and then the prediction of the flight path.

I think we had about a 10% return rate, maybe less. About 200 were released and maybe 20 were eventually returned.

Sending up 500 planes is probably ambitious for one of our balloon flights - a full ream of paper is pretty heavy and 500 planes would have a lot of bulk. I think we could come up with a mechanism that would cut or release a loop of fishing line that would turn loose the planes at altitude. About 50 is reasonable, and would let a couple of classes participate in a flight. Using colored paper would help visibility too - somebody might actually pick up a flourescent pink paper airplane.

- Mark

2196. Oklahoma Space Planes site

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-19 23:27:48 UTC
From: Mark Conner
Topic: 2195 Message: 2196

http://www.okspaceplanes.com/

This reminds me of an experiment done by some high-school science teachers who visited Purdue for a summer class in meteorology in the mid-80s. We filled 12" party balloons with helium and attached postcards in sealed bags with a streamer made from white plastic garbage bags to add visibility. The postcards were prepaid and printed with a return address and asked for the location where they were found. The emphasis was on cheap raw materials and something easy to replicate in a high-school classroom.

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- Mark

2197. Next Project: Traveler Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-20 05:33:41 UTC
From: Zack Clobes
Topic: 2197 Message: 2197

We're already starting to look forward to our next launch, tentatively scheduled for Thursday 2 May. This launch will be part of our grade school tie-in that we have been working on throughout this school year.

If anyone is available to help track this launch, we could use at least one more chase vehicle to help out with chase and recovery. At this point we have two confirmed chase vehicles (quite possibly a third if we have enough people to stay at the school), but that is subject to change if we had to postpone the launch until Friday or the following week (we're mostly working folk down here).

The payload will be practically identical to last week's launch with APRS on 144.39 and ATV on 434.

Thanks,
Zack Clobes, W0ZC
Project: Traveler

2198. Vehicle/Laptop Power Problems

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-20 22:59:51 UTC
From: Mike Garske
Topic: 2198 Message: 2198

Hello All,

I have spent the last two weeks trying to come up with a solution to a problem I have run into. My Laptop- an IBM ThinkPad 600E, has trouble with the inverter power from my vehicle. I wired up directly to the battery a 300 watt power inverter. I plug the laptop in and the mouse goes crazy when it boots up into Windows. When I power it in the house, it works fine.

I had a thought that the sine wave the inverter put out was not steady enough to give a "clean signal", so I got a UPS to run it though, thinking it might help clean up the 120V. It is a CyberPower 175 watt unit. Of course a new problem cropped up....the UPS thinks there is a ground problem being plugged into the inverter, and refuses to work.....UGH!

Short of pouring excessively more money into this project, any ideas to resolve this are welcome!

I have one more option, and that is to order a DC converter from IBM to run it in the truck ($80)....does that seem to be the only option I have?

Thanks for listening!

Mike KC7DPD

2199. Re: [tvnsp] Vehicle/Laptop Power Problems

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-21 02:00:47 UTC
From: Zack Clobes
Topic: 2198 Message: 2199

At least with the Dell laptops, I think you can get the car adapters a little cheaper on ebay.
ZC
----- Original Message -----
From: Mike Garske
To: tvnsp@yahoogroups.com
Sent: Wednesday, March 20, 2002 2:59 PM
Subject: [tvnsp] Vehicle/Laptop Power Problems

Hello All,

I have spent the last two weeks trying to come up with a solution to a problem I have run into. My Laptop- an IBM ThinkPad 600E, has trouble with the inverter power from my vehicle. I wired up directly to the battery a 300 watt power inverter. I plug the laptop in and the mouse goes crazy when it boots up into Windows. When I power it in the house, it works fine.

I had a thought that the sine wave the inverter put out was not steady enough to give a "clean signal", so I got a UPS to run it though, thinking it might help clean up the 120V. It is a CyberPower 175 watt unit. Of course a new problem cropped up....the UPS thinks there is a ground problem being plugged into the inverter, and refuses to work.....UGH!

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I have one more option, and that is to order a DC converter from IBM to run it in the truck ($80)....does that seem to be the only option I have?

Thanks for listening!

Mike KC7DPD

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2200. Wiring the Alinco DJ-C1

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-21 17:23:10 UTC
From: Mark Conner
Topic: 2200 Message: 2200

I snagged the following from the "Ballooning" e-mail list at Yahoo. I couldn't find any photos of the inside of the DJ-C1, but this is good info for those who might use the Alinco radio for beacons, etc.

- Mark

Message: 1
Date: Wed, 20 Mar 2002 16:29:40 -0700
From: Mike Manes <manes@...>
Subject: Re: EOSS tech questions

Dr. Ebinuma,

Thank you for your inquiry.

EOSS uses the Alinco DJ-C1 2m credit card tranceivers for APRS and beacons, not the DJ-C5. The DJ-C1 antenna circuit includes a matching network between the 50-ohm RF xmit/recv port and the supplied short whip antenna. But there is also an internal 3-pin SIL connector with a jumper which provides access to the 50-ohm port. I suspect that this is used for testing using conventional 50-ohm equipment.

Note that simply connecting a 50-ohm antenna feed to the point where the whip connects will NOT yield specified performance; on the DJ-C1, xmit power to 50 ohms is less than 10 mW.

I hardwired a length of RG-174 coax to that connector to feed a larger and more effective external antenna. Full spec power and rcvr performance in a 50-ohm system appears on that coax. The coax was fed out of the DJ-CI housing thru the hole where the whip was fitted.

EOSS does have a DJ-C5, but it has not yet been modified for flight; I have it open on the desk as we speak. If you remove the rear cover, you will NOT find the 3-pin 0.1" SIL that is used on the DJ-C1. However, there is a very small SMT coax connector in the lower righthand corner which I suspect serves the same test purpose. Comparing its dimensions to those in the Pasternack Enterprises catalog, I think that it may be a standard type SSMB jack.

Unfortunately, I don't have a mating SSMB plug to verify this.

Immediately to the right of that connector, I see what appears to be a manually-applied solder bridge on the trace feeding the center pin of the coax connector; this may serve as the matching network disconnect. Thus by opening this bridge, it may be possible to get

full spec 50-ohm performance at the coax connector.

A mating SSMB connector may be difficult to find, and even more difficult to terminate on flexible coax, even RG-174. If so, then I would recommend that you simply solder-tack the coax to the ground and center pin traces on the PWB.

It may also be useful to know that the DJ-C1 operates quite nicely from +5 Vdc in lieu of the internal Li-ion battery. You may find the same true for the DJ-C5; this allows for much longer operational life than the internal battery can supply (2.5 hr of xmit).

I have taken the liberty of posting this response to a couple of other amateur balloon group reflectors in hopes that someone else has successfully inplemented the modifications that you seek.

Incidentally, is your balloon program operated under the Space Grant College program? If so, perhaps we can meet during the 20 April EOSS flight planned in conjunction with the workshop at CU that week.

Best regards, and good luck with your flights!

Mike Manes W5VSI
Pres. EOSS

2201. RE: [tvnsp] Vehicle/Laptop Power Problems

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-21 20:24:23 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 2198 Message: 2201

Mike,

You might check out CompUSA and similar places, or online, for a Targus (www.targus.com <http://www.targus.com>) adapter. I have a Universal AC Adapter that includes several power tips and it lists the IBM 600 as supported. I kow they also have cigarette lighter adapters, so that might work. Definitely cheaper than the stock adapter for the AC adapter, so I'd assume the lighter adapter would similarly be less than that $80. (IBM is expensive, I know!) Another option might be to check out the IGo (www.igo.com <http://www.igo.com>) web site, see what they have.

If you're willing to try the AC Adapter, this one was about $45 when I got it, but it covers IBM, Toshiba, Compaq units, has built-in Surge Protection and voltage control to match your notebook.

73 de Bill, KC7JSD

-----Original Message-----
From: Mike Garske [mailto:kc7dpd@...]
Sent: Wednesday, March 20, 2002 4:00 PM
To: tvnsp@yahoogroups.com
Subject: [tvnsp] Vehicle/Laptop Power Problems

Hello All,

I have spent the last two weeks trying to come up with a solution to a problem I have run into. My Laptop- an IBM ThinkPad 600E, has trouble with the inverter power from my vehicle. I wired up directly to the battery a 300 watt power inverter. I plug the laptop in and the mouse goes crazy when it boots up into Windows. When I power it in the house, it works fine.

I had a thought that the sine wave the inverter put out was not steady enough to give a "clean signal", so I got a UPS to run it though, thinking it might help clean up the 120V. It is a CyberPower 175 watt unit. Of course a new problem cropped up....the UPS thinks there is a ground problem being plugged into the inverter, and refuses to work.....UGH!

Short of pouring excessively more money into this project, any ideas to resolve this are welcome!

I have one more option, and that is to order a DC converter from IBM to run it in the truck ($80)....does that seem to be the only option I have?

Thanks for listening!

Mike KC7DPD

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2202. RE: [tvnsp] Vehicle/Laptop Power Problems

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-21 20:28:14 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 2198 Message: 2202

Why do you want to run it through an inverter? Is this not a laptop?

How many volts DC does it need?

So.. I probably shouldn't admit this.. but I've run laptops
that require anything from 9-18 Volts DC straight out
of the cigarette lighter and haven't caught anything on fire
yet......

Just open it up enough to see if it has some kind of voltage
regulation circuit... and if it does, verify it has some
method of heat dissipation....

Just get the polarity right :) or you'll be tearing the thing
apart looking for a diode :) :)
Dave

-----Original Message-----
From: BLOHM,BILL (HP-Boise,ex1) [mailto:bill_blohm@...]
Sent: Thursday, March 21, 2002 1:24 PM
To: 'tvnsp@yahoogroups.com'
Subject: RE: [tvnsp] Vehicle/Laptop Power Problems

Mike,

You might check out CompUSA and similar places, or online, for a Targus (
www.targus.com <http://www.targus.com>) adapter. I have a Universal AC
Adapter that includes several power tips and it lists the IBM 600 as
supported. I kow they also have cigarette lighter adapters, so that might
work. Definitely cheaper than the stock adapter for the AC adapter, so I'd
assume the lighter adapter would similarly be less than that $80. (IBM is
expensive, I know!) Another option might be to check out the IGo (
www.igo.com <http://www.igo.com>) web site, see what they have.

If you're willing to try the AC Adapter, this one was about $45 when I got
it, but it covers IBM, Toshiba, Compaq units, has built-in Surge Protection
and voltage control to match your notebook.

73 de Bill, KC7JSD

-----Original Message-----
From: Mike Garske [mailto:kc7dpd@...]
Sent: Wednesday, March 20, 2002 4:00 PM
To: tvnsp@yahoogroups.com
Subject: [tvnsp] Vehicle/Laptop Power Problems

Hello All,

I have spent the last two weeks trying to come up with a solution to a problem I have run into. My Laptop- an IBM ThinkPad 600E, has trouble with the inverter power from my vehicle. I wired up directly to the battery a 300 watt power inverter. I plug the laptop in and the mouse goes crazy when it boots up into Windows. When I power it in the house, it works fine.

I had a thought that the sine wave the inverter put out was not steady enough to give a "clean signal", so I got a UPS to run it though, thinking it might help clean up the 120V. It is a CyberPower 175 watt unit. Of course a new problem cropped up....the UPS thinks there is a ground problem being plugged into the inverter, and refuses to work.....UGH!

Short of pouring excessively more money into this project, any ideas to resolve this are welcome!

I have one more option, and that is to order a DC converter from IBM to run it in the truck ($80)....does that seem to be the only option I have?

Thanks for listening!

Mike KC7DPD

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2203. Re: RE: [tvnsp] Vehicle/Laptop Power Problems

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-21 21:10:22 UTC
From: Mark Conner
Topic: 2198 Message: 2203

"RITZENTHALER,DAVID (HP-Boise,ex1)" <david_ritzenthaler@...> said:
> So.. I probably shouldn't admit this.. but I've run laptops
> that require anything from 9-18 Volts DC straight out
> of the cigarette lighter and haven't caught anything on fire
> yet......

Hmm. My Toshiba wants 18V from the AC adapter - I suppose that's to provide headroom for charging the 10.8V battery. Dunno what would happen if I fed it only 12V or 13.8V and am too chicken to find out.

I have two different inverters that I use - a 140W one and a 300W one. Both work fine with my laptop.

Since Mike's UPS and laptop both don't like his inverter, I wonder if the problem lies with the inverter. Mike, can you borrow a different inverter to try to see if you have better luck? Inverters are generally cheaper than other DC converters and have more uses.

- Mark

2204. RE: RE: [tvnsp] Vehicle/Laptop Power Problems

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-21 21:25:23 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 2198 Message: 2204

You only need voltage that is about 1 volt higher than the
desired regulated voltage... pick up a voltage regulator
that puts out 10.5 to 11 volts and use the cigarette lighter!
:)

Works out nicely.. I imagine from the car you'd get 12.4 to 13.8 volts
just regulate it to 10.8V

:) DC to DC much nicer than DC to AC to DC :)

Just my 2bits worth. :)

-----Original Message-----
From: Mark Conner [mailto:n9xtn@...]
Sent: Thursday, March 21, 2002 2:10 PM
To: tvnsp@yahoogroups.com
Subject: Re: RE: [tvnsp] Vehicle/Laptop Power Problems

"RITZENTHALER,DAVID (HP-Boise,ex1)" <david_ritzenthaler@...> said:
> So.. I probably shouldn't admit this.. but I've run laptops
> that require anything from 9-18 Volts DC straight out
> of the cigarette lighter and haven't caught anything on fire
> yet......

Hmm. My Toshiba wants 18V from the AC adapter - I suppose that's to
provide headroom for charging the 10.8V battery. Dunno what would
happen if I fed it only 12V or 13.8V and am too chicken to find out.

I have two different inverters that I use - a 140W one and a 300W one.
Both work fine with my laptop.

Since Mike's UPS and laptop both don't like his inverter, I wonder if
the problem lies with the inverter. Mike, can you borrow a different
inverter to try to see if you have better luck? Inverters are
generally cheaper than other DC converters and have more uses.

- Mark

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2205. Re: RE: [tvnsp] Vehicle/Laptop Power Problems

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-21 23:34:00 UTC
From: Mike Garske
Topic: 2198 Message: 2205

Thanks for all the suggestions everyone, I am probably going to look for the DC converter for the cigarette lighter power point I have in my truck.....and just for good measure I am probably going to buy a new battery for it.....the Lithium Ion that came with it when I bought it used is completely shot......That should cover my bases in time for the next launch!

By the way, this is the second inverter I have tried with the laptop, but the first with the UPS combo.

Bill (KC7JSD), What are your hours on Monday or Tuesday? I would still be curious if that AC adapter you have would work....let me know!

Thanks again!

Mike KC7DPD
----- Original Message -----
From: RITZENTHALER,DAVID (HP-Boise,ex1)
To: 'tvnsp@yahoogroups.com'
Sent: Thursday, March 21, 2002 2:25 PM
Subject: RE: RE: [tvnsp] Vehicle/Laptop Power Problems

You only need voltage that is about 1 volt higher than the
desired regulated voltage... pick up a voltage regulator
that puts out 10.5 to 11 volts and use the cigarette lighter!
:)

Works out nicely.. I imagine from the car you'd get 12.4 to 13.8 volts
just regulate it to 10.8V

:) DC to DC much nicer than DC to AC to DC :)

Just my 2bits worth. :)

-----Original Message-----
From: Mark Conner [mailto:n9xtn@...]
Sent: Thursday, March 21, 2002 2:10 PM
To: tvnsp@yahoogroups.com
Subject: Re: RE: [tvnsp] Vehicle/Laptop Power Problems

"RITZENTHALER,DAVID (HP-Boise,ex1)" <david_ritzenthaler@...> said:
> So.. I probably shouldn't admit this.. but I've run laptops
> that require anything from 9-18 Volts DC straight out
> of the cigarette lighter and haven't caught anything on fire
> yet......

Hmm. My Toshiba wants 18V from the AC adapter - I suppose that's to
provide headroom for charging the 10.8V battery. Dunno what would
happen if I fed it only 12V or 13.8V and am too chicken to find out.

I have two different inverters that I use - a 140W one and a 300W one.
Both work fine with my laptop.

Since Mike's UPS and laptop both don't like his inverter, I wonder if
the problem lies with the inverter. Mike, can you borrow a different
inverter to try to see if you have better luck? Inverters are
generally cheaper than other DC converters and have more uses.

- Mark

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2206. Re: RE: [tvnsp] Vehicle/Laptop Power Problems

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-22 01:44:11 UTC
From: Zack Clobes
Topic: 2198 Message: 2206

We've run an old Winbook directly off of a 12V battery. It always shows the battery status as being about half scale, but other than that it works perfectly. I definitely wouldn't leave it plugged in while starting the car though (lots of voltages spikes from the starter.. but I've never seen them damage anything).
Zack
----- Original Message -----
From: RITZENTHALER,DAVID (HP-Boise,ex1)
To: 'tvnsp@yahoogroups.com'
Sent: Thursday, March 21, 2002 1:25 PM
Subject: RE: RE: [tvnsp] Vehicle/Laptop Power Problems

You only need voltage that is about 1 volt higher than the
desired regulated voltage... pick up a voltage regulator
that puts out 10.5 to 11 volts and use the cigarette lighter!
:)

Works out nicely.. I imagine from the car you'd get 12.4 to 13.8 volts
just regulate it to 10.8V

:) DC to DC much nicer than DC to AC to DC :)

Just my 2bits worth. :)

-----Original Message-----
From: Mark Conner [mailto:n9xtn@...]
Sent: Thursday, March 21, 2002 2:10 PM
To: tvnsp@yahoogroups.com
Subject: Re: RE: [tvnsp] Vehicle/Laptop Power Problems

"RITZENTHALER,DAVID (HP-Boise,ex1)" <david_ritzenthaler@...> said:
> So.. I probably shouldn't admit this.. but I've run laptops
> that require anything from 9-18 Volts DC straight out
> of the cigarette lighter and haven't caught anything on fire
> yet......

Hmm. My Toshiba wants 18V from the AC adapter - I suppose that's to
provide headroom for charging the 10.8V battery. Dunno what would
happen if I fed it only 12V or 13.8V and am too chicken to find out.

I have two different inverters that I use - a 140W one and a 300W one.
Both work fine with my laptop.

Since Mike's UPS and laptop both don't like his inverter, I wonder if
the problem lies with the inverter. Mike, can you borrow a different
inverter to try to see if you have better luck? Inverters are
generally cheaper than other DC converters and have more uses.

- Mark

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2207. Re: RE: [tvnsp] Vehicle/Laptop Power Problems

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-22 03:42:01 UTC
From: Bill Herrmann
Topic: 2198 Message: 2207

At 05:44 PM 3/21/02 -0800, you wrote:
>We've run an old Winbook directly off of a 12V battery.

You want to be a little careful about running 'em directly if you have them plugged into other gear powered from the same source. Some laptops (especially HP Omnibooks) use positive ground and it can create a ground loop that will fry your serial port.

If it were me I would at the very least hook just the laptop to the 12V source and measure the voltage between the chassis and the negative side of the battery. If it's anything other than zero you need some type of isolation. I'd also suggest measuring the voltage on the data ground. (Pin 7 on a DB25 - don't remember on a DB9)

Note: If frame ground is your only problem you MIGHT be able to get away with it if you are sure that your RS232 cable is properly built. Frame ground in an RS232 cable is only supposed to be connected on one end. Unfortunately, many are connected on both. Worse yet, some connect frame ground to the data ground.

Bill

2208. RE: [tvnsp] Vehicle/Laptop Power Problems

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-22 15:50:51 UTC
From: Hank Riley
Topic: 2198 Message: 2208

> I have a Universal AC
> Adapter that includes several power tips and it lists the
> IBM 600 as supported. I kow they also have cigarette
> lighter adapters, so that might work.

This is for Mike: Just what does the IBM need for voltage(s)
and current(s)?

Have you thought of making your own adapter circuit?

Hank

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Yahoo! Movies - coverage of the 74th Academy Awards?
http://movies.yahoo.com/

2209. Oklahoma Space Planes balloon platform said to use 145.39 MHz

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-23 03:13:57 UTC
From: n1ltv
Topic: 2209 Message: 2209

I spoke today with Natalie Vollrath of JPAerospace.
She's a very new ham, but this is what she has for us
so far. It's got to be APRS, but it's not the usual
144.39 if this information is accurate.

Hank

So far, the winds for the flight tomorrow aren't
looking very promising at the moment, and they predict
snow for Sunday. We'll still be here at 4am tomorrow
to prep, hoping for the best. Estimated launch time is
6:30am Central. The frequency of the beacon we are
flying is 145.390

2210. Re: [tvnsp] Oklahoma Space Planes balloon platform said to use 145.39 MHz

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-23 17:23:46 UTC
From: Randy Farley
Topic: 2209 Message: 2210

Hank
Can you enlighten us what they are doing with this frequency.
I have not followed this group. Guess i am in the dark.
Just wondering since this is a repeater frequency. One of our club
repeaters happens to be on this frequency (145.390)

n1ltv wrote:
>
> I spoke today with Natalie Vollrath of JPAerospace.
> She's a very new ham, but this is what she has for us
> so far. It's got to be APRS, but it's not the usual
> 144.39 if this information is accurate.
>
> Hank
> ------------------------
>
> So far, the winds for the flight tomorrow aren't
> looking very promising at the moment, and they predict
> snow for Sunday. We'll still be here at 4am tomorrow
> to prep, hoping for the best. Estimated launch time is
> 6:30am Central. The frequency of the beacon we are
> flying is 145.390
>
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--
Regards,

Randy Farley
N7GPS -Ham Call-
Find Me at: http://map.findu.com/n7gps*

2211. Meeting tommorrow

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-24 00:03:25 UTC
From: Mike Garske
Topic: 2211 Message: 2211

Reminder for the TVNSP, the meeting at the Hobbytown at Cole & Ustick in Boise is still on! The main topic will probably be next weeks launch......be there at 2:00pm!

Mike KC7DPD

2212. Proposed Prediction Procedures

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-24 18:28:00 UTC
From: K7JPS - John
Topic: 2212 Message: 2212
Attachments: 2 described; binary payloads are missing from this source WARC

Attached are the procedures for flight predictions / launch site selection. Also there is a worksheet for recording flight variables to assist in selecting the launch and predicted landing sites.

I will bring copies of these to the meeting this afternoon.

Thank you John the Elder, KD7HGS for developing these, and hope you get your PC set up so that you can post again.

John Stone
K7JPS

2213. I is back

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-26 21:36:16 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2213 Message: 2213

Well, back from Albuquerque. That added another 2850 miles to the car. Hope to have nice pictures to show.

I met with seven balloon people at the conference, which wasn't as well attended as they expected. I also visited the One Stop Satellite Solutions out of Weber State. They may give a presentation at the GPSL 2002 symposium. When we get together on Friday, I need to bounce a cubesat idea off of everyone.

Looking at the MRF, winds are predicted to be favorable for a Saturday launch. The jet stream will be north of us, with winds from the east, northeast. Low's should be around 45 and highs around 75.

After talking to Dr. Bird at the conference, I think we'll try formalizing the preflight dinner a little more. Dr. Bird's satellite engineering class had a problem with people making last minute changes to the capsules the night before a launch. So he held a Flight Readiness Review (FRR) the night before launch. At that time the capsule design was fixed, with no more changes allowed. I'm thinking we may incorporate that into our Friday dinners and include the final flight prediction, nominal driving routes, chase teams, etc.

Inputs?

Paul

2214. Re: [tvnsp] I is back

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-27 00:16:18 UTC
From: Randy Farley
Topic: 2213 Message: 2214

verhap@... wrote:
<snip>

Paul

Welcome back. It was getting a little boring around here without
the great balloon guru.

I like the idea of the (FRR). I felt we were a little to lax in our
prepartation plans sometimes. I know its a hobby, but there are some
expensive toys being launched. None of them are mine yet,but i know i
would have a thorough check of all hardware and software being used
for
launch.

All chase crews need to be just as prepared as the flight systems.
It dont do no good to fly if you can't recover. We can talk about all
this at the meeting. Can't wait for the first flight now.

"Idaho mountains,mud and snow,here we come" ;)

PS, chase crews should update their SA+ to version 2.00 or newer(2.09
being the newest). It has a new feature that could be useful if
(heaven forbid) we loose signal. Also it is easier to help each other
if we all have the same sheet of music to work from. Besides,the newer
versions are smoother running on older laptop systems.

> After talking to Dr. Bird at the conference, I think we'll try
> formalizing the preflight dinner a little more. Dr. Bird's satellite
> engineering class had a problem with people making last minute
> changes to the capsules the night before a launch. So he held a
> Flight Readiness Review (FRR) the night before launch. At that
> time the capsule design was fixed, with no more changes allowed.
> I'm thinking we may incorporate that into our Friday dinners and
> include the final flight prediction, nominal driving routes, chase
> teams, etc.
>
> Inputs?
>
> Paul
>
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--
Regards,

Randy Farley
N7GPS -Ham Call-
Find Me at: http://map.findu.com/n7gps*

2215. Re: [tvnsp] I is back

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-27 00:20:19 UTC
From: Mike Garske
Topic: 2213 Message: 2215

Good to hear that you are back, Paul! I am ready to pick up the He tanks on Friday, let me know when there is money in the TVNSP account. I am having a few glitches in my tracking system, but I hope to have them resolved by flight time.

Mike KC7DPD
----- Original Message -----
From: <verhap@...>
To: <tvnsp@yahoogroups.com>
Sent: Tuesday, March 26, 2002 2:36 PM
Subject: [tvnsp] I is back

> Well, back from Albuquerque. That added another 2850 miles to
> the car. Hope to have nice pictures to show.
>
> I met with seven balloon people at the conference, which wasn't as
> well attended as they expected. I also visited the One Stop
> Satellite Solutions out of Weber State. They may give a
> presentation at the GPSL 2002 symposium. When we get
> together on Friday, I need to bounce a cubesat idea off of everyone.
>
> Looking at the MRF, winds are predicted to be favorable for a
> Saturday launch. The jet stream will be north of us, with winds
> from the east, northeast. Low's should be around 45 and highs
> around 75.
>
> After talking to Dr. Bird at the conference, I think we'll try
> formalizing the preflight dinner a little more. Dr. Bird's satellite
> engineering class had a problem with people making last minute
> changes to the capsules the night before a launch. So he held a
> Flight Readiness Review (FRR) the night before launch. At that
> time the capsule design was fixed, with no more changes allowed.
> I'm thinking we may incorporate that into our Friday dinners and
> include the final flight prediction, nominal driving routes, chase
> teams, etc.
>
> Inputs?
>
> Paul
>
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2216. TV02A Pre-Launch Dinner / Flight Readiness Review

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-27 04:05:35 UTC
From: K7JPS - John
Topic: 2216 Message: 2216

I have reserved the Jade Garden Banquet Facilities for 6 pm Friday Night it is listed under my name and TVNSP. The address is 1514 Caldwell Blvd. Nampa. This is just east of Karcher Rd, across from the Karcher Mall. We will use 147.240 as the talk-in Freq.

Driving directions from Ontario. Take the Flying J exit #29 and turn right. Make a left on 21st street and go to the second stop light. Make a left on Cleveland Blvd (which becomes Caldwell Blvd) and go 5.5 miles to the Jade Garden. It will be on your left.

Driving directions from Boise. Take the Sugar Beet exit #35 and turn left. Take Nampa Blvd. to Caldwell Blvd. and make a right. Go 1.75 miles to the Jade Garden. It will be on your right. ** A NOTE for those who usually take Karcher Rd. to the Blvd. Karcher is closed from Midland to the Blvd for road work. **

Paul, I would like some more details on the manifest so that I can get the checklist updated for this flight. Also, could I have the particulars on the balloon envelope we are using this time, so that I can try my hand at LiftWin. I believe it is a 1200g balloon and that we are expecting a burst of 85,000 ft. I am using 1000 fpm assent and 1200 fpm decent.

John "Checklist" Stone
K7JPS

2217. Re: TV02A Pre-Launch Dinner / Flight Readiness Review

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-27 05:55:31 UTC
From: kd7pit
Topic: 2216 Message: 2217

Just wanted to add an update. The section of Karcher Rd between Midland and the Blvd was open today but the sign were still around. I don't know if they stopped for good or temporary. I use this road regularly so I'll try to post road reports all the way til Friday night. Hope this helps out.

Justin Formolo, KD7PIT

--- In tvnsp@y..., "K7JPS - John" <k7jps@a...> wrote:
> I have reserved the Jade Garden Banquet Facilities for 6 pm Friday Night it
> is listed under my name and TVNSP. The address is 1514 Caldwell Blvd.
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> Driving directions from Ontario. Take the Flying J exit #29 and turn right.
> Make a left on 21st street and go to the second stop light. Make a left on
> Cleveland Blvd (which becomes Caldwell Blvd) and go 5.5 miles to the Jade
> Garden. It will be on your left.
>
> Driving directions from Boise. Take the Sugar Beet exit #35 and turn left.
> Take Nampa Blvd. to Caldwell Blvd. and make a right. Go 1.75 miles to the
> Jade Garden. It will be on your right. ** A NOTE for those who usually
> take Karcher Rd. to the Blvd. Karcher is closed from Midland to the Blvd
> for road work. **
>
> Paul, I would like some more details on the manifest so that I can get the
> checklist updated for this flight. Also, could I have the particulars on the
> balloon envelope we are using this time, so that I can try my hand at
> LiftWin. I believe it is a 1200g balloon and that we are expecting a burst
> of 85,000 ft. I am using 1000 fpm assent and 1200 fpm decent.
>

> John "Checklist" Stone
> K7JPS

2218. Re: [tvnsp] TV02A Pre-Launch Dinner / Flight Readiness Review

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-27 06:21:20 UTC
From: Bill Herrmann
Topic: 2216 Message: 2218

At 09:05 PM 3/26/02 -0700, you wrote:
>I have reserved the Jade Garden Banquet Facilities for 6 pm Friday Night it
>is listed under my name and TVNSP. The address is 1514 Caldwell Blvd.
>Nampa. This is just east of Karcher Rd, across from the Karcher Mall. We
>will use 147.240 as the talk-in Freq.

It is unlikely I'll be able to make either planning meeting or launch but I
will commit to making sure that my home APRS station is up and capturing
data plus set up to IGate.

Bill

2219. well so much for the 30th.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-27 15:02:13 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 2219 Message: 2219

My wife's car lost 3rd gear last weekend in McCall while we were on vacation... she lives in Pullman WA.... so I've been spending all my free time this week checking it out (The car is worth 2100 to 3300 and the transmission will cost 1900 to fix). So I've bought her a new car.... and now I have to drive it up there this weekend.

I'm bummed out, I totally had the 30th locked out on my calendar... Now my truck (with all my radio gear/APRS etc) is with my wife....

Catch you guys on the next one I guess :)

Dave

-----Original Message-----
From: K7JPS - John [mailto:k7jps@...]
Sent: Tuesday, March 26, 2002 9:06 PM
To: TVNSP - Treasure Valley Near Space Program
Subject: [tvnsp] TV02A Pre-Launch Dinner / Flight Readiness Review

I have reserved the Jade Garden Banquet Facilities for 6 pm Friday Night it is listed under my name and TVNSP. The address is 1514 Caldwell Blvd. Nampa. This is just east of Karcher Rd, across from the Karcher Mall. We will use 147.240 as the talk-in Freq.

Driving directions from Ontario. Take the Flying J exit #29 and turn right. Make a left on 21st street and go to the second stop light. Make a left on Cleveland Blvd (which becomes Caldwell Blvd) and go 5.5 miles to the Jade Garden. It will be on your left.

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John "Checklist" Stone
K7JPS

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<http://us.adserver.yahoo.com/l?M=217097.1902236.3412362.1261774/D=egroupmail/S=1705083281:HM/A=999859/rand=934469563>

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2220. Re: TV02A Pre-Launch Dinner / Flight Readiness Review

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-27 17:20:10 UTC
From: Hank Riley
Topic: 2216 Message: 2220

> Paul, I would like some more details on the manifest so that
> I can get the checklist updated for this flight.

> Also, could I have the particulars on the balloon envelope we
> are using this time, so that I can try my hand at LiftWin.
> I believe it is a 1200g balloon and that we are expecting a
> burst of 85,000 ft. I am using 1000 fpm assent and 1200 fpm
> decent.

John,

There is a slight inconsistency in LIFTWIN which needs to
be fixed. According to Murphy's Law, it only affects the
1000 and 1200 gram balloons, the most popular sizes.

LIFTWIN matches Kaymont characteristics for those ballons,
but those characteristics that have been revised by Kaymont.
The end result is that for the 1000g and 1200g sizes the
altitude is a little low.

The early start to this balloon season has caught me off
guard with a corrected LIFTWIN, but I have a corrected copy
already working so I can get you the right max. altitude.

Even better I'll email you a corrected LIFTWIN that may not
be suitable for wide distribution, but will be okay in a pinch
for this launch.

All LIFTWIN results are correct on all sizes except
1000g and 1200g, and for those sizes all results are
correct except max altitude and those which depend in turn
on max altitude, like time to burst.

For an idea of the size of the difference, if LIFTWIN says 85K
for a 1000g or 1200g, it's more like 95K feet.

Hank

_____
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http://movies.yahoo.com/

2221. Re: [tvnsp] Re: TV02A Pre-Launch Dinner / Flight Readiness Review

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-27 20:39:40 UTC
From: Zack Clobes
Topic: 2216 Message: 2221

FYI - We just hit 98,600 with 240cu ft of helium and a Kaymont 1200g.
Zack
----- Original Message -----
From: "Hank Riley" <n1ltv@...>
To: <tvnsp@yahoogroups.com>
Sent: Wednesday, March 27, 2002 9:20 AM
Subject: [tvnsp] Re: TV02A Pre-Launch Dinner / Flight Readiness Review

> > Paul, I would like some more details on the manifest so that
> > I can get the checklist updated for this flight.
>
> > Also, could I have the particulars on the balloon envelope we
> > are using this time, so that I can try my hand at LiftWin.
> > I believe it is a 1200g balloon and that we are expecting a
> > burst of 85,000 ft. I am using 1000 fpm assent and 1200 fpm
> > decent.
>
> John,
>
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> be fixed. According to Murphy's Law, it only affects the
> 1000 and 1200 gram balloons, the most popular sizes.
>
> LIFTWIN matches Kaymont characteristics for those ballons,
> but those characteristics that have been revised by Kaymont.
> The end result is that for the 1000g and 1200g sizes the
> altitude is a little low.
>
> The early start to this balloon season has caught me off
> guard with a corrected LIFTWIN, but I have a corrected copy
> already working so I can get you the right max. altitude.
>
> Even better I'll email you a corrected LIFTWIN that may not
> be suitable for wide distribution, but will be okay in a pinch
> for this launch.
>
> All LIFTWIN results are correct on all sizes except
> 1000g and 1200g, and for those sizes all results are
> correct except max altitude and those which depend in turn
> on max altitude, like time to burst.
>
> For an idea of the size of the difference, if LIFTWIN says 85K
> for a 1000g or 1200g, it's more like 95K feet.
>
> Hank

>
>
> ---
> Do You Yahoo!?
> Yahoo! Movies - coverage of the 74th Academy Awards?
> http://movies.yahoo.com/
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>

2222. Re: [tvnsp] I is back

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-27 20:37:00 UTC
From: John Knapp
Topic: 2213 Message: 2222

When did 2.09 come out. I was out there yesterday and
the newest version I saw was 2.07. And I am having
problems getting it installed, will work on it this
evening.

Paul, I agree with you on the Friday night meeting.
Chase and recovery is as important as launch. So far
our chase was been fair, but it is nice to be able to
have things as organized as possible. I have not been
able to check the MRF yet, will do so as soon as I
can.

John the elder
KD7HGS
--- Randy Farley <rdfarley@...> wrote:
>
>
> verhap@... wrote:
> <snip>
>
> Paul
>
> Welcome back. It was getting a little boring around
> here without
> the great balloon guru.
>
> I like the idea of the (FRR). I felt we were a
> little to lax in our
> prepartation plans sometimes. I know its a hobby,
> but there are some
> expensive toys being launched. None of them are mine
> yet,but i know i
> would have a thorough check of all hardware and
> software being used
> for
> launch.
>
> All chase crews need to be just as prepared as the
> flight systems.
> It dont do no good to fly if you can't recover. We
> can talk about all
> this at the meeting. Can't wait for the first flight
> now.
>
> "Idaho mountains,mud and snow,here we come" ;)

>
> PS, chase crews should update their SA+ to version
> 2.00 or newer(2.09
> being the newest). It has a new feature that could
> be useful if
> (heaven forbid) we loose signal. Also it is easier
> to help each other
> if we all have the same sheet of music to work from.
> Besides,the newer
> versions are smoother running on older laptop
> systems.
>
>
> > After talking to Dr. Bird at the conference, I
> think we'll try
> > formalizing the preflight dinner a little more.
> Dr. Bird's satellite
> > engineering class had a problem with people making
> last minute
> > changes to the capsules the night before a launch.
> So he held a
> > Flight Readiness Review (FRR) the night before
> launch. At that
> > time the capsule design was fixed, with no more
> changes allowed.
> > I'm thinking we may incorporate that into our
> Friday dinners and
> > include the final flight prediction, nominal
> driving routes, chase
> > teams, etc.
> >
> > Inputs?
> >
> > Paul
> >
> >
> > To unsubscribe from this group, send an email to:
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> >
> >
> >
> > Your use of Yahoo! Groups is subject to
> http://docs.yahoo.com/info/terms/
>
> --
> Regards,
>
> Randy Farley
> N7GPS -Ham Call-
> Find Me at: http://map.findu.com/n7gps*

>

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http://movies.yahoo.com/

2223. Re: [tvnsp] I is back

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-27 20:55:33 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2213 Message: 2223

> Good to hear that you are back, Paul! I am ready to pick up the He tanks on
> Friday, let me know when there is money in the TVNSP account. I am having a
> few glitches in my tracking system, but I hope to have them resolved by
> flight time.

Doug put some money in the account. Doug can you confirm this?

By the way, I made a sale in Albuquerque. We have another $2.50
in the account. I'll drop it off at the next VOI meeting.

Paul

2224. Re: [tvnsp] TV02A Pre-Launch Dinner / Flight Readiness Review

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-27 21:00:46 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2216 Message: 2224

> I have reserved the Jade Garden Banquet Facilities for 6 pm Friday Night

You beat me to it.

> Paul, I would like some more details on the manifest so that I can get the
> checklist updated for this flight. Also, could I have the particulars on the
> balloon envelope we are using this time, so that I can try my hand at
> LiftWin. I believe it is a 1200g balloon and that we are expecting a burst
> of 85,000 ft. I am using 1000 fpm assent and 1200 fpm decent.

Umm, I need to ask if we got the balloon yet. Doug, do you have
the balloon?

The manifest for TV02A is as follows

Geiger Counter Telescope (nothing to turn on, other than the main
power switches)
Digital Camera on scan platform (open camera, switch is on the
back)

Inside the capsule we need to turn on the GPS

There are three switches on the capsule, main power, HT, and
servo.

There is a backup beacon on the parachute. We'll need to turn on
the GPS and HT. There are two additional switches, one for the
Tiny Trak and the other for the audio beacon. I recommend we turn
on the audio baecon last.

Jeff, are we carrying you camcorder up?

2225. (Fwd) ATVQ Spring issue

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-27 21:13:44 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2225 Message: 2225

I got this message from Gene. I'm forwarding it to the group in an effort to increase the level of shame amongst Team TVNSP. Remember my request that we write articles for ATVQ about how to operate a near space program? Well the sacred cows have come home to roost and it's time we send Gene the next installment. By the way, I had a very nice dinner last night at the Outback Steakhouse courtesy of my payment from ATVQ.

Professional behavior won't let me say who offered to write up an article, but his name did begin with the word, "Mike".

On a more serious side.....
Does anyone have an article they'd like to submit? Can you have one ready ASAP? If the article is at least two pages long (and this includes diagrams and photos), Gene will pay $25 for the article.

Paul "Don't make me buy another steak dinner" Verhage

------- Forwarded Message Follows -------
From: "Gene Harlan" <atvq@...>
To: "Paul Verhage - KD4STH" <verhap@...>
Subject: ATVQ Spring issue
Date sent: Sat, 16 Mar 2002 18:11:35 -0600

Hi Paul,

Are you planning for a follow-up article for the next issue? I will need it soon, if so.

Let me know. Hope to see something, like start of a series!

Gene Harlan - WB9MMM
Harlan Technologies - publishers of:
Amateur Television Quarterly
ATVQ@...
OSCAR Satellite Report
OSR@...
http://www.hampubs.com

2226. Contacting Me

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-27 21:31:48 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2226 Message: 2226

They're waxing floors tomorrow, so I can't come to the office to check email. If you need to contact me today or Thursday, please call my cell. 631-7162.

Another request for ATVQ articles. I know that barbeque chicken and ribs dinner I enjoyed last night wasn't the healthiest meal I've enjoyed. So please spare me the increased risks to my health and write an article.

The article I sent to Gene was just an overview. We need to send articles on specific topics. We want to cover the procedures required to launch a near space flight in enough detail that other groups can try to launch one of their own.

Paul

2227. Launch priorities

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-27 21:50:44 UTC
From: Hank Riley
Topic: 2225 Message: 2227

--- verhap@... wrote:

> I got this message from Gene. I'm forwarding it to
> the group in an effort to increase the level of shame
> amongst Team TVNSP.

> Remember my request that we write articles for ATVQ
> about how to operate a near space program?

My own opinion is that there are bigger priorities with
the TVNS itself than with ATV magazine.

The TVNSP website could much more current material, and the more
formal launch procedures and landing predictions recently
adopted are rendered less useful if the composition of the
payload and its weight are still up in the air just a few days
to launch, not to mention what size balloon is being used.

Hank

_____
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http://movies.yahoo.com/

2228. Re: [tvnsp] Launch priorities

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-27 21:55:59 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2225 Message: 2228

> The TVNSP website could much more current material, and the more
> formal launch procedures and landing predictions recently
> adopted are rendered less useful if the composition of the
> payload and its weight are still up in the air just a few days
> to launch, not to mention what size balloon is being used.

I probably won't be able to update the pages during break.

However we should have a 1200 gram balloon. The payload weight
will be around 12 pounds. Add an additional 1.5 pounds for the
parachute. The backup beacon will be a part of the recovery
system, so add another 1 pound for it.

2229. Re: [tvnsp] Launch priorities

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-27 22:09:00 UTC
From: Hank Riley
Topic: 2225 Message: 2229

> The TVNSP website could use much more current material

"use" was left out before.

The flight's composition should be decided and disseminated
at least a week before a launch so that items such as path
projections can be *brought* to a flight-readiness review.

Without those items being prepared beforehand, the FRR is
really not much use.

Hank

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http://movies.yahoo.com/

2230. Re: [tvnsp] I is back

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-27 23:22:06 UTC
From: Randy Farley
Topic: 2213 Message: 2230

John

Version 2.09 came out last week. Your v. 2.07 is close enough to
for our purposes. The menu and tab layout of the programs are the
same. I just thought it would be nice if everyone got past the old
V199 series which i recall some members still had from last season.
It just makes it easier to help a fellow chase crew member when they
ask "What button or tab do i click to get the latest report from the
balloon".
Im exagerating of course, but you get my drift.

I'm the type that likes to have the latest and greatest
updates,especially if
i paid good money for it. I also always keep the last good working
copy in case
the newest one bugs out. Always good to have backup software along
with the hardware.

If you want the newest version,just update your old one with the
GPS209.zip
and one patch file Patches.P209. If you have problems,i can bring
laptop
to dinner and help. Or call me on the land line anytime.

John Knapp wrote:
>
> When did 2.09 come out. I was out there yesterday and
> the newest version I saw was 2.07. And I am having
> problems getting it installed, will work on it this
> evening.
>
> Paul, I agree with you on the Friday night meeting.
> Chase and recovery is as important as launch. So far
> our chase was been fair, but it is nice to be able to
> have things as organized as possible. I have not been
> able to check the MRF yet, will do so as soon as I
> can.
>
> John the elder
> KD7HGS
> --- Randy Farley <rdfarley@...> wrote:
> >
> >
> > verhap@... wrote:
> > <snip>
> >

> > Paul
> >
> > Welcome back. It was getting a little boring around
> > here without
> > the great balloon guru.
> >
> > I like the idea of the (FRR). I felt we were a
> > little to lax in our
> > prepartation plans sometimes. I know its a hobby,
> > but there are some
> > expensive toys being launched. None of them are mine
> > yet,but i know i
> > would have a thorough check of all hardware and
> > software being used
> > for
> > launch.
> >
> > All chase crews need to be just as prepared as the
> > flight systems.
> > It dont do no good to fly if you can't recover. We
> > can talk about all
> > this at the meeting. Can't wait for the first flight
> > now.
> >
> > "Idaho mountains,mud and snow,here we come" ;)
> >
> > PS, chase crews should update their SA+ to version
> > 2.00 or newer(2.09
> > being the newest). It has a new feature that could
> > be useful if
> > (heaven forbid) we loose signal. Also it is easier
> > to help each other
> > if we all have the same sheet of music to work from.
> > Besides,the newer
> > versions are smoother running on older laptop
> > systems.
> >
> >
> > > After talking to Dr. Bird at the conference, I
> > think we'll try
> > > formalizing the preflight dinner a little more.
> > Dr. Bird's satellite
> > > engineering class had a problem with people making
> > last minute
> > > changes to the capsules the night before a launch.
> > So he held a
> > > Flight Readiness Review (FRR) the night before
> > launch. At that
> > > time the capsule design was fixed, with no more
> > changes allowed.

> > > I'm thinking we may incorporate that into our
> > Friday dinners and
> > > include the final flight prediction, nominal
> > driving routes, chase
> > > teams, etc.
> > >
> > > Inputs?
> > >
> > > Paul
> > >
> > >
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> > >
> > > Your use of Yahoo! Groups is subject to
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> > >
> > > --
> > > Regards,
> > >
> > > Randy Farley
> > > N7GPS -Ham Call-
> > > Find Me at: http://map.findu.com/n7gps*
> > >
> >
> > _____
> > Do You Yahoo!?
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--
Regards,

Randy Farley
N7GPS -Ham Call-
Find Me at: http://map.findu.com/n7gps*

2231. Re: [tvnsp] Re: TV02A Pre-Launch Dinner / Flight Readiness Review

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-28 00:00:19 UTC
From: Hank Riley
Topic: 2216 Message: 2231

> > Also, could I have the particulars on the balloon envelope we
> > are using this time, so that I can try my hand at LiftWin.
> > I believe it is a 1200g balloon and that we are expecting a
> > burst of 85,000 ft. I am using 1000 fpm assent and 1200 fpm
> > decent.

I've sent John by email a LIFTWIN that works correctly
with 1200 gram balloons. It's a version that hasn't been
checked out for general distribution or I'd send it to
the list and have it on the web.

Had a failure of a brand new HD that has hampered efforts
to get this straightened out.

Hank

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http://movies.yahoo.com/

2232. Uuughh! No launch for me.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-28 04:35:26 UTC
From: Jeff Melanson
Topic: 2232 Message: 2232

Hi TVNSP,

I have become sick and am running a temperature of 99.9,
coughing, stuffy nose, etc. I'm afraid I won't be able to
make it to the launch. I need to spend time in recovery. :(

Jeff
KD7INN

2233. Re: [tvnsp] TV02A Pre-Launch Dinner / Flight Readiness Review

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-28 15:50:08 UTC
From: Doug Rich
Topic: 2216 Message: 2233

No Balloon yet. I should have been here by now. Something must be wrong. I ordered the balloon the day you asked me. I gave them my name and address and credit card number and your name. We have both ordered from them before and the guy that took the order asked if that was the case and thought there would be no problems. The main order guy had just left a few minutes before my call, but the guy who took the order had all the info.
Doug
At 02:00 PM 3/27/02 -0700, you wrote:
> > I have reserved the Jade Garden Banquet Facilities for 6 pm Friday Night
>
>You beat me to it.
>
> > Paul, I would like some more details on the manifest so that I can get the
> > checklist updated for this flight. Also, could I have the particulars
> on the
> > balloon envelope we are using this time, so that I can try my hand at
> > LiftWin. I believe it is a 1200g balloon and that we are expecting a burst
> > of 85,000 ft. I am using 1000 fpm assent and 1200 fpm decent.
>
>Umm, I need to ask if we got the balloon yet. Doug, do you have
>the balloon?
>
>The manifest for TV02A is as follows
>
>Geiger Counter Telescope (nothing to turn on, other than the main
>power switches)
>Digital Camera on scan platform (open camera, switch is on the
>back)
>
>Inside the capsule we need to turn on the GPS
>
>There are three switches on the capsule, main power, HT, and
>servo.
>
>There is a backup beacon on the parachute. We'll need to turn on
>the GPS and HT. There are two additional switches, one for the
>Tiny Trak and the other for the audio beacon. I recommend we turn
>on the audio baecon last.
>
>Jeff, are we carrying you camcorder up?
>
>
>
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>
>
>
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2234. Re: [tvnsp] I is back

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-28 15:51:50 UTC
From: Doug Rich
Topic: 2213 Message: 2234

Yes, I put in enough for two tanks. The price is up from the last time, I think it is about $62. a tank.
Doug

At 01:55 PM 3/27/02 -0700, you wrote:
> > Good to hear that you are back, Paul! I am ready to pick up the He tanks on
> > Friday, let me know when there is money in the TVNSP account. I am having a
> > few glitches in my tracking system, but I hope to have them resolved by
> > flight time.
>
>Doug put some money in the account. Doug can you confirm this?
>
>By the way, I made a sale in Albuquerque. We have another $2.50
>in the account. I'll drop it off at the next VOI meeting.
>
>Paul
>
>
>To unsubscribe from this group, send an email to:
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>
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2235. Re: [tvnsp] TV02A Pre-Launch Dinner / Flight Readiness Review

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-28 16:29:03 UTC
From: Mike Garske
Topic: 2216 Message: 2235

Doug, did you call them today to see what the status was on the balloon?

Mike KC7DPD
----- Original Message -----
From: Doug Rich
To: tvnsp@yahoogroups.com
Sent: Thursday, March 28, 2002 8:50 AM
Subject: Re: [tvnsp] TV02A Pre-Launch Dinner / Flight Readiness Review

No Balloon yet. I should have been here by now. Something must be wrong. I ordered the balloon the day you asked me. I gave them my name and address and credit card number and your name. We have both ordered from them before and the guy that took the order asked if that was the case and thought there would be no problems. The main order guy had just left a few minutes before my call, but the guy who took the order had all the info.
Doug
At 02:00 PM 3/27/02 -0700, you wrote:

> I have reserved the Jade Garden Banquet Facilities for 6 pm Friday Night

You beat me to it.

> Paul, I would like some more details on the manifest so that I can get the
> checklist updated for this flight. Also, could I have the particulars on the
> balloon envelope we are using this time, so that I can try my hand at
> LiftWin. I believe it is a 1200g balloon and that we are expecting a burst
> of 85,000 ft. I am using 1000 fpm assent and 1200 fpm decent.

Umm, I need to ask if we got the balloon yet. Doug, do you have
the balloon?

The manifest for TV02A is as follows

Geiger Counter Telescope (nothing to turn on, other than the main
power switches)
Digital Camera on scan platform (open camera, switch is on the
back)

Inside the capsule we need to turn on the GPS

There are three switches on the capsule, main power, HT, and
servo.

There is a backup beacon on the parachute. We'll need to turn on
the GPS and HT. There are two additional switches, one for the
Tiny Trak and the other for the audio beacon. I recommend we turn
on the audio baecon last.

Jeff, are we carrying you camcorder up?

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2236. Re: [tvnsp] TV02A Pre-Launch Dinner / Flight Readiness Review

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-28 16:45:09 UTC
From: Mike Garske
Topic: 2216 Message: 2236

Doug,

If we have to, can we order it Next Day Air......if we want to have it this weekend....I am willing to help with the extra expense!

I had to put in for this weekend off from work 2 months in advance, I would like to be launching a balloon this weekend!

Mike KC7DPD
----- Original Message -----
From: Mike Garske
To: tvnsp@yahoogroups.com
Sent: Thursday, March 28, 2002 9:29 AM
Subject: Re: [tvnsp] TV02A Pre-Launch Dinner / Flight Readiness Review

Doug, did you call them today to see what the status was on the balloon?

Mike KC7DPD
----- Original Message -----
From: Doug Rich
To: tvnsp@yahoogroups.com
Sent: Thursday, March 28, 2002 8:50 AM
Subject: Re: [tvnsp] TV02A Pre-Launch Dinner / Flight Readiness Review

No Balloon yet. I should have been here by now. Something must be wrong. I ordered the balloon the day you asked me. I gave them my name and address and credit card number and your name. We have both ordered from them before and the guy that took the order asked if that was the case and thought there would be no problems. The main order guy had just left a few minutes before my call, but the guy who took the order had all the info.
Doug
At 02:00 PM 3/27/02 -0700, you wrote:

> I have reserved the Jade Garden Banquet Facilities for 6 pm Friday Night

You beat me to it.

> Paul, I would like some more details on the manifest so that I can get the
> checklist updated for this flight. Also, could I have the particulars on the
> balloon envelope we are using this time, so that I can try my hand at
> LiftWin. I believe it is a 1200g balloon and that we are expecting a burst
> of 85,000 ft. I am using 1000 fpm assent and 1200 fpm decent.

Umm, I need to ask if we got the balloon yet. Doug, do you have
the balloon?

The manifest for TV02A is as follows

Geiger Counter Telescope (nothing to turn on, other than the main power switches)
Digital Camera on scan platform (open camera, switch is on the back)

Inside the capsule we need to turn on the GPS

There are three switches on the capsule, main power, HT, and servo.

There is a backup beacon on the parachute. We'll need to turn on the GPS and HT. There are two additional switches, one for the Tiny Trak and the other for the audio beacon. I recommend we turn on the audio baecon last.

Jeff, are we carrying you camcorder up?

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2237. Re: [tvnsp] TV02A Pre-Launch Dinner / Flight Readiness Review

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-28 17:21:12 UTC
From: Hank Riley
Topic: 2216 Message: 2237

> No Balloon yet. I should have been here by now. Something must be
> wrong. I ordered the balloon the day you asked me. I gave them
> my name and address and credit card number and your name. We
> have both ordered from them before thought there would be
> no problems.

> The main order guy had just left a few
> minutes before my call, but the guy who took the order had
> all the info.

> Doug

This is about as bad as an "I told you so," except it's a "he
told you so."

Zack described on this list the EXACT scenario of the second
guy taking the order, and the possibility of a bad outcome
which uinfortunately has come to pass.

Thanks, Zack, for letting us know that this can happen more
than once at Kaymont.

Hank

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http://movies.yahoo.com/

2238. Predictions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-28 17:57:59 UTC
From: John Knapp
Topic: 2238 Message: 2238

This mornings Boise Observations had 12 lines in it, so I am using last nights observations. I came up with a flight of 97 minutes at 123 degrees. Duration is 120 minutes. I haven't had time to do the complete computations for all the blanks on the form.

John Knapp
KD7HGS

_____
Do You Yahoo!?
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http://movies.yahoo.com/

2239. Re: [tvnsp] TV02A Pre-Launch Dinner / Flight Readiness Review

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-28 18:44:10 UTC
From: Zack Clobes
Topic: 2216 Message: 2239

Yeah I've been sitting here snickering.. :-) I don't know what your options are - I just called them a little bit ago and the funny guy acted like the normal guy wasn't there (I was inquiring about a different project).

Good luck.
Zack
----- Original Message -----
From: "Hank Riley" <n1ltv@...>
To: <tvnsp@yahoogroups.com>
Sent: Thursday, March 28, 2002 11:21 AM
Subject: Re: [tvnsp] TV02A Pre-Launch Dinner / Flight Readiness Review

> > No Balloon yet. I should have been here by now. Something must be
> > wrong. I ordered the balloon the day you asked me. I gave them
> > my name and address and credit card number and your name. We
> > have both ordered from them before thought there would be
> > no problems.
>
>
> > The main order guy had just left a few
> > minutes before my call, but the guy who took the order had
> > all the info.
>
> > Doug
>
> This is about as bad as an "I told you so," except it's a "he
> told you so."
>
> Zack described on this list the EXACT scenario of the second
> guy taking the order, and the possibility of a bad outcome
> which uinfortunately has come to pass.
>
> Thanks, Zack, for letting us know that this can happen more
> than once at Kaymont.
>
> Hank
>
>
>
> _____
> Do You Yahoo!?
> Yahoo! Movies - coverage of the 74th Academy Awards?
> http://movies.yahoo.com/
>

>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>

2240. Re: [tvnsp] TV02A Pre-Launch Dinner / Flight Readiness Review

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-28 20:47:56 UTC
From: randy farley
Topic: 2216 Message: 2240

Looks like we should consider having a backup balloon
in inventory at all times. Kinda ruins the idea of JIT
(Just In Time) inventory. Tough on the cash flow too.

Sheesh,ya can't count on anybody under 30 anymore ;-)

On Thu, 28 Mar 2002 12:44:10 -0600
Zack Clobes <zclobes@...> wrote:
> Yeah I've been sitting here snickering.. :-) I don't
> know what your
> options are - I just called them a little bit ago and the
> funny guy acted
> like the normal guy wasn't there (I was inquiring about a
> different
> project).
>
> Good luck.
> Zack
> ----- Original Message -----
> From: "Hank Riley" <n1ltv@...>
> To: <tvnsp@yahoogroups.com>
> Sent: Thursday, March 28, 2002 11:21 AM
> Subject: Re: [tvnsp] TV02A Pre-Launch Dinner / Flight
> Readiness Review
>
>
> > > No Balloon yet. I should have been here by now.
> Something must be
> > > wrong. I ordered the balloon the day you asked me. I
> gave them
> > > my name and address and credit card number and your
> name. We
> > > have both ordered from them before thought there
> would be
> > > no problems.
> >
> >
> > > The main order guy had just left a few
> > > minutes before my call, but the guy who took the
> order had
> > > all the info.
> >
> > > Doug
> >
> > This is about as bad as an "I told you so," except it's

> a "he
> > told you so."
> >
> > Zack described on this list the EXACT scenario of the
> second
> > guy taking the order, and the possibility of a bad
> outcome
> > which uinfortunately has come to pass.
> >
> > Thanks, Zack, for letting us know that this can happen
> more
> > than once at Kaymont.
> >
> > Hank
> >
> >
> >
> > _____
> > Do You Yahoo!?
> > Yahoo! Movies - coverage of the 74th Academy Awards?
> > http://movies.yahoo.com/
> >
> >
> > To unsubscribe from this group, send an email to:
> > tvnsp-unsubscribe@egroups.com
> >
> >
> >
> > Your use of Yahoo! Groups is subject to
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>
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>

regards,

Randy

2241. TV01A

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-28 21:04:02 UTC
From: Mike Garske
Topic: 2241 Message: 2241

Everyone,

Well, looks like the launch scheduled for this weekend is in a real possibility of being canceled.....the reason, you ask? NO BALLOON! Unless it shows up today or tomorrow (it was ordered March 1st), then we are not flying on Saturday. Paul has called Kaymont, but could only leave a message, so far.

In talking to Paul on the phone, since he can't check his email today, he still wants to hold the "Pre-flight" dinner at the Jade Garden, just to discuss procedures, if not planning for the next days launch.
How about everyone email their intentions, whether or not to have the dinner Friday?

Like Randy said, we should probably consider having a "spare" balloon on hand for this kind of issue from now on, although this could cost extra on our part.

......And Saturday's weather was looking to be really nice over the Treasure Valley too!

Mike KC7DPD

2242. Re: [tvnsp] Predictions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-28 21:07:02 UTC
From: randy farley
Topic: 2238 Message: 2242

Hmm..

I used file BOI 1200z 28 03 02 from this morning.
Had 13 reports; bearing=121 deg.,Range=119mi.,
duration=137min.

On Thu, 28 Mar 2002 09:57:59 -0800 (PST)
John Knapp <kd7hgs@...> wrote:
> This mornings Boise Observations had 12 lines in it,
> so I am using last nights observations. I came up with
> a flight of 97 minutes at 123 degrees. Duration is 120
> minutes. I haven't had time to do the complete
> computations for all the blanks on the form.
>
> John Knapp
> KD7HGS
>
> _____
> Do You Yahoo!?
> Yahoo! Movies - coverage of the 74th Academy Awards?
> http://movies.yahoo.com/
>
> ---------- Yahoo! Groups Sponsor
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to
> http://docs.yahoo.com/info/terms/
>
>

regards,

Randy

2243. Re: [tvnsp] TV01A

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-28 21:12:56 UTC
From: Tim Rynearson
Topic: 2241 Message: 2243
Attachments: 2 described; binary payloads are missing from this source WARC

If Kaymont can't be relied upon, and it looks like this is more common than not, perhaps another supplier should be considered. Surely they can't be so busy that they can't send ONE balloon in THREE weeks. Just looks like very poor business practice, IMHO....

Tim....N7UBO

-------Original Message-------

From:tvnsp@yahoogroups.com
Date: Thursday, March 28, 2002 01:31:31 PM
To:tvnsp@yahoogroups.com
Subject: [tvnsp] TV01A

Everyone,

Well, looks like the launch scheduled for this weekend is in a real possibility of being canceled.....the reason, you ask? NO BALLOON! Unless it shows up today or tomorrow (it was ordered March 1st), then we are not flying on Saturday. Paul has called Kaymont, but could only leave a message, so far.

In talking to Paul on the phone, since he can't check his email today, he still wants to hold the "Pre-flight" dinner at the Jade Garden, just to discuss procedures, if not planning for the next days launch.
How about everyone email their intentions, whether or not to have the dinner Friday?

Like Randy said, we should probably consider having a "spare" balloon on hand for this kind of issue from now on, although this could cost extra on our part.

......And Saturday's weather was looking to be really nice over the Treasure Valley too!

Mike KC7DPD

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2244. Re: TV01A

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-28 21:41:30 UTC
From: k7jps
Topic: 2241 Message: 2244

Mike, thanks for keeping Paul in the loop on this today since they wont let him walk on the waxed floors at work.

My thoughts on dinner are, let's go ahead with it for the procedures discussion. I'd also like to go over the checklist. Looks like Saturday morning will give some of us time to write articles.

John Stone
K7JPS

2245. Re: [tvnsp] TV01A

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-28 21:43:45 UTC
From: John Knapp
Topic: 2241 Message: 2245

Go or no go, I will still be at the Jade Garden. We
may have a late balloon arrival so I believe we still
to proceed as we are still a go. A decision can be
made at the last minute.

Thanks for the update Mike.

John the elder one

--- Mike Garske <kc7dpd@...> wrote:
> Everyone,
>
> Well, looks like the launch scheduled for this
> weekend is in a real possibility of being
> canceled.....the reason, you ask? NO BALLOON!
> Unless it shows up today or tomorrow (it was ordered
> March 1st), then we are not flying on Saturday. Paul
> has called Kaymont, but could only leave a message,
> so far.
>
> In talking to Paul on the phone, since he can't
> check his email today, he still wants to hold the
> "Pre-flight" dinner at the Jade Garden, just to
> discuss procedures, if not planning for the next
> days launch.
> How about everyone email their intentions,
> whether or not to have the dinner Friday?
>
> Like Randy said, we should probably consider having
> a "spare" balloon on hand for this kind of issue
> from now on, although this could cost extra on our
> part.
>
> ......And Saturday's weather was looking to be
> really nice over the Treasure Valley too!
>
> Mike KC7DPD
>

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http://movies.yahoo.com/

2246. Re: TV01A

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-28 22:58:56 UTC
From: kd7pit
Topic: 2241 Message: 2246

I would really hate to see a "no go" flight this weekend. For my spring break, I had two choices on how to spend it. On one hand Lake Havasu, AZ and the other, TV01A. I opted for the balloon launch, but if nothing happens, I would hate to think that I wasted 9 days of warm sun, fast boats and college chicks in bikini's in AZ!!! Sounds like many other members took time off the see this thing through. I will be at Jade Garden on Friday night, and in the mean-time, crossing my fingers and toes for the arrivel of our balloon. I also agree with Randy about having a spare balloon. Maybe it can be a discussion topic Friday night.

Justin KD7PIT

--- In tvnsp@y..., "Mike Garske" <kc7dpd@v...> wrote:
> Everyone,
>
> Well, looks like the launch scheduled for this weekend is in a real possibility of being canceled.....the reason, you ask? NO BALLOON! Unless it shows up today or tomorrow (it was ordered March 1st), then we are not flying on Saturday. Paul has called Kaymont, but could only leave a message, so far.
>
> In talking to Paul on the phone, since he can't check his email today, he still wants to hold the "Pre-flight" dinner at the Jade Garden, just to discuss procedures, if not planning for the next days launch.
> How about everyone email their intentions, whether or not to have the dinner Friday?
>
> Like Randy said, we should probably consider having a "spare" balloon on hand for this kind of issue from now on, although this could cost extra on our part.
>
> ......And Saturday's weather was looking to be really nice over the Treasure Valley too!
>
> Mike KC7DPD

2247. Re: TV01A

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-28 23:20:34 UTC
From: kd7pit
Topic: 2241 Message: 2247

I would really hate to see a "no go" flight this weekend. For my spring break, I had two choices on how to spend it. On one hand Lake Havasu, AZ and the other, TV01A. I opted for the balloon launch, but if nothing happens, I would hate to think that I wasted 9 days of warm sun, fast boats and college chicks in bikini's in AZ!!! Sounds like many other members took time off the see this thing through. I will be at Jade Garden on Friday night, and in the mean-time, crossing my fingers and toes for the arrivel of our balloon. I also agree with Randy about having a spare balloon. Maybe it can be a discussion topic Friday night.

Justin KD7PIT

--- In tvnsp@y..., "Mike Garske" <kc7dpd@v...> wrote:
> Everyone,
>
> Well, looks like the launch scheduled for this weekend is in a real possibility of being canceled.....the reason, you ask? NO BALLOON! Unless it shows up today or tomorrow (it was ordered March 1st), then we are not flying on Saturday. Paul has called Kaymont, but could only leave a message, so far.
>
> In talking to Paul on the phone, since he can't check his email today, he still wants to hold the "Pre-flight" dinner at the Jade Garden, just to discuss procedures, if not planning for the next days launch.
> How about everyone email their intentions, whether or not to have the dinner Friday?
>
> Like Randy said, we should probably consider having a "spare" balloon on hand for this kind of issue from now on, although this could cost extra on our part.
>
> ......And Saturday's weather was looking to be really nice over the Treasure Valley too!
>
> Mike KC7DPD

2248. TV02A---got it correct this time!

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-28 23:49:40 UTC
From: Mike Garske
Topic: 2248 Message: 2248

Well, it looks to be a "GO" for the dinner, if not for a launch. We can discuss what articles to write for the ATVQ, and maybe reschedule the launch date.

See you all at the Jade tomorrow night!

Mike KC7DPD

2249. Re: [tvnsp] Re: TV01A

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-29 00:09:27 UTC
From: Zack Clobes
Topic: 2241 Message: 2249

What size of balloon is needed? I've got a spare 1200g back here - I'm checking to see how late UPS will take it. What would the address be?
Zack
----- Original Message -----
From: kd7pit
To: tvnsp@yahoogroups.com
Sent: Thursday, March 28, 2002 4:58 PM
Subject: [tvnsp] Re: TV01A

I would really hate to see a "no go" flight this weekend. For my spring break, I had two choices on how to spend it. On one hand Lake Havasu, AZ and the other, TV01A. I opted for the balloon launch, but if nothing happens, I would hate to think that I wasted 9 days of warm sun, fast boats and college chicks in bikini's in AZ!!! Sounds like many other members took time off the see this thing through. I will be at Jade Garden on Friday night, and in the mean-time, crossing my fingers and toes for the arrivel of our balloon. I also agree with Randy about having a spare balloon. Maybe it can be a discussion topic Friday night.

Justin KD7PIT

--- In tvnsp@y..., "Mike Garske" <kc7dpd@v...> wrote:
> Everyone,
>
> Well, looks like the launch scheduled for this weekend is in a real possibility of being canceled.....the reason, you ask? NO BALLOON! Unless it shows up today or tomorrow (it was ordered March 1st), then we are not flying on Saturday. Paul has called Kaymont, but could only leave a message, so far.
>
> In talking to Paul on the phone, since he can't check his email today, he still wants to hold the "Pre-flight" dinner at the Jade Garden, just to discuss procedures, if not planning for the next days launch.
> How about everyone email their intentions, whether or not to have the dinner Friday?
>
> Like Randy said, we should probably consider having a "spare" balloon on hand for this kind of issue from now on, although this could cost extra on our part.
>
> ......And Saturday's weather was looking to be really nice over the Treasure Valley too!
>
> Mike KC7DPD

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2250. Re: [tvnsp] TV01A

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-29 00:39:36 UTC
From: Mark Conner
Topic: 2241 Message: 2250
Attachments: 2 described; binary payloads are missing from this source WARC

I had a similar experience with Kaymont some time ago. If you call Kaymont to place an order, make sure you're talking to Paul. I think he's *the* sales guy. An order I left with someone else about a year and a half ago never made it to Paul and thus never to UPS and to me. Dunno why, but there's a serious disconnect between the others who answer the phone and getting orders in their system for shipment.

UPS says ground shipment takes 5 business days from NY to ID. If you don't see your Kaymont order after 7 business days, it's worth a call to make sure the order is in.

I take two balloons to each launch and actually have four on hand now. I like to keep a variety of sizes so that I can make a change to a new size at the last minute if I want. More up-front cost, but you'll use them eventually. :)

- Mark
----- Original Message -----
From: Tim Rynearson
To: tvnsp@yahoogroups.com
Sent: Thursday, March 28, 2002 15:12
Subject: Re: [tvnsp] TV01A

If Kaymont can't be relied upon, and it looks like this is more common than not, perhaps another supplier should be considered. Surely they can't be so busy that they can't send ONE balloon in THREE weeks. Just looks like very poor business practice, IMHO....

Tim....N7UBO

-------Original Message-------

From:tvnsp@yahoogroups.com
Date: Thursday, March 28, 2002 01:31:31 PM
To:tvnsp@yahoogroups.com
Subject: [tvnsp] TV01A

Everyone,

Well, looks like the launch scheduled for this weekend is in a real possibility of being canceled.....the reason, you ask? NO BALLOON! Unless it shows up today or tomorrow (it was ordered March 1st), then we are not flying on Saturday. Paul has called Kaymont, but could only leave a message, so far.

In talking to Paul on the phone, since he can't check his email today, he still wants to hold the "Pre-flight" dinner at the Jade Garden, just to discuss procedures, if not planning for the next days launch.
How about everyone email their intentions, whether or not to have the dinner Friday?

Like Randy said, we should probably consider having a "spare" balloon on hand for this kind of issue from now on, although this could cost extra on our part.

.....And Saturday's weather was looking to be really nice over the Treasure Valley too!

Mike KC7DPD

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2251. 1200g balloon in time for Sunday

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-29 00:49:18 UTC
From: Hank Riley
Topic: 2241 Message: 2251

I was thinking for a Saturday delivery in plenty of
time for Sunday.

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http://movies.yahoo.com/

2252. Re: [tvnsp] TV01A

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-29 00:53:20 UTC
From: Randy Farley
Topic: 2241 Message: 2252

I still plan on making the Jade Garden if everyone is still up to it.
I needed to make a quick run to Boise anyway,so i can kill a couple of
birds at one time. Count me in.

> Mike Garske wrote:
>
> Everyone,
>
> Well, looks like the launch scheduled for this weekend is in a real
> possibility of being canceled.....the reason, you ask? NO BALLOON!
> Unless it shows up today or tomorrow (it was ordered March 1st),
> then we are not flying on Saturday. Paul has called Kaymont, but
> could only leave a message, so far.
>
> In talking to Paul on the phone, since he can't check his email
> today, he still wants to hold the "Pre-flight" dinner at the Jade
> Garden, just to discuss procedures, if not planning for the next
> days launch.
> How about everyone email their intentions, whether or not to
> have the dinner Friday?
>
> Like Randy said, we should probably consider having a "spare"
> balloon on hand for this kind of issue from now on, although this
> could cost extra on our part.
>
> ......And Saturday's weather was looking to be really nice over the
> Treasure Valley too!
>
> Mike KC7DPD
>
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>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
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--
Regards,

Randy Farley
N7GPS -Ham Call-
Find Me at: http://map.findu.com/n7gps*

2253. Re: 1200g balloon in time for Sunday

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-29 01:34:35 UTC
From: Hank Riley
Topic: 2241 Message: 2253

That was not intended for the list, but this is what it
was about.

I was thinking that some of these parcel services do not
do Saturday, even by request. FEDEX is one that does do
Saturday as an option.

Too bad it's too late for two day FEDEX, because that would
not be too bad for pricing. A 4 pound 6 inch cube package
ships two days FEDEX, KS to ID, for around $13.50. That
would get it to Idaho in time for a Sunday launch if it could
have left today.

Overnight FEDEX is more than double that amount.

Hank

Do You Yahoo!?
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http://movies.yahoo.com/

2254. Re: [tvnsp] TV02A Pre-Launch Dinner / Flight Readiness Review

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-29 05:23:17 UTC
From: Doug Rich
Topic: 2216 Message: 2254

No. It was too late by the time I got home from work (6PM). I will call in
the morning.
Doug

At 09:29 AM 3/28/02 -0700, you wrote:
>Doug, did you call them today to see what the status was on the balloon?
>
>Mike KC7DPD
>----- Original Message -----
>From: <mailto:doug@...>Doug Rich
>To: <mailto:tvnsp@yahoogroups.com>tvnsp@yahoogroups.com
>Sent: Thursday, March 28, 2002 8:50 AM
>Subject: Re: [tvnsp] TV02A Pre-Launch Dinner / Flight Readiness Review
>
>No Balloon yet. I should have been here by now. Something must be wrong.
>I ordered the balloon the day you asked me. I gave them my name and
>address and credit card number and your name. We have both ordered from
>them before and the guy that took the order asked if that was the case
>and thought there would be no problems. The main order guy had just left
>a few minutes before my call, but the guy who took the order had all the info.
>Doug
>At 02:00 PM 3/27/02 -0700, you wrote:
>> > I have reserved the Jade Garden Banquet Facilities for 6 pm Friday Night
>>
>>You beat me to it.
>>
>> > Paul, I would like some more details on the manifest so that I can get
>> the
>> > checklist updated for this flight. Also, could I have the particulars
>> on the
>> > balloon envelope we are using this time, so that I can try my hand at
>> > LiftWin. I believe it is a 1200g balloon and that we are expecting a
>> burst
>> > of 85,000 ft. I am using 1000 fpm assent and 1200 fpm decent.
>>
>>Umm, I need to ask if we got the balloon yet. Doug, do you have
>>the balloon?
>>
>>The manifest for TV02A is as follows
>>
>>Geiger Counter Telescope (nothing to turn on, other than the main
>>power switches)
>>Digital Camera on scan platform (open camera, switch is on the
>>back)
>>

>>Inside the capsule we need to turn on the GPS
>>
>>There are three switches on the capsule, main power, HT, and
>>servo.
>>
>>There is a backup beacon on the parachute. We'll need to turn on
>>the GPS and HT. There are two additional switches, one for the
>>Tiny Trak and the other for the audio beacon. I recommend we turn
>>on the audio baecon last.
>>
>>Jeff, are we carrying you camcorder up?
>>
>>
>>
>>
>>To unsubscribe from this group, send an email to:
>>tvnsp-unsubscribe@egroups.com
>>
>>
>>
>>Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
>To unsubscribe from this group, send an email to:
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2255. Re: [tvnsp] TV01A

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-29 05:30:39 UTC
From: Doug Rich
Topic: 2241 Message: 2255

Just remembered I have a 1200 balloon that we used to test parachutes. It has been inflated once. If you think it will work, you can have it.
Doug

At 02:04 PM 3/28/02 -0700, you wrote:
>Everyone,
>
>Well, looks like the launch scheduled for this weekend is in a real
>possibility of being canceled.....the reason, you ask? NO BALLOON! Unless
>it shows up today or tomorrow (it was ordered March 1st), then we are not
>flying on Saturday. Paul has called Kaymont, but could only leave a
>message, so far.
>
>In talking to Paul on the phone, since he can't check his email today, he
>still wants to hold the "Pre-flight" dinner at the Jade Garden, just to
>discuss procedures, if not planning for the next days launch.
> How about everyone email their intentions, whether or not to have the
> dinner Friday?
>
>Like Randy said, we should probably consider having a "spare" balloon on
>hand for this kind of issue from now on, although this could cost extra on
>our part.
>
>......And Saturday's weather was looking to be really nice over the
>Treasure Valley too!
>
>Mike KC7DPD
>
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2256. Jade Garden Meeting Time?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-29 05:49:36 UTC
From: Tony Barrett
Topic: 2256 Message: 2256

So what time is everyone planning on meeting at the Jade Garden in Nampa? Still on for 6 PM?

Tony

2257. Re: [tvnsp] Jade Garden Meeting Time?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-29 14:53:28 UTC
From: John Knapp
Topic: 2256 Message: 2257

As far as I know it is still on for 6:00pm tonight. If
anyone knows differently let us know.

John the elder
KD7HGS

--- Tony Barrett <tonybarrett@...> wrote:
> So what time is everyone planning on meeting at the
> Jade Garden in
> Nampa? Still on for 6 PM?
>
> Tony
>
>

Do You Yahoo!?
Yahoo! Greetings - send holiday greetings for Easter, Passover
http://greetings.yahoo.com/

2258. Friday Predictions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-29 15:17:50 UTC
From: John Knapp
Topic: 2238 Message: 2258

This morning's predicitions for 85,000ft, acent or
1000 fpm, and decent 800 fpm was:

134 degrees
112 miles

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2259. Re: [tvnsp] Friday Predictions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-29 15:35:28 UTC
From: John Knapp
Topic: 2238 Message: 2259

Try this again, I hit the wrong key and off it went,
even though I wasn't done with this. Gotta love
computers.

Direction: 134 degrees
Distance: 112 miles
Time: 137 minutes

MRF was winds from the northwest to the southeast,
looks like they are mildly strong. Weather Channel
forcast as winds as the following:

6:00am - southeast at 3mph
7:00am - southeast at 2 mph

Temperatures are suppose to be 36 degrees, but may be
close to freezing in the desert, depending on where we
launch. Does freezing temperatures that have an impact
on the launch?

Anyone else do the predictions?

John the elder

--- John Knapp <kd7hgs@...> wrote:
> This morning's predicitions for 85,000ft, acent or
> 1000 fpm, and decent 800 fpm was:
>
> 134 degrees
> 112 miles
>
>
> _____
> Do You Yahoo!?
> Yahoo! Greetings - send holiday greetings for
> Easter, Passover
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>

_____
Do You Yahoo!?
Yahoo! Greetings - send holiday greetings for Easter, Passover
http://greetings.yahoo.com/

2260. Re: [tvnsp] Friday Predictions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-29 16:23:11 UTC
From: Mark Conner
Topic: 2238 Message: 2260

> MRF was winds from the northwest to the southeast,
> looks like they are mildly strong. Weather Channel
> forcast as winds as the following:

Recommend using the Eta or AVN models when you're within 48-72 hours of launch. The MRF has a grid spacing of 191 km and fairly long time steps. It's used mainly to forecast 3-15 days out.

The AVN also has 191 km grids, but is better suited for shorter-range forecasting. The Eta has a 40 km grid and more detail in the vertical than either the MRF or AVN. The AVN and Eta are also updated 4x per day.

I've found that the Eta over-forecasts wind speeds a little bit, and the AVN underdoes it a little, esp. near jet streams.

73 de Mark N9XTN

2261. New balloon

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-29 16:45:37 UTC
From: Doug Rich
Topic: 2261 Message: 2261

I talked to Kaymont they will ship a balloon today to arrive at my house tomarrow.

Doug KD6GCL

kd6gcl@...
doug@...

2262. Re: [tvnsp] Friday Predictions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-29 16:48:43 UTC
From: John Knapp
Topic: 2238 Message: 2262

Thanks Mark. In my unpracticed eye they currently look
about the same as the MRF. But I will check again this
afternoon.

John the unpracticed elder

--- Mark Conner <n9xtn@...> wrote:
> > MRF was winds from the northwest to the southeast,
> > looks like they are mildly strong. Weather Channel
> > forcast as winds as the following:
>
> Recommend using the Eta or AVN models when you're
> within 48-72 hours of
> launch. The MRF has a grid spacing of 191 km and
> fairly long time
> steps. It's used mainly to forecast 3-15 days out.
>
> The AVN also has 191 km grids, but is better suited
> for shorter-range
> forecasting. The Eta has a 40 km grid and more
> detail in the vertical
> than either the MRF or AVN. The AVN and Eta are
> also updated 4x per
> day.
>
> I've found that the Eta over-forecasts wind speeds a
> little bit, and
> the AVN underdoes it a little, esp. near jet
> streams.
>
> 73 de Mark N9XTN
>
>
>

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2263. Re: [tvnsp] Friday Predictions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-29 20:12:32 UTC
From: John Knapp
Topic: 2238 Message: 2263

Assume an average of 134 degrees and a distance of 98 miles. If launched from Caldwell it would land approximately 22 miles south of Glens Ferry. Am not sure of the terrain down there.

John

_____
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2264. RE: [tvnsp] Friday Predictions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-29 20:45:23 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 2238 Message: 2264

www.topozone.com <http://www.topozone.com>

specifically

http://www.topozone.com/map.asp?z=11
<http://www.topozone.com/map.asp?z=11&n=4718345&e=638576&s=200&size=m>
&n=4718345&e=638576&s=200&size=m
From what I can see, that is dangerously close to an aircraft range
and just a little south of Bruneau Dunes....

Wait for it to load completely, the red cross in the middle is about 22
miles south of Glenns Ferry ID. At the very top right corner, you'll
see the corner of the air force range.... click up there to recenter the
map.

Lots of roads out there, easy country on foot (unless your in sand)...

-----Original Message-----
From: John Knapp [mailto:kd7hgs@...]
Sent: Friday, March 29, 2002 1:13 PM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] Friday Predictions

Assume an average of 134 degrees and a distance of 98
miles. If launched from Caldwell it would land
approximately 22 miles south of Glens Ferry. Am not
sure of the terrain down there.

John

~
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<http://rd.yahoo.com/M=215002.1818248.3328688.1261774/D=egroupweb/S=17050832
81:HM/A=847665/R=0/*http://ads.x10.com/?bHlhaG9vbW9uc3RlcjcuZGF0=1017432755%
3eM=215002.1818248.3328688.1261774/D=egroupweb/S=1705083281:HM/A=847665/R=1>

<http://us.adserver.yahoo.com/l?M=215002.1818248.3328688.1261774/D=egroupmai
l/S=1705083281:HM/A=847665/rand=445585876>

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2265. Re: [tvnsp] Friday Predictions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-29 20:49:52 UTC
From: Mike Garske
Topic: 2238 Message: 2265

John,

I just ran it using a 95k burst height and got 102.3 miles, 133 degrees. If we launched from Kuna like we did last year, it would land near Buhl. Lots of open BLM land down there.....

It is definitely a SE track the whole way, it might just pay to send a chase vehicle ahead? We will have to discuss this tonight at dinner.

Did anyone talk to Doug about the extra 1200g balloon he has right now? It had be used for the parachute tests last year....could we use it for a launch tommorrow?

Mike KC7DPD

----- Original Message -----
From: "John Knapp" <kd7hgs@...>
To: <tvnsp@yahoogroups.com>
Sent: Friday, March 29, 2002 1:12 PM
Subject: Re: [tvnsp] Friday Predictions

> Assume an average of 134 degrees and a distance of 98
> miles. If launched from Caldwell it would land
> approximately 22 miles south of Glens Ferry. Am not
> sure of the terrain down there.
>
> John
>
>
> _____
> Do You Yahoo!?
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>
>
>

2266. Saturday Flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-29 21:17:36 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2238 Message: 2266

I was thinking we'd cancel the Saturday launch. However, since the interest is so high and Doug did offer his used balloon, perhaps we should still launch.

There will be no camcorder on this flight, so we're looking at a lighter capsule. Run predictions with a burst around 90-95 k feet. I'll try to get a second capsule together to carry a few t-shirts and patches. I need to get some batteries for the servos and the digital camera. We'll also have to hook up the backup tracker to the parachute, but that can be done tonight.

Doug, how do we get the balloon from you? Mike, do you have the helium?

See you at 6:00

Paul

2267. Re: [tvnsp] Saturday Flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-29 22:12:15 UTC
From: Doug Rich
Topic: 2238 Message: 2267

At 02:17 PM 3/29/02 -0700, you wrote:
>I was thinking we'd cancel the Saturday launch. However, since
>the interest is so high and Doug did offer his used balloon, perhaps
>we should still launch.
>
>There will be no camcorder on this flight, so we're looking at a
>lighter capsule. Run predictions with a burst around 90-95 k feet.
>I'll try to get a second capsule together to carry a few t-shirts and
>patches. I need to get some batteries for the servos and the digital
>camera. We'll also have to hook up the backup tracker to the
>parachute, but that can be done tonight.
>
>Doug, how do we get the balloon from you? Mike, do you have the
>helium?
If someone from this area is going over tonight (maybe Tony) they could stop by and pick it up. I will not be able to be there tonight or tomorrow. I will have it ready for someone at the door or (if not home) in a box by the carport door.
Doug
P.S. My new call has arrived W7DVR

>See you at 6:00
>
>Paul
>
>
>To unsubscribe from this group, send an email to:
>tvnsp-unsubscribe@egroups.com
>
>
>
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2268. Re: [tvnsp] Saturday Flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-29 22:25:44 UTC
From: John Knapp
Topic: 2238 Message: 2268

Just a thought. If the predictions are accurate, and I
believe they are fairly close, and the balloon goes to
95,000ft, and we launch from Kuna, the landing site
will be in the Roseworth area, south of Buhl-Twin
Falls. Don't know about the roads in that area but it
will take us a min. of three hours to get there. The
flight is two hours.

If we launch, we had better have a crew heading that
direction about an hour prior to the launch.

John the elder

--- verhap@... wrote:
> I was thinking we'd cancel the Saturday launch.
> However, since
> the interest is so high and Doug did offer his used
> balloon, perhaps
> we should still launch.
>
> There will be no camcorder on this flight, so we're
> looking at a
> lighter capsule. Run predictions with a burst
> around 90-95 k feet.
> I'll try to get a second capsule together to carry a
> few t-shirts and
> patches. I need to get some batteries for the
> servos and the digital
> camera. We'll also have to hook up the backup
> tracker to the
> parachute, but that can be done tonight.
>
> Doug, how do we get the balloon from you? Mike, do
> you have the
> helium?
>
> See you at 6:00
>
> Paul
>

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2269. Re: [tvnsp] Saturday Flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-29 22:50:53 UTC
From: John Knapp
Topic: 2238 Message: 2269

Randy, I picked up four meters for you. Will have them
tonight at the meeting.

John the elder.....

_____
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2270. Re: [tvnsp] Saturday Flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-29 23:44:40 UTC
From: Mike Garske
Topic: 2238 Message: 2270

Doug,

I can pick it up after the meeting tonight, if that is OK? Probably around 8 or 9 pm, if that is too late, call me on the phone, 846-9219 or the 147.240 repeater...I will be listening on the way to the meeting between 5 and 6pm.....

Thanks for letting us use the balloon, and I hope I didn't come across in yesterday's emails like I was blaming you for Kaymont, if I was I apologize!

Congrats on the new call.....is it a vanity call that you picked?

Mike KC7DPD
----- Original Message -----
From: Doug Rich
To: tvnsp@yahoogroups.com
Sent: Friday, March 29, 2002 3:12 PM
Subject: Re: [tvnsp] Saturday Flight

At 02:17 PM 3/29/02 -0700, you wrote:

I was thinking we'd cancel the Saturday launch. However, since
the interest is so high and Doug did offer his used balloon, perhaps
we should still launch.

There will be no camcorder on this flight, so we're looking at a
lighter capsule. Run predictions with a burst around 90-95 k feet.
I'll try to get a second capsule together to carry a few t-shirts and
patches. I need to get some batteries for the servos and the digital
camera. We'll also have to hook up the backup tracker to the
parachute, but that can be done tonight.

Doug, how do we get the balloon from you? Mike, do you have the
helium?
If someone from this area is going over tonight (maybe Tony) they could stop by and pick it up. I will not be able to be there tonight or tomorrow. I will have it ready for someone at the door or (if not home) in a box by the carport door.
Doug
P.S. My new call has arrived W7DVR

See you at 6:00

Paul

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2271. Helium is Here!

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-29 23:46:07 UTC
From: Mike Garske
Topic: 2271 Message: 2271

Paul, the helium has been procured!

Mike KC7DPD

2272. Launch / Chase Coordination

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-30 05:36:15 UTC
From: K7JPS - John
Topic: 2272 Message: 2272

Primary Chase Repeater
147.240

Secondary Chase Repeater
147.200

Simplex
146.520

Launch/Chase Participants

KD7DPD - Mike
N7GPS - Randy
K7JPS - John S. (Launch Only)
KD7MVO - Daniel
KD7PIT - Justin
KD4STH - Paul

Down Range Chase/Recovery
KD7HGS - John K.

Tentative Chase
N7MTZ - Tony
KC7DBA - Stephanie
QST - All others who would like to join.

2273. TV02A a GO!

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-30 05:36:14 UTC
From: K7JPS - John
Topic: 2273 Message: 2273

Treasure Valley Near Space Project (TVNSP) will launch flight TV02A.

Flight Specifications:

Launch date and time: Saturday, March 30, 2002 at 0630 MST (1330 UTC)

Launch site: Adrian, OR N 43.73 W 117.06

Predicted Burst Altitude: 75,000 ft.

Balloon: 1200 gram latex

Manifest:

Module 1
APRS Tracker on 144.39 MHz
Call sign KD4STH-11,1 min intervals
Also CW beacon, 5 min intervals
Cosmic Ray Telescope
Digital Camera

Module 2
TVNSP T-Shirts & Patches

Recovery System
APRS posits on 144.39 MHz
Call sign KD4STH-1
Audio Beacon

2274. Re: [tvnsp] Launch / Chase Coordination

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-30 05:52:50 UTC
From: Bill Herrmann
Topic: 2272 Message: 2274

At 10:36 PM 3/29/02 -0700, you wrote:
>Launch/Chase Participants

I take it we're a go for launch. I won't be able to help with that, but am loading the patch for APRS+ 2.10 right now. I'll be sure to capture any data I can. All trackers under Paul's KD4STH callsign?

Good luck!

Bill

2275. RE: [tvnsp] Launch / Chase Coordination

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-30 06:19:10 UTC
From: K7JPS - John
Topic: 2272 Message: 2275

Thanks, yes the calls are KD4STH-11, and back-up on KD4STH-1

John
K7JPS

-----Original Message-----
From: Bill Herrmann [mailto:bherrman@...]
Sent: Friday, March 29, 2002 22:53
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] Launch / Chase Coordination

At 10:36 PM 3/29/02 -0700, you wrote:
>Launch/Chase Participants

I take it we're a go for launch. I won't be able to help with that, but am
loading the patch for APRS+ 2.10 right now. I'll be sure to capture any
data I can. All trackers under Paul's KD4STH callsign?

Good luck!

Bill

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2276. Re: TV02A a GO!

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-30 06:30:35 UTC
From: kd7pit
Topic: 2273 Message: 2276

What time do we want to meet in Marsing? Are we then going onto
Adrian? Thanks

Justin KD7PIT

--- In tvnsp@y..., "K7JPS - John" <k7jps@a...> wrote:
> Treasure Valley Near Space Project (TVNSP) will launch flight TV02A.
>
> Flight Specifications:
>
> Launch date and time: Saturday, March 30, 2002 at 0630 MST (1330
UTC)
>
> Launch site: Adrian, OR N 43.73 W 117.06
>
> Predicted Burst Altitude: 75,000 ft.
>
> Balloon: 1200 gram latex
>
> Manifest:
>
> Module 1
> APRS Tracker on 144.39 MHz
> Call sign KD4STH-11,1 min intervals
> Also CW beacon, 5 min intervals
> Cosmic Ray Telescope
> Digital Camera
>
> Module 2
> TVNSP T-Shirts & Patches
>
> Recovery System
> APRS posits on 144.39 MHz
> Call sign KD4STH-1
> Audio Beacon

2277. Re: [tvnsp] TV02A a GO!

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-30 06:35:40 UTC
From: Bill Herrmann
Topic: 2273 Message: 2277

At 10:36 PM 3/29/02 -0700, you wrote:
>Treasure Valley Near Space Project (TVNSP) will launch flight TV02A.

Have fun guys!

Gotta love the vagaries of email. This message hit the border server 1 whole second before the Launch/Chase Coordination message. It took 17 minutes to hit the POP server. The other message took 1 second... (In other words I got the first message 17 minutes after the second one!)

Bill

2278. Re: [tvnsp] Re: TV02A a GO!

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-30 06:37:29 UTC
From: Mike Garske
Topic: 2273 Message: 2278

5am in Marsing, Justin......Talk-in is 147.240, with 147.200 as backup.

Mike KC7DPD
----- Original Message -----
From: "kd7pit" <J_Formolo@...>
To: <tvnsp@yahoogroups.com>
Sent: Friday, March 29, 2002 11:30 PM
Subject: [tvnsp] Re: TV02A a GO!

> What time do we want to meet in Marsing? Are we then going onto
> Adrian? Thanks
>
> Justin KD7PIT
>
>
> --- In tvnsp@y..., "K7JPS - John" <k7jps@a...> wrote:
> > Treasure Valley Near Space Project (TVNSP) will launch flight TV02A.
> >
> > Flight Specifications:
> >
> > Launch date and time: Saturday, March 30, 2002 at 0630 MST (1330
> UTC)
> >
> > Launch site: Adrian, OR N 43.73 W 117.06
> >
> > Predicted Burst Altitude: 75,000 ft.
> >
> > Balloon: 1200 gram latex
> >
> > Manifest:
> >
> > Module 1
> > APRS Tracker on 144.39 MHz
> > Call sign KD4STH-11,1 min intervals
> > Also CW beacon, 5 min intervals
> > Cosmic Ray Telescope
> > Digital Camera
> >
> > Module 2
> > TVNSP T-Shirts & Patches
> >
> > Recovery System
> > APRS posits on 144.39 MHz
> > Call sign KD4STH-1
> > Audio Beacon

>
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>
>
>

2279. Flight Logs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-30 20:35:01 UTC
From: Tony Barrett
Topic: 2279 Message: 2279

Hello everyone,

I've pasted copies of my flight logs below.

The details that are not readily apparent to me are the time stamps. On the -1 machine, I only got 15 reports, and the first 14 came in between 7:00:50 and 7:18:?? (56?) MST, with the 15th and last arriving at 8:06:25. On the -11 machine, I got 343 reports between 7:00:33 and 7:37:15 MST.

Hope this helps.

Tony

KD4STH-1

KD4STH-1>APT202,WIDE3-3:!4344.44N/11703.92WO178/015/A=003136
KD4STH-1>APT202,WIDE3-3:!4344.20N/11703.77WO148/011/A=004369
KD4STH-1>APT202,W7AFM-10*,WIDE3-2:!4344.20N/11703.77WO148/011/A=004369
KD4STH-1>APT202,WIDE3-3:!4344.12N/11703.59WO139/014/A=005550/TVNSP Recovery Beacon
KD4STH-1>APT202,WIDE3-3:!4342.91N/11701.98WO131/044/A=010268
KD4STH-1>APT202,WIDE3-3:!4342.34N/11701.34WO140/049/A=011511/TVNSP Recovery Beacon
KD4STH-1>APT202,W7AFM-10*,WIDE3-2:!4342.34N/11701.34WO140/049/A=011511/TVNSP Recovery Beacon
KD4STH-1>APT202,WIDE3-3:!4341.20N/11659.94WO138/045/A=013926
KD4STH-1>APT202,W7AFM-10*,WIDE3-2:!4341.20N/11659.94WO138/045/A=013926
KD4STH-1>APT202,WIDE3-1:!4340.69N/11659.22WO134/043/A=015149
KD4STH-1>APT202,WIDE3-3:!4339.07N/11656.96WO137/052/A=018916
KD4STH-1>APT202,WIDE3-3:!4337.80N/11655.45WO132/047/A=021370
KD4STH-1>APT202,W7AFM-10*,WIDE3-2:!4337.80N/11655.45WO132/047/A=021370
KD4STH-1>APT202,WIDE3-3:!4336.15N/11653.19WO129/043/A=024844
KD4STH-1>APT202,WIDE3-3:!4311.91N/11617.77WO098/014/A=077282

KD4STH-11

KD4STH-11>APRS,WIDE3-3:TVNSP Kepler III
KD4STH-11>APRS,W7AFM-10*,WIDE3-2:TVNSP Kepler III
KD4STH-11>APRS,WIDE3-1:TVNSP Kepler III
KD4STH-11>APRTLM,W7AFM-10*,WIDE3-2:T#047,093,145,000,255,079,11111111, MIM v1.07
KD4STH-11>APRTLM,WIDE3-3:T#048,101,145,000,255,079,11111111, MIM v1.07
KD4STH-11>APRS,WIDE3-3:TVNSP Kepler III
KD4STH-11>APRTLM,W7AFM-10*,WIDE3-2:T#048,101,145,000,255,079,11111111, MIM v1.07
KD4STH-11>APRS,WIDE3-3:$GPGLL,,,,

KD4STH-11>APRS,W7AFM-10*,WIDE3-2:$GPGLL,,,,
KD4STH-11>APRS,WIDE3-3:TVNSP Kepler III
KD4STH-11>APRS,WIDE3-3:$GPGLL,,,,
KD4STH-11>APRS,W7AFM-10*,WIDE3-2:$GPGLL,,,,
KD4STH-11>APRTLM,WIDE3-3:T#050,101,145,000,255,079,11111111, MIM v1.07
KD4STH-11>APRTLM,W7AFM-10*,WIDE3-2:T#050,101,145,000,255,079,11111111, MIM
v1.07
KD4STH-11>APRS,WIDE3-2:$GPGLL,,,,
KD4STH-11>APRS,W7AFM-10*,WIDE3-1:$GPGLL,,,,
KD4STH-11>APRS,WIDE3-3:$GPGLL,,,,
KD4STH-11>APRTLM,WIDE3-3:T#051,092,145,000,255,079,11111111, MIM v1.07
KD4STH-11>APRS,WIDE3-3:TVNSP Kepler III
KD4STH-11>APRTLM,W7AFM-10*,WIDE3-2:T#051,092,145,000,255,079,11111111, MIM
v1.07
KD4STH-11>APRS,W7AFM-10*,WIDE3-2:TVNSP Kepler III
KD4STH-11>APRTLM,WIDE3-3:T#052,099,145,000,255,079,11111111, MIM v1.07
KD4STH-11>APRS,WIDE3-3:TVNSP Kepler III
KD4STH-11>APRTLM,WIDE3-3:T#054,093,145,000,255,079,11111111, MIM v1.07
KD4STH-11>APRTLM,W7AFM-10*,WIDE3-2:T#054,093,145,000,255,079,11111111, MIM
v1.07
KD4STH-11>APRS,W7AFM-10*,WIDE3-2:TVNSP Kepler III
KD4STH-11>APRS,WIDE3-3:TVNSP Kepler III
KD4STH-11>APRS,W7AFM-10*,WIDE3-2:TVNSP Kepler III
KD4STH-11>APRS,WIDE3-1:TVNSP Kepler III
KD4STH-11>APRS,WIDE3-3:$GPGLL,,,,
KD4STH-11>APRS,W7AFM-10*,WIDE3-2:$GPGLL,,,,
KD4STH-11>APRS,WIDE3-3:TVNSP Kepler III
KD4STH-11>APRS,W7AFM-10*,WIDE3-2:$GPGLL,,,,
KD4STH-11>APRS,WIDE3-3:$GPGLL,,,,
KD4STH-11>APRS,W7AFM-10*,WIDE3-2:$GPGLL,,,,
KD4STH-11>APRTLM,WIDE3-3:T#058,100,145,000,255,079,11111111, MIM v1.07
KD4STH-11>APRTLM,W7AFM-10*,WIDE3-2:T#058,100,145,000,255,079,11111111, MIM
v1.07
KD4STH-11>APRS,WIDE3-3:$GPGGA,140410,4343.9633,N,11703.2360,W,1,08,1.5,2153.2,M,-18.4,M,,/
GPS
FIX
KD4STH-11>APRS,W7AFM-10*,WIDE3-2:$GPGGA,140410,4343.9633,N,11703.2360,W,1,08,1.5,2153.2,M,
-18.4,M,,/GPS
FIX
KD4STH-11>APRS,WIDE3-3:TVNSP Kepler III
KD4STH-11>APRS,W7AFM-10*,WIDE3-2:TVNSP Kepler III
KD4STH-11>APRS,WIDE3-3:$GPGLL,,,,
KD4STH-11>APRS,W7AFM-10*,WIDE3-2:$GPGLL,,,,
KD4STH-11>APRS,WIDE3-1:$GPGLL,,,,
KD4STH-11>APRS,WIDE3-3:$GPGLL,,,,
KD4STH-11>APRS,W7AFM-10*,WIDE3-2:$GPGLL,,,,
KD4STH-11>APRTLM,WIDE3-3:T#060,100,145,000,255,078,11111111, MIM v1.07
KD4STH-11>APRS,WIDE3-3:TVNSP Kepler III
KD4STH-11>APRS,WIDE3-2:TVNSP Kepler III
KD4STH-11>APRTLM,WIDE3-3:T#061,093,145,000,255,078,11111111, MIM v1.07

KD4STH-11>APRTLM,W7AFM-10*,WIDE3-2:T#061,093,145,000,255,078,11111111, MIM
v1.07
KD4STH-11>APRTLM,WIDE3-3:T#062,101,145,000,255,078,11111111, MIM v1.07
KD4STH-11>APRTLM,W7AFM-10*,WIDE3-2:T#062,101,145,000,255,078,11111111, MIM
v1.07
KD4STH-11>APRTLM,WIDE3-1:T#062,101,145,000,255,078,11111111, MIM v1.07
KD4STH-11>APRS,WIDE3-3:$GPGLL,
KD4STH-11>APRS,W7AFM-10*,WIDE3-2:$GPGLL,
KD4STH-11>APRS,WIDE3-3:$GPGLL,,,,
KD4STH-11>APRTLM,WIDE3-3:T#063,001,145,000,255,078,11111111, MIM v1.07
KD4STH-11>APRTLM,WIDE3-3:T#064,100,145,000,255,078,11111111, MIM v1.07
KD4STH-11>APRTLM,W7AFM-10*,WIDE3-2:T#064,100,145,000,255,078,11111111, MIM
v1.07
KD4STH-11>APRS,WIDE3-3:$GPGLL,,,,
KD4STH-11>APRS,W7AFM-10*,WIDE3-2:$GPGLL,,,,
KD4STH-11>APRS,WIDE3-3:TVNSP Kepler III
KD4STH-11>APRS,W7AFM-10*,WIDE3-2:TVNSP Kepler III
KD4STH-11>APRS,W7AFM-10*,WIDE3-2:$GPGLL,,,,
KD4STH-11>APRTLM,WIDE3-3:T#065,100,145,000,255,078,11111111, MIM v1.07
KD4STH-11>APRTLM,W7AFM-10*,WIDE3-2:T#065,100,145,000,255,078,11111111, MIM
v1.07
KD4STH-11>APRS,WIDE3-3:$GPGGA,140624,4343.1291,N,11702.2375,W,1,08,1.3,2964.8,M,-18.4,M,,/
GPS
FIX
KD4STH-11>APRS,W7AFM-10*,WIDE3-2:$GPGGA,140624,4343.1291,N,11702.2375,W,1,08,1.3,2964.8,M,
-18.4,M,,/GPS
FIX
KD4STH-11>APRS,W7AFM-10*,WIDE3-2:$GPGLL,,,,
KD4STH-11>APRS,WIDE3-3:$GPRMC,140638,A,4343.0033,N,11702.0983,W,41.4,146.4,300302,15.6,E,A
/GPS
FIX
KD4STH-11>APRS,W7AFM-10*,WIDE3-2:$GPRMC,140638,A,4343.0033,N,11702.0983,W,41.4,146.4,30030
2,15.6,E,A/GPS
FIX
KD4STH-11>APRS,WIDE3-3:TVNSP Kepler III
KD4STH-11>APRS,WIDE3-2:TVNSP Kepler III
KD4STH-11>APRS,WIDE3-3:$GPGLL,,,,
KD4STH-11>APRS,WIDE3-3:$GPGLL,,,,
KD4STH-11>APRS,W7AFM-10*,WIDE3-2:$GPGLL,,,,
KD4STH-11>APRS,WIDE3-1:$GPGLL,,,,
KD4STH-11>APRTLM,W7AFM-10*,WIDE3-2:T#067,076,145,000,255,078,11111111, MIM
v1.07
KD4STH-11>APRTLM,W7AFM-10*,WIDE3-2:T#068,093,145,000,255,078,11111111, MIM
v1.07
KD4STH-11>APRS,WIDE3-3:TVNSP Kepler III
KD4STH-11>APRS,W7AFM-10*,WIDE3-2:TVNSP Kepler III
KD4STH-11>APRS,WIDE3-3:$GPGLL,
KD4STH-11>APRS,W7AFM-10*,WIDE3-2:$GPGLL,
KD4STH-11>APRS,WIDE3-1:$GPGLL,
KD4STH-11>APRTLM,WIDE3-3:T#070,100,145,000,255,078,11111111, MIM v1.07

KD4STH-11>APRTLM,W7AFM-10*,WIDE3-2:T#070,100,145,000,255,078,11111111, MIM
v1.07
KD4STH-11>APRS,WIDE3-3:$GPGLL,,,,
KD4STH-11>APRS,W7AFM-10*,WIDE3-2:$GPGLL,,,,
KD4STH-11>APRS,WIDE3-3:TVNSP Kepler III
KD4STH-11>APRS,WIDE3-1:TVNSP Kepler III
KD4STH-11>APRS,W7AFM-10*,WIDE3:TVNSP Kepler III
KD4STH-11>APRTLM,WIDE3-3:T#071,127,145,000,255,078,11111111, MIM v1.07
KD4STH-11>APRTLM,WIDE3-1:T#071,127,145,000,255,078,11111111, MIM v1.07
KD4STH-11>APRS,WIDE3-1:$GPGLL,,,,
KD4STH-11>APRS,W7AFM-10*,WIDE3:$GPGLL,,,,
KD4STH-11>APRS,WIDE3-3:$GPGLL,,,,
KD4STH-11>APRS,W7AFM-10*,WIDE3-2:$GPGLL,,,,
KD4STH-11>APRS,WIDE3-3:$GPGLL,,,,
KD4STH-11>APRTLM,WIDE3-3:T#072,001,145,001,255,078,11111111, MIM v1.07
KD4STH-11>APRS,WIDE3-3:TVNSP Kepler III
KD4STH-11>APRS,W7AFM-10*,WIDE3-2:$GPGLL,,,,
KD4STH-11>APRS,WIDE3-3:$GPGGA,140838,4341.8478,N,11700.7524,W,1,08,1.2,3808.8,M,-18.4,M,,/
GPS
FIX
KD4STH-11>APRS,W7AFM-10*,WIDE3-2:$GPGGA,140838,4341.8478,N,11700.7524,W,1,08,1.2,3808.8,M,
-18.4,M,,/GPS
FIX
KD4STH-11>APRS,WIDE3-1:$GPGGA,140838,4341.8478,N,11700.7524,W,1,08,1.2,3808.8,M,-18.4,M,,/
GPS
FIX
KD4STH-11>APRS,WIDE3-3:$GPGLL,,,,
KD4STH-11>APRS,WIDE3-1:$GPGLL,,,,
KD4STH-11>APRS,W7AFM-10*,WIDE3:$GPGLL,,,,
KD4STH-11>APRS,WIDE3-3:$GPGLL,,,,
KD4STH-11>APRTLM,WIDE3-3:T#074,001,145,000,255,078,11111111, MIM v1.07
KD4STH-11>APRS,W7AFM-10*,WIDE3-2:$GPGLL,,,,
KD4STH-11>APRTLM,W7AFM-10*,WIDE3-2:T#074,001,145,000,255,078,11111111, MIM
v1.07
KD4STH-11>APRTLM,W7AFM-10*,WIDE3-2:T#076,101,145,000,255,078,11111111, MIM
v1.07
KD4STH-11>APRS,WIDE3-3:TVNSP Kepler III
KD4STH-11>APRS,W7AFM-10*,WIDE3-2:TVNSP Kepler III
KD4STH-11>APRS,WIDE3-3:$GPGLL,,,,
KD4STH-11>APRS,W7AFM-10*,WIDE3-2:$GPGLL,,,,
KD4STH-11>APRTLM,WIDE3-3:T#078,102,145,000,255,078,11111111, MIM v1.07
KD4STH-11>APRTLM,W7AFM-10*,WIDE3-2:T#078,102,145,000,255,078,11111111, MIM
v1.07
KD4STH-11>APRS,WIDE3-3:$GPGLL,,,,
KD4STH-11>APRS,WIDE3-1:$GPGLL,,,,
KD4STH-11>APRTLM,W7AFM-10*,WIDE3-2:T#079,101,145,000,255,078,11111111, MIM
v1.07
KD4STH-11>APRS,WIDE3-3:$GPGLL,,,,
KD4STH-11>APRS,W7AFM-10*,WIDE3-2:$GPGLL,,,,
KD4STH-11>APRTLM,WIDE3-3:T#080,102,145,000,255,078,11111111, MIM v1.07

KD4STH-11>APRTLM,W7AFM-10*,WIDE3-2:T#080,102,145,000,255,078,11111111, MIM
v1.07
KD4STH-11>APRS,WIDE3-3:TVNSP Kepler III
KD4STH-11>APRS,W7AFM-10*,WIDE3-2:TVNSP Kepler III
KD4STH-11>APRS,WIDE3-1:TVNSP Kepler III
KD4STH-11>APRS,WIDE3-3:$GPGLL,,,,
KD4STH-11>APRS,W7AFM-10*,WIDE3-2:$GPGLL,,,,
KD4STH-11>APRS,WIDE3:$GPGLL,,,,
KD4STH-11>APRS,WIDE3-3:$GPGGA,141138,4340.2928,N,11658.5595,W,1,08,1.1,4912.5,M,-18.4,M,,/
GPS
FIX
KD4STH-11>APRS,W7AFM-10*,WIDE3-2:$GPGGA,141138,4340.2928,N,11658.5595,W,1,08,1.1,4912.5,M,
-18.4,M,,/GPS
FIX
KD4STH-11>APRTLM,WIDE3-1:T#082,131,145,000,255,078,11111111, MIM v1.07
KD4STH-11>APRS,W7AFM-10*,WIDE3:$GPGLL,,,,
KD4STH-11>APRS,WIDE3-3:TVNSP Kepler III
KD4STH-11>APRS,WIDE3-3:$GPRMC,141152,A,4340.1632,N,11658.4018,W,46.9,134.3,300302,15.5,E,A
/GPS
FIX
KD4STH-11>APRS,W7AFM-10*,WIDE3-2:$GPRMC,141152,A,4340.1632,N,11658.4018,W,46.9,134.3,30030
2,15.5,E,A/GPS
FIX
KD4STH-11>APRTLM,WIDE3-3:T#083,001,145,000,255,078,11111111, MIM v1.07
KD4STH-11>APRTLM,W7AFM-10*,WIDE3-2:T#083,001,145,000,255,078,11111111, MIM
v1.07
KD4STH-11>APRS,WIDE3-3:$GPGLL,,,,
KD4STH-11>APRS,W7AFM-10*,WIDE3-2:$GPGLL,,,,
KD4STH-11>APRS,W7AFM-10*,WIDE3-2:TVNSP Kepler III
KD4STH-11>APRS,WIDE3:TVNSP Kepler III
KD4STH-11>APRTLM,WIDE3-3:T#085,096,145,001,255,078,11111111, MIM v1.07
KD4STH-11>APRTLM,W7AFM-10*,WIDE3-2:T#085,096,145,001,255,078,11111111, MIM
v1.07
KD4STH-11>APRTLM,WIDE3-3:T#086,130,145,001,255,077,11111111, MIM v1.07
KD4STH-11>APRTLM,W7AFM-10*,WIDE3-2:T#086,130,145,001,255,077,11111111, MIM
v1.07
KD4STH-11>APRS,WIDE3-3:$GPGLL,,,,
KD4STH-11>APRTLM,WIDE3-3:T#087,001,145,000,255,077,11111111, MIM v1.07
KD4STH-11>APRS,WIDE3-3:TVNSP Kepler III
KD4STH-11>APRS,W7AFM-10*,WIDE3-2:$GPGLL,,,,
KD4STH-11>APRTLM,W7AFM-10*,WIDE3-2:T#087,001,145,000,255,077,11111111, MIM
v1.07
KD4STH-11>APRS,W7AFM-10*,WIDE3-2:TVNSP Kepler III
KD4STH-11>APRTLM,WIDE3-3:T#088,104,145,000,255,077,11111111, MIM v1.07
KD4STH-11>APRS,WIDE3-3:$GPGLL,,,,
KD4STH-11>APRS,WIDE3-2:$GPGLL,,,,
KD4STH-11>APRS,W7AFM-10*,WIDE3-1:$GPGLL,,,,
KD4STH-11>APRTLM,WIDE3-3:T#089,103,145,000,255,077,11111111, MIM v1.07
KD4STH-11>APRTLM,W7AFM-10*,WIDE3-2:T#089,103,145,000,255,077,11111111, MIM
v1.07

KD4STH-11>APRTLM,WIDE3:T#089,103,145,000,255,077,11111111, MIM v1.07
KD4STH-11>APRS,WIDE3-3:$GPGLL,,,,
KD4STH-11>APRS,WIDE3-1:$GPGLL,,,,
KD4STH-11>APRS,WIDE3-3:TVNSP Kepler III
KD4STH-11>APRTLM,W7AFM-10*,WIDE3-2:T#090,103,145,000,255,077,11111111, MIM
v1.07
KD4STH-11>APRS,W7AFM-10*,WIDE3-2:TVNSP Kepler III
KD4STH-11>APRS,WIDE3-3:$GPGLL,,,,
KD4STH-11>APRS,W7AFM-10*,WIDE3-2:$GPGLL,,,,
KD4STH-11>APRS,WIDE3-3:$GPGLL,,,,
KD4STH-11>APRS,W7AFM-10*,WIDE3-2:$GPGLL,,,,
KD4STH-11>APRS,WIDE3-1:$GPGLL,,,,
KD4STH-11>APRTLM,WIDE3-3:T#091,103,145,000,255,077,11111111, MIM v1.07
KD4STH-11>APRTLM,W7AFM-10*,WIDE3-2:T#091,103,145,000,255,077,11111111, MIM
v1.07
KD4STH-11>APRS,WIDE3-2:$GPGGA,141438,4338.5024,N,11656.3012,W,1,08,1.4,6069.3,M,-18.4,M,,/
GPS
FIX
KD4STH-11>APRS,W7AFM-10*,WIDE3-1:$GPGGA,141438,4338.5024,N,11656.3012,W,1,08,1.4,6069.3,M,
-18.4,M,,/GPS
FIX
KD4STH-11>APRS,WIDE3-3:$GPGLL,,,,
KD4STH-11>APRS,WIDE3-3:TVNSP Kepler III
KD4STH-11>APRS,WIDE3-1:TVNSP Kepler III
KD4STH-11>APRTLM,WIDE3-3:T#092,104,145,000,255,077,11111111, MIM v1.07
KD4STH-11>APRTLM,W7AFM-10*,WIDE3-2:T#092,104,145,000,255,077,11111111, MIM
v1.07
KD4STH-11>APRS,WIDE3-1:$GPGLL,,,,
KD4STH-11>APRTLM,WIDE3-3:T#093,087,145,000,255,077,11111111, MIM v1.07
KD4STH-11>APRS,WIDE3-3:TVNSP Kepler III
KD4STH-11>APRTLM,W7AFM-10*,WIDE3-2:T#093,087,145,000,255,077,11111111, MIM
v1.07
KD4STH-11>APRTLM,W7AFM-10*,WIDE3-2:T#094,097,145,000,255,077,11111111, MIM
v1.07
KD4STH-11>APRS,WIDE3-3:TVNSP Kepler III
KD4STH-11>APRS,W7AFM-10*,WIDE3-2:TVNSP Kepler III
KD4STH-11>APRTLM,WIDE3-3:T#095,105,145,000,255,077,11111111, MIM v1.07
KD4STH-11>APRTLM,WIDE3-1:T#095,105,145,000,255,077,11111111, MIM v1.07
KD4STH-11>APRS,WIDE3-3:$GPGLL,
KD4STH-11>APRS,W7AFM-10*,WIDE3-2:$GPGLL,
KD4STH-11>APRTLM,WIDE3-3:T#096,105,144,000,255,077,11111111, MIM v1.07
KD4STH-11>APRS,WIDE3-3:TVNSP Kepler III
KD4STH-11>APRS,W7AFM-10*,WIDE3-2:TVNSP Kepler III
KD4STH-11>APRS,WIDE3-3:$GPGLL,,,,
KD4STH-11>APRTLM,WIDE3-3:T#097,107,144,000,255,077,11111111, MIM v1.07
KD4STH-11>APRTLM,WIDE3-1:T#097,107,144,000,255,077,11111111, MIM v1.07
KD4STH-11>APRS,WIDE3-3:$GPGLL,,,,
KD4STH-11>APRS,W7AFM-10*,WIDE3-2:$GPGLL,,,,
KD4STH-11>APRTLM,W7AFM-10*,WIDE3-2:T#098,106,144,000,255,077,11111111, MIM
v1.07

KD4STH-11>APRS,WIDE3-3:$GPGLL,,,,
KD4STH-11>APRS,W7AFM-10*,WIDE3-2:$GPGLL,,,,
KD4STH-11>APRS,WIDE3-1:$GPGLL,,,,
KD4STH-11>APRTLM,W7AFM-10*,WIDE3-2:T#099,107,144,001,255,077,11111111, MIM
v1.07
KD4STH-11>APRS,W7AFM-10*,WIDE3-2:TVNSP Kepler III
KD4STH-11>APRS,WIDE3-3:$GPGLL,,,,
KD4STH-11>APRS,W7AFM-10*,WIDE3-2:$GPGLL,,,,
KD4STH-11>APRS,W7AFM-10*,WIDE3-2:$GPGLL,,,,
KD4STH-11>APRTLM,W7AFM-10*,WIDE3-2:T#100,001,144,000,255,077,11111111, MIM
v1.07
KD4STH-11>APRTLM,WIDE3:T#100,001,144,000,255,077,11111111, MIM v1.07
KD4STH-11>APRS,WIDE3-3:$GPGLL,,,,
KD4STH-11>APRS,W7AFM-10*,WIDE3-2:$GPGLL,,,,
KD4STH-11>APRS,WIDE3-3:TVNSP Kepler III
KD4STH-11>APRS,WIDE3-2:TVNSP Kepler III
KD4STH-11>APRS,WIDE3-3:$GPGGA,141738,4336.7512,N,11654.0274,W,1,07,1.4,7183.4,M,-18.4,M,,/
GPS
FIX
KD4STH-11>APRS,W7AFM-10*,WIDE3-2:$GPGGA,141738,4336.7512,N,11654.0274,W,1,07,1.4,7183.4,M,
-18.4,M,,/GPS
FIX
KD4STH-11>APRTLM,WIDE3-3:T#102,108,144,000,255,077,11111111, MIM v1.07
KD4STH-11>APRS,W7AFM-10*,WIDE3-2:TVNSP Kepler III
KD4STH-11>APRS,WIDE3-3:$GPGLL,,,,
KD4STH-11>APRS,W7AFM-10*,WIDE3-2:$GPGLL,,,,
KD4STH-11>APRTLM,WIDE3-3:T#103,092,144,000,255,077,11111111, MIM v1.07
KD4STH-11>APRTLM,W7AFM-10*,WIDE3-2:T#103,092,144,000,255,077,11111111, MIM
v1.07
KD4STH-11>APRTLM,WIDE3-3:T#104,105,144,000,255,077,11111111, MIM v1.07
KD4STH-11>APRTLM,W7AFM-10*,WIDE3-2:T#104,105,144,000,255,077,11111111, MIM
v1.07
KD4STH-11>APRS,WIDE3-3:TVNSP Kepler III
KD4STH-11>APRS,WIDE3-3:$GPGLL,,,,
KD4STH-11>APRTLM,WIDE3-3:T#106,111,144,000,255,077,11111111, MIM v1.07
KD4STH-11>APRTLM,W7AFM-10*,WIDE3-2:T#106,111,144,000,255,077,11111111, MIM
v1.07
KD4STH-11>APRS,WIDE3-3:TVNSP Kepler III
KD4STH-11>APRS,W7AFM-10*,WIDE3-2:TVNSP Kepler III
KD4STH-11>APRTLM,WIDE3-3:T#107,001,144,000,255,077,11111111, MIM v1.07
KD4STH-11>APRTLM,W7AFM-10*,WIDE3-2:T#107,001,144,000,255,077,11111111, MIM
v1.07
KD4STH-11>APRTLM,WIDE3-1:T#107,001,144,000,255,077,11111111, MIM v1.07
KD4STH-11>APRTLM,W7AFM-10*,WIDE3-2:T#108,112,144,000,255,076,11111111, MIM
v1.07
KD4STH-11>APRS,W7AFM-10*,WIDE3-2:TVNSP Kepler III
KD4STH-11>APRS,WIDE3-3:$GPGLL,,,,
KD4STH-11>APRS,W7AFM-10*,WIDE3-2:$GPGLL,,,,
KD4STH-11>APRTLM,WIDE3-3:T#109,112,144,000,255,076,11111111, MIM v1.07
KD4STH-11>APRS,WIDE3-3:$GPGLL,,,,

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KD4STH-11>APRTLM,WIDE3-1:T#109,112,144,000,255,076,11111111, MIM v1.07
KD4STH-11>APRTLM,W7AFM-10*,WIDE3:T#109,112,144,000,255,076,11111111, MIM v1.07
KD4STH-11>APRS,WIDE3-3:$GPGLL,,,,
KD4STH-11>APRS,W7AFM-10*,WIDE3-2:$GPGLL,,,,
KD4STH-11>APRTLM,WIDE3-3:T#110,113,144,000,255,076,11111111, MIM v1.07
KD4STH-11>APRTLM,W7AFM-10*,WIDE3-2:T#110,113,144,000,255,076,11111111, MIM
v1.07
KD4STH-11>APRS,WIDE3-3:$GPGGA,142038,4335.1161,N,11651.7451,W,1,07,1.4,8258.0,M,-18.4,M,,/
GPS
FIX
KD4STH-11>APRS,W7AFM-10*,WIDE3-2:$GPGGA,142038,4335.1161,N,11651.7451,W,1,07,1.4,8258.0,M,
-18.4,M,,/GPS
FIX
KD4STH-11>APRTLM,WIDE3-3:T#111,114,144,001,255,076,11111111, MIM v1.07
KD4STH-11>APRS,WIDE3-3:TVNSP Kepler III
KD4STH-11>APRTLM,WIDE3-3:T#112,113,143,001,255,076,11111111, MIM v1.07
KD4STH-11>APRS,W7AFM-10*,WIDE3-2:TVNSP Kepler III
KD4STH-11>APRTLM,WIDE3-3:T#113,103,143,000,255,076,11111111, MIM v1.07
KD4STH-11>APRTLM,W7AFM-10*,WIDE3-2:T#113,103,143,000,255,076,11111111, MIM
v1.07
KD4STH-11>APRS,W7AFM-10*,WIDE3-2:TVNSP Kepler III
KD4STH-11>APRTLM,WIDE3-3:T#115,116,143,001,255,076,11111111, MIM v1.07
KD4STH-11>APRTLM,W7AFM-10*,WIDE3-2:T#115,116,143,001,255,076,11111111, MIM
v1.07
KD4STH-11>APRS,WIDE3-3:$GPGLL,
KD4STH-11>APRS,W7AFM-10*,WIDE3-2:$GPGLL,
KD4STH-11>APRS,WIDE3-3:$GPGLL,,,,
KD4STH-11>APRTLM,WIDE3-3:T#116,117,143,001,255,076,11111111, MIM v1.07
KD4STH-11>APRTLM,W7AFM-10*,WIDE3-2:T#116,117,143,001,255,076,11111111, MIM
v1.07
KD4STH-11>APRS,WIDE3-3:$GPGLL,,,,
KD4STH-11>APRS,W7AFM-10*,WIDE3-2:$GPGLL,,,,
KD4STH-11>APRTLM,W7AFM-10*,WIDE3-2:T#119,001,143,000,255,076,11111111, MIM
v1.07
KD4STH-11>APRS,W7AFM-10*,WIDE3-2:$GPGLL,,,,
KD4STH-11>APRTLM,WIDE3-3:T#120,118,143,001,255,076,11111111, MIM v1.07
KD4STH-11>APRTLM,W7AFM-10*,WIDE3-2:T#120,118,143,001,255,076,11111111, MIM
v1.07
KD4STH-11>APRS,WIDE3-3:TVNSP Kepler III
KD4STH-11>APRS,W7AFM-10*,WIDE3-2:TVNSP Kepler III
KD4STH-11>APRS,WIDE3:TVNSP Kepler III
KD4STH-11>APRS,WIDE3:TVNSP Kepler III
KD4STH-11>APRS,WIDE3-3:$GPGLL,,,,
KD4STH-11>APRS,W7AFM-10*,WIDE3-2:$GPGLL,,,,
KD4STH-11>APRTLM,WIDE3-3:T#126,123,142,001,255,075,11111111, MIM v1.07
KD4STH-11>APRTLM,W7AFM-10*,WIDE3-2:T#126,123,142,001,255,075,11111111, MIM
v1.07
KD4STH-11>APRS,WIDE3-3:TVNSP Kepler III
KD4STH-11>APRS,W7AFM-10*,WIDE3-2:TVNSP Kepler III
KD4STH-11>APRS,W7AFM-10*,WIDE3-2:$GPGLL,,,,
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KD4STH-11>APRTLM,WIDE3-3:T#129,124,142,001,255,075,11111111, MIM v1.07
KD4STH-11>APRTLM,WIDE3-3:T#130,124,142,001,255,075,11111111, MIM v1.07
KD4STH-11>APRS,WIDE3-3:TVNSP Kepler III
KD4STH-11>APRTLM,WIDE3:T#131,001,142,000,255,075,11111111, MIM v1.07
KD4STH-11>APRS,WIDE3-3:$GPGLL,,,,
KD4STH-11>APRS,W7AFM-10*,WIDE3-2:$GPGLL,,,,
KD4STH-11>APRS,WIDE3-3:$GPGLL,,,,
KD4STH-11>APRS,WIDE3-1:$GPGLL,,,,
KD4STH-11>APRTLM,WIDE3-3:T#139,131,141,001,255,074,11111111, MIM v1.07
KD4STH-11>APRTLM,W7AFM-10*,WIDE3-2:T#139,131,141,001,255,074,11111111, MIM
v1.07
KD4STH-11>APRTLM,WIDE3-1:T#139,131,141,001,255,074,11111111, MIM v1.07
KD4STH-11>APRS,WIDE3-3:TVNSP Kepler III
KD4STH-11>APRTLM,W7AFM-10*,WIDE3-2:T#140,000,141,001,000,073,11111111, MIM
v1.07
KD4STH-11>APRS,W7AFM-10*,WIDE3-2:$GPGLL,,,,
KD4STH-11>APRS,WIDE3-1:$GPGLL,,,,
KD4STH-11>APRTLM,WIDE3-3:T#145,136,140,001,255,072,11111111, MIM v1.07
KD4STH-11>APRTLM,W7AFM-10*,WIDE3-2:T#145,136,140,001,255,072,11111111, MIM
v1.07
KD4STH-11>APRTLM,WIDE3-1:T#146,136,140,001,255,072,11111111, MIM v1.07
KD4STH-11>APRS,WIDE3:TVNSP Kepler III
KD4STH-11>APRS,WIDE3-3:$GPGLL,,,,
KD4STH-11>APRS,W7AFM-10*,WIDE3-2:$GPGLL,,,,
KD4STH-11>APRS,WIDE3-3:TVNSP Kepler III
KD4STH-11>APRS,WIDE3-2:TVNSP Kepler III
KD4STH-11>APRS,W7AFM-10*,WIDE3-1:TVNSP Kepler III
KD4STH-11>APRTLM,WIDE3-3:T#149,138,140,001,255,072,11111111, MIM v1.07
KD4STH-11>APRTLM,W7AFM-10*,WIDE3-2:T#149,138,140,001,255,072,11111111, MIM
v1.07
KD4STH-11>APRTLM,WIDE3-3:T#150,138,140,001,255,071,11111111, MIM v1.07
KD4STH-11>APRS,WIDE3-3:TVNSP Kepler III
KD4STH-11>APRS,W7AFM-10*,WIDE3:TVNSP Kepler III
KD4STH-11>APRTLM,WIDE3-3:T#152,140,139,001,255,071,11111111, MIM v1.07
KD4STH-11>APRTLM,W7AFM-10*,WIDE3-2:T#152,140,139,001,255,071,11111111, MIM
v1.07
KD4STH-11>APRS,WIDE3-3:$GPGLL,
KD4STH-11>APRS,WIDE3-1:$GPGLL,
KD4STH-11>APRS,W7AFM-10*,WIDE3:$GPGLL,
KD4STH-11>APRTLM,WIDE3-3:T#153,140,139,001,255,070,11111111, MIM v1.07
KD4STH-11>APRS,SHEPRD,WIDE3*:TVNSP Kepler III
KD4STH-11>APRS,WIDE3-3:$GPGLL,,,,
KD4STH-11>APRS,WIDE3-2:$GPGLL,,,,
KD4STH-11>APRS,W7AFM-10*,WIDE3-1:$GPGLL,,,,
KD4STH-11>APRTLM,WIDE3-3:T#154,142,139,001,255,070,11111111, MIM v1.07
KD4STH-11>APRTLM,W7AFM-10*,WIDE3-2:T#154,142,139,001,255,070,11111111, MIM
v1.07
KD4STH-11>APRTLM,WIDE3-1:T#154,142,139,001,255,070,11111111, MIM v1.07
KD4STH-11>APRS,WIDE3-3:TVNSP Kepler III
KD4STH-11>APRS,W7AFM-10*,WIDE3-2:TVNSP Kepler III

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KD4STH-11>APRTLM,WIDE3-3:T#155,170,139,001,255,070,11111111, MIM v1.07
KD4STH-11>APRTLM,W7AFM-10*,WIDE3-2:T#155,170,139,001,255,070,11111111, MIM
v1.07
KD4STH-11>APRS,W7AFM-10*,WIDE3-2:$GPGLL,,,,
KD4STH-11>APRS,WIDE3-3:TVNSP Kepler III
KD4STH-11>APRS,W7AFM-10*,WIDE3-2:TVNSP Kepler III
KD4STH-11>APRTLM,WIDE3-3:T#158,080,173,000,255,068,11111111, MIM v1.07
KD4STH-11>APRTLM,W7AFM-10*,WIDE3-2:T#158,080,173,000,255,068,11111111, MIM
v1.07
KD4STH-11>APRTLM,WIDE3-3:T#159,084,171,000,255,068,11111111, MIM v1.07
KD4STH-11>APRTLM,W7AFM-10*,WIDE3-2:T#159,084,171,000,255,068,11111111, MIM
v1.07
KD4STH-11>APRTLM,WIDE3-3:T#160,085,172,000,255,068,11111111, MIM v1.07
KD4STH-11>APRTLM,W7AFM-10*,WIDE3-2:T#160,085,172,000,255,068,11111111, MIM
v1.07
KD4STH-11>APRS,WIDE3-3:TVNSP Kepler III
KD4STH-11>APRS,W7AFM-10*,WIDE3-2:TVNSP Kepler III
KD4STH-11>APRTLM,WIDE3-3:T#161,085,174,000,255,068,11111111, MIM v1.07
KD4STH-11>APRTLM,W7AFM-10*,WIDE3-2:T#161,085,174,000,255,068,11111111, MIM
v1.07
KD4STH-11>APRTLM,WIDE3-1:T#161,085,174,000,255,068,11111111, MIM v1.07
KD4STH-11>APRTLM,WIDE3-3:T#162,086,175,000,255,068,11111111, MIM v1.07
KD4STH-11>APRTLM,WIDE3-1:T#162,086,175,000,255,068,11111111, MIM v1.07
KD4STH-11>APRTLM,WIDE3-3:T#163,088,175,000,255,068,11111111, MIM v1.07
KD4STH-11>APRTLM,W7AFM-10*,WIDE3-2:T#163,088,175,000,255,068,11111111, MIM
v1.07
```

2280. TV02A Analysis

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-30 22:22:15 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2280 Message: 2280

It was an outstanding launch. We accomplished it in only about 30 minutes. Justin, I hope things work out about your car.

So far, looking at Tony's log (which is the most complete I have seen), I can tell the command module did not reset itself. There is no apparent GPS failure because the flight computer would have announced it. If the BS2p does not recieve data from the GPS, it goes into a GPS error routine.

The telemetry records from the MIM (which do not depend on the BS2p) did not reset themselves either. There is some flucuation in voltage values. I'll look up my documentation and determine which voltages changed significantly.

Most data from the command module was not recieved. I know there was some information on pictures being taken, but these messages do not show up in Tony's log. I'll need to look at someone elses log. Tony, can you send me your entire log? You probably have the data, they will appear after the GGL sentence.

The Tiny Trak sent out only a few posits. There's no apparent source of error.

I wonder if the radios failed or interfered with each other.

Paul

2281. TV02A pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-30 22:25:57 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2281 Message: 2281

John, we need to make updated predictions for the landing site.
Let's run them from 77,000 feet to 90,000 feet.

Jeff, can we ask your ultralight pilot friends about searching the
predicting landing site?

I have a Vertex HT at home along with a KPC 3+. I'm going to set
up a new tracker using them along with an Etrex and BS2p. I'll try
having the Etrex send data to the BS2p which will then send data
to the KPC.

Mark, on your flight computer, have you installed the MIM? If not,
which TNC are you using?

For the next flight, I'd like to try a tethered one. We'll hoist the
entire stack up and let it hang there for a couple of hours.

Paul

2286. Re: [tvnsp] TV02A pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-30 23:16:34 UTC
From: Zack Clobes
Topic: 2281 Message: 2286

I'm taking it that the capsule didn't make it home?

As for the condensation theory - we ran into condensation on our first flight last year. The capsule came back down through a rain cloud at about 8,000' and started making funny noises before it went silent. We seemed to be able to track the culprit down to the controller board itself - it was an unprotected home-grown board. We could cool it with circuit coolant on the bench and has the frost thawed, we got the same result as those we heard in the air. Since then we coat our controller boards very generously with conformal coating (I believe that's what it's called). It has sort of a sweet smell when wet/fresh. It leaves the board with a slightly glossy finish.

In our case though, we got lucky. It almost seems like the impact with the ground knocked the condensation off of the board enough for it to come back to life and we were only about 3 miles away from it. We've never seem condensation affect commercially built equipment (which is normally treated) even though I'm sure we're operating it out of spec (100% condensing humidity).

On our second flight which was coated, we recovered the capsule within a few minutes of touchdown and I've got a pretty good picture of the water droplets on the controller board/equipment - it was still running.

One other piece of wisdom which I picked up from a friend of a friend of a friend. Never use the gray peanuts that dissolve in water. I understand the Wichita, KS group lost track of a capsule (this may have been pre-GPS days... I'm not sure). When they finally did recover the capsule, there were some circuit boards in the bottom of a Styrofoam box with sticky white goop all over them.. :-)

Just to help fill me in - what exactly was the flight configuration as far as separate capsules/systems?
Thanks,
Zack Clobes, W0ZC
Project: Traveler
----- Original Message -----
From: verhap@...
To: tvnsp@yahoogroups.com
Sent: Saturday, March 30, 2002 4:25 PM
Subject: [tvnsp] TV02A pt 2

John, we need to make updated predictions for the landing site.
Let's run them from 77,000 feet to 90,000 feet.

Jeff, can we ask your ultralight pilot friends about searching the
predicting landing site?

I have a Vertex HT at home along with a KPC 3+. I'm going to set
up a new tracker using them along with an Etrex and BS2p. I'll try
having the Etrex send data to the BS2p which will then send data

to the KPC.

Mark, on your flight computer, have you installed the MIM? If not, which TNC are you using?

For the next flight, I'd like to try a tethered one. We'll hoist the entire stack up and let it hang there for a couple of hours.

Paul

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2287. Ultralight pilots not available.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-30 23:34:51 UTC
From: Jeff Melanson
Topic: 2287 Message: 2287

verhap@... wrote:
>
> Jeff, can we ask your ultralight pilot friends about searching the
> predicting landing site?
>

Paul,

My ultralight pilot friend moved away some months ago. I am
no longer in contact with any members of whatever local
groups there might be.

Jeff
KD7INN

2288. TinyTrak II and tape review

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-31 00:45:50 UTC
From: Mark Conner
Topic: 2288 Message: 2288

The TinyTrak II will lock up if it gets too much RF into it. The transmitter will stay keyed on until the power is cut to the board. That's what happened to me earlier in the week, causing me to change the antennas around.

I had problems today with VHF RF getting into the camcorder - it would tear up the recording when it was keyed on. The UHF transmitter can also be heard in the tape audio as a buzz, but it doesn't affect the picture.

I just reviewed the video tape. The tape recorded for about 1 hr 40 min again - probably the batteries dropped out. It's possible that the cooling on descent is causing a problem too - will check the thermochron later. Other than the VHF backup beacon hammering the recorder every 30 seconds, the tape looks fairly good. One problem is that I did not override the autofocus when I turned on the camera, so it had some problems finding a sharp target to focus on at times; otherwise, not bad.

- Mark

----- Original Message -----
From: <VERHAP@...>
To: "Mark Conner" <n9xtn@...>
Sent: Saturday, March 30, 2002 15:32
Subject: Re: [KNSP] Last update

> > I tested all the payloads one more time this afternoon. I
> > changed the backup beacon to the better antenna because the
other
> > one was causing the TinyTrak to lock up. For some reason the
UHF
> > transmitter doesn't seem to bother anything either way.
> > Otherwise it's good to go.
>
> Mark, we had a Tiny Trak fail and not send posits early in the
flight.
> Can you tell me more about what happened?
>
> Paul

2289. Re: [tvnsp] TV02A pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-31 00:50:15 UTC
From: Stephanie Steele
Topic: 2281 Message: 2289

My thoughts are that a less expensive alternative to a tethered flight would be to simply run the flight ready equipment in a vehicle mobile until failure. You could throw a trip to Bogus in for altitude testing and running it until failure would give us some real life run time estimates for the batteries.....or we can keep flying unproven hardware.

Stephanie

verhap@... wrote:

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to the KPC.

Mark, on your flight computer, have you installed the MIM? If not,
which TNC are you using?

For the next flight, I'd like to try a tethered one. We'll hoist the
entire stack up and let it hang there for a couple of hours.

Paul

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--
Stephanie

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"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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2290. Re: [tvnsp] TV02A pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-31 02:12:35 UTC
From: Mark Conner
Topic: 2281 Message: 2290

I have not used the MIM on my flights at all. I'm using a KPC-3 v6.0 for the TNC.

I have a full log from the Internet feed, which should include all the traffic from KD4STH-* that made it to an I-gate. I'll grep out the calls and forward it if interested.

- Mark

Mark, on your flight computer, have you installed the MIM? If not,
which TNC are you using?

2291. Re: [tvnsp] TV02A pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-31 03:24:59 UTC
From: Zack Clobes
Topic: 2281 Message: 2291

I hang my capsules from a tree branch while testing all transmitters together. I would guess someone has a 30' tower that would let you place a horizontal stand-off with a pulley on it to hoist the capsule up a little further.

As for the test estimates - keep in mind that temperature affect battery life as much as anything - putting them in the freezer will give you a pretty good indication of actual time.

Speaking of batteries, what type of battery does TVNSP fly?

Zack
----- Original Message -----
From: Stephanie Steele
To: tvnsp@yahoogroups.com
Sent: Saturday, March 30, 2002 6:50 PM
Subject: Re: [tvnsp] TV02A pt 2

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entire stack up and let it hang there for a couple of hours.

Paul

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--
Stephanie

****

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Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
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President Thomas Jefferson.
1743-1826

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2292. recovery effort

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-31 03:49:00 UTC
From: Hank Riley
Topic: 2288 Message: 2292

Could someone describe what areas were searched Saturday
for the balloon?

_____
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2293. Re: [tvnsp] Ultralight pilots not available.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-31 04:00:43 UTC
From: Bill Herrmann
Topic: 2287 Message: 2293

At 04:34 PM 3/30/02 -0700, you wrote:
>My ultralight pilot friend moved away some months ago.

Tony - Have you by any chance contacted Kurt L.? He might be willing to help search.

Bill

2294. TNC Setting

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-31 04:19:16 UTC
From: Zack Clobes
Topic: 2294 Message: 2294

I hard-reset my KPC-3 TNC tonight and I'm trying to figure out all of my old settings. Can anyone tell me what command it is to get it to stop putting a new line after the callsign (see below)

W0WR>APRS:
$GPGGA,041144,3804.3225,N,09756.1136,W,1,04,2.5,504.0,M,-26.7,M,,*79

Thanks,
Zack

2296. Re: [tvnsp] TV02A pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-31 04:20:39 UTC
From: John Knapp
Topic: 2281 Message: 2296

Can one of you please send me the lat-long and
altitude of the launch. I will do some prediction
calculations also.

John - KD7HGS

--- verhap@... wrote:
> John, we need to make updated predictions for the
> landing site.
> Let's run them from 77,000 feet to 90,000 feet.
>
> Jeff, can we ask your ultralight pilot friends about
> searching the
> predicting landing site?
>
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> then send data
> to the KPC.
>
> Mark, on your flight computer, have you installed
> the MIM? If not,
> which TNC are you using?
>
> For the next flight, I'd like to try a tethered one.
> We'll hoist the
> entire stack up and let it hang there for a couple
> of hours.
>
> Paul
>

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2298. post flight landing spot estimates

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-31 05:15:45 UTC
From: Hank Riley
Topic: 2281 Message: 2298

From the TVNSP list late Friday:

Launch site: Adrian, OR N 43.73 W 117.06

I suggest using an ascent speed of 1140 feet per minute,
because that's the average from 3k feet to 77k feet.
I'll get the altitude in a minute, although if you use 1000 feet
you probably won't be far enough off to make much of a difference.

I'm going to be doing this prediction work for a few more hours.

The sounding from U Wyoming don't seem to go higher than 100
millibars for Boise and several other stations for Saturday,
12 UTC which is unfortunate.

I'm using a composite wind file and then modifying it to
conform to the reported 77k foot balloon position.

Hank

> Can one of you please send me the lat-long and
> altitude of the launch. I will do some prediction
> calculations also.
>
> John - KD7HGS

_____
Do You Yahoo!?
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http://greetings.yahoo.com/

2299. Re: post flight landing spot estimates

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-31 05:26:37 UTC
From: Hank Riley
Topic: 2281 Message: 2299

> From the TVNSP list late Friday:
>
> Launch site: Adrian, OR N 43.73 W 117.06

altitude looks like 2300 feet roughly

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http://greetings.yahoo.com/

2301. Re: [tvnsp] Re: post flight landing spot estimates

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-31 06:03:14 UTC
From: Hank Riley
Topic: 2281 Message: 2301

> > From the TVNSP list late Friday:
> >
> > Launch site: Adrian, OR N 43.73 W 117.06
> altitude looks like 2300 feet roughly

The 2300 came from an electronic topo map here on
my PC for the launch location in Adrian.

For further confirmation here's the USGS listing
for the town of Adrian; altitude is usually taken
at town hall.

Feature Name: Adrian
Elevation: 2228
Estimated Population (1994): 136
State: Oregon
County: Malheur
Variant Name(s) Riverview
USGS 7.5' x 7.5' Map: Adrian
Latitude: 43 44 27N
Longitude: 117 04 15W

Do You Yahoo!?
Yahoo! Greetings - send holiday greetings for Easter, Passover
http://greetings.yahoo.com/

2302. Re: [tvnsp] Re: post flight landing spot estimates

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-31 06:43:27 UTC
From: Bill Herrmann
Topic: 2281 Message: 2302

At 10:03 PM 3/30/02 -0800, you wrote:
> > > Launch site: Adrian, OR N 43.73 W 117.06
> > altitude looks like 2300 feet roughly

TopoUSA was showing 2238 feet. (Note I've only got the USA version.
Eventually I'll get the more detailed ones.)

I'm not sure I've seen the earlier predictions on the list. (though it
looks like some messages may not be getting to me...)

Prediction using 77k burst altitude = N 42.8796 W 115.8098
Prediction using 85k burst altitude = N 42.8498 W 115.7459

Both are a little over 2500 feet in altitude according to TopoUSA.

Bill

2303. Re: [tvnsp] Pilot Available!

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-31 10:42:20 UTC
From: Mike Garske
Topic: 2287 Message: 2303

I would go flying with him Tony! Even on Easter Sunday......just tell me
where and when to meet him and I will be there! My phone number is 846-9219
if he needs to call me.

Mike KC7DPD

----- Original Message -----
From: "Tony Barrett" <tonybarrett@...>
To: <tvnsp@yahoogroups.com>
Cc: "Kurt Larson" <kclarson@...>
Sent: Saturday, March 30, 2002 10:05 PM
Subject: [tvnsp] Pilot Available!

> Hello Team,
>
> Bill Herrmann had a great idea, so I took his suggestion and followed up.
>
> I just spoke to a pilot ham friend of mine, Kurt Larson. Kurt's ham call
> is AC7ME. Kurt owns his own plane and it is specially built to fly long
> and slow. It even has a camera port in the belly.
>
> Kurt has plans for tomorrow, Easter Sunday, but he said there is an
outside
> chance his family activities might finish up early enough to allow him to
> fly a search mission. I'm sure he'd enjoy a passenger or two. Any
> volunteers? If Kurt can't break free tomorrow, he sounded excited about
> trying this on another day very soon.
>
> Kurt said he wouldn't mind if I shared his phone number with the
> group. Its 376-7475. He's listed in phone book. I've also copied Kurt
on
> this message so you can contact him via e-mail at his address shown on the
> cc line above: <kclarson@...>.
>
> Kurt asked me to send along the last known position, heading, speed, etc.
> so he can plot a search pattern.
>
> All of the flight path we know about was on a heading of about 134 degrees
> out of Adrian, Oregon. Its last reported position was from an altitude of
> 77,282 feet, latitude 4311.91 north, and longitude 11617.77 west. This
> report came in at 8:06 AM, 66 minutes into the flight and the average
speed
> had been about 49 miles per hour. All position reports fell on that 134
> degree line out of Adrian, even the last one, but the last report gave a
> heading of 98 degrees and a speed of 14 miles per hour. We don't know if
> the balloon was ascending or descending at that time. We're guessing,

> given the rate of climb and elapsed time, it was still on its way
> up. Taking all the information we have into account, the latest
prediction
> I heard was for touch down about 9:16 AM, a full 70 minutes after the last
> report. If someone has a better idea of where to search, we need to let
> Kurt know. We're thinking north east of Bruneau now.
>
> I'm not sure I will be free anytime tomorrow, but don't wait for me. Kurt
> is a heck of a nice guy and he loves just about any excuse to fly, so I'll
> let anyone out there contact Kurt directly, either by phone or email, or
> let Kurt post a message to the group when he might be ready to fly and how
> many seats he has open. I think Paul may have met Kurt at the HP BARC
> meeting in January where he gave us the full TVNSP pitch.
>
> Paul, or anyone else, Kurt said it would be fine to give him a call or
drop
> him a line. Just introduce yourself, or I'd be glad to help out, but
don't
> feel like you have to wait for me.
>
> The adventure continues, ...
>
> N7MTZ
>
> At 09:00 PM 3/30/02 -0700, you wrote:
> >At 04:34 PM 3/30/02 -0700, you wrote:
> > >My ultralight pilot friend moved away some months ago.
> >
> >Tony - Have you by any chance contacted Kurt L.? He might be willing to
> >help search.
> >
> >Bill
> >
> >
> >
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> >1f06224.jpg
> >
> >To unsubscribe from this group, send an email to:
> >tvnsp-unsubscribe@egroups.com
> >
> >
> >
> >Your use of Yahoo! Groups is subject to the

> ><http://docs.yahoo.com/info/terms/>Yahoo! Terms of Service.
>

>

2304. TV02A Ground Photo Analysis

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-31 11:11:33 UTC
From: Mike Garske
Topic: 2304 Message: 2304
Attachments: 1 described; binary payloads are missing from this source WARC

Group,

Just thought I would share a photo that might bolster the theory sent out about the TinyTrak getting too much RF into it and shutting down. I took pictures of the stack before launch and noticed something that we might have caught on the ground. I saw that the backup beacon antenna was on the same side as the other main antenna. It is also not supported by any thing to keep it from wrapping itself around the other antenna and causing havoc. Could this have been a likely cause?

Dan, KD7MVO, do you have any pictures of the stack that might show this?

Mike KC7DPD

2305. TVNSP landing spot estimate maps

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-31 11:13:57 UTC
From: Hank Riley
Topic: 2305 Message: 2305
Attachments: 3 described; binary payloads are missing from this source WARC

This is what I could come up with in the last few hours. I
tried to download a newer version of the Balltrack which does
some of this automatically, but got a corrupt file, so
that was the end of that idea (I just keep an older version
without all the fancy stuff).

A lot of stuff of calculations an estimates went into this.
Right now I'm too tired to explain all the details, but suffice
to say that 1140 feet per minute is the average speed of
ascent for the balloon according to the good packet info.
The speed and heading of the upper level winds is quite consistent
with the speed of the balloon which I calculated from ground
level to something like 27,000 feet in steps according to packet
info available.

Then, after building artificial composite wind files to feed
Balltrack, the results were plotted on three topo maps for burst heights of
80, 85, and 90k. Working backwards from the 1140
ascent, LIFTWIN predicts a burst around 85k. A descent speed
of 1400 ft/min. was used because this was mentioned on list.

The one mistake I might have made is to have the landing spots
too far west by a couple of miles. That would place them closer
to the air force base to the east.

My thought is that the balloon will be not too far from
a little east of Grand View.

Hank

____
Send and receive Hotmail on your mobile device: http://mobile.msn.com

2306. Re: [tvnsp] Pilot Available!

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-31 11:14:37 UTC
From: Mike Garske
Topic: 2287 Message: 2306

Ok, now I will read the rest of the email, I will email Kurt!

Mike KC7DPD
----- Original Message -----
From: "Mike Garske" <kc7dpd@...>
To: <tvnsp@yahoogroups.com>
Sent: Sunday, March 31, 2002 3:42 AM
Subject: Re: [tvnsp] Pilot Available!

> I would go flying with him Tony! Even on Easter Sunday......just tell me
> where and when to meet him and I will be there! My phone number is
846-9219
> if he needs to call me.
>
> Mike KC7DPD
>
>
> ----- Original Message -----
> From: "Tony Barrett" <tonybarrett@...>
> To: <tvnsp@yahoogroups.com>
> Cc: "Kurt Larson" <kclarson@...>
> Sent: Saturday, March 30, 2002 10:05 PM
> Subject: [tvnsp] Pilot Available!
>
>
> > Hello Team,
> >
> > Bill Herrmann had a great idea, so I took his suggestion and followed
up.
> >
> > I just spoke to a pilot ham friend of mine, Kurt Larson. Kurt's ham
call
> > is AC7ME. Kurt owns his own plane and it is specially built to fly long
> > and slow. It even has a camera port in the belly.
> >
> > Kurt has plans for tomorrow, Easter Sunday, but he said there is an
> outside
> > chance his family activities might finish up early enough to allow him
to
> > fly a search mission. I'm sure he'd enjoy a passenger or two. Any
> > volunteers? If Kurt can't break free tomorrow, he sounded excited about
> > trying this on another day very soon.
> >
> > Kurt said he wouldn't mind if I shared his phone number with the
> > group. Its 376-7475. He's listed in phone book. I've also copied Kurt

> on
> > this message so you can contact him via e-mail at his address shown on
the
> > cc line above: <kclarson@...>.
> >
> > Kurt asked me to send along the last known position, heading, speed,
etc.
> > so he can plot a search pattern.
> >
> > All of the flight path we know about was on a heading of about 134
degrees
> > out of Adrian, Oregon. Its last reported position was from an altitude
of
> > 77,282 feet, latitude 4311.91 north, and longitude 11617.77 west. This
> > report came in at 8:06 AM, 66 minutes into the flight and the average
> speed
> > had been about 49 miles per hour. All position reports fell on that 134
> > degree line out of Adrian, even the last one, but the last report gave a
> > heading of 98 degrees and a speed of 14 miles per hour. We don't know
if
> > the balloon was ascending or descending at that time. We're guessing,
> > given the rate of climb and elapsed time, it was still on its way
> > up. Taking all the information we have into account, the latest
> prediction
> > I heard was for touch down about 9:16 AM, a full 70 minutes after the
last
> > report. If someone has a better idea of where to search, we need to let
> > Kurt know. We're thinking north east of Bruneau now.
> >
> > I'm not sure I will be free anytime tomorrow, but don't wait for me.
Kurt
> > is a heck of a nice guy and he loves just about any excuse to fly, so
I'll
> > let anyone out there contact Kurt directly, either by phone or email, or
> > let Kurt post a message to the group when he might be ready to fly and
how
> > many seats he has open. I think Paul may have met Kurt at the HP BARC
> > meeting in January where he gave us the full TVNSP pitch.
> >
> > Paul, or anyone else, Kurt said it would be fine to give him a call or
> drop
> > him a line. Just introduce yourself, or I'd be glad to help out, but
> don't
> > feel like you have to wait for me.
> >
> > The adventure continues, ...
> >
> > N7MTZ
> >
> > At 09:00 PM 3/30/02 -0700, you wrote:

> > >At 04:34 PM 3/30/02 -0700, you wrote:
> > > >My ultralight pilot friend moved away some months ago.
> > >
> > >Tony - Have you by any chance contacted Kurt L.? He might be willing to
> > >help search.
> > >
> > >Bill
> > >
> > >
> > >
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> >1f06117.jpg
> > >1f06224.jpg
> > >
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> tvnsp-unsubscribe@egroups.com
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>

2307. Re: Pilot available (and balloon landing spot)

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-31 11:54:14 UTC
From: n1ltv
Topic: 2287 Message: 2307

Taking all the information we have into account, the latest prediction I heard was for touch down about 9:16 AM, a full 70 minutes after the last report.

One thing I'm sure of is that it would be highly unlikely that the total duration would be another 70 minutes after the 77k report.

The descent phase happens relatively quickly because in the very thin air (almost none) at say 40k and up, the parachute descends very rapidly, several thousnads of feet per minute, so 70 minutes is too much. My estimates have it slightly over 30 minutes after burst (depending of course on burst height -- the burst height only slightly extends the descent phase because another 5000 feet at 85,000 takes hardly any time at all-- maybe an extra minute for each additional 5000 feet).

If someone has a better idea of where to search, we need to let Kurt know. We're thinking north east of Bruneau now.

I replotted with a better angle, and it only moves those map tragets about 1 1/2 miles to the east. My guess is the balloon didn't go a whole lot southeast of a line between Grand View and the AFB, but there are so many variables.

Hank

2308. Mountain Home AFB

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-31 12:08:14 UTC
From: Hank Riley
Topic: 2305 Message: 2308

I bet they know where it landed, or where it *would* have
landed. :)

Hank

_____
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http://greetings.yahoo.com/

2312. Re: [tvnsp] TNC Setting

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-31 16:11:00 UTC
From: Randy Farley
Topic: 2294 Message: 2312

I think you want HEADERLINE OFF Zack.

> Zack Clobes wrote:
>
> I hard-reset my KPC-3 TNC tonight and I'm trying to figure out all
> of my old settings. Can anyone tell me what command it is to get it
> to stop putting a new line after the callsign (see below)
>
> W0WR>APRS:
> $GPGGA,041144,3804.3225,N,09756.1136,W,1,04,2.5,504.0,M,-26.7,M,,*79
>
> Thanks,
> Zack
>
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>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
> Your use of Yahoo! Groups is subject to the Yahoo! Terms of Service.

--
Regards,

Randy Farley
N7GPS -Ham Call-
Find Me at: http://map.findu.com/n7gps*

2313. Re: [tvnsp] TNC Setting

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-31 16:57:56 UTC
From: Zack Clobes
Topic: 2294 Message: 2313

Yep. Thanks.
Zack
----- Original Message -----
From: Randy Farley
To: tvnsp@yahoogroups.com
Cc: Group KNSP
Sent: Sunday, March 31, 2002 10:11 AM
Subject: Re: [tvnsp] TNC Setting

I think you want HEADERLINE OFF Zack.

> Zack Clobes wrote:
>
> I hard-reset my KPC-3 TNC tonight and I'm trying to figure out all
> of my old settings. Can anyone tell me what command it is to get it
> to stop putting a new line after the callsign (see below)
>
> W0WR>APRS:
> $GPGGA,041144,3804.3225,N,09756.1136,W,1,04,2.5,504.0,M,-26.7,M,,*79
>
> Thanks,
> Zack
>
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>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
> Your use of Yahoo! Groups is subject to the Yahoo! Terms of Service.

--
Regards,

Randy Farley
N7GPS -Ham Call-
Find Me at: http://map.findu.com/n7gps*

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2314. Re: Pilot available (and balloon landing spot)

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-31 17:56:44 UTC
From: n1ltv
Topic: 2287 Message: 2314

Tony,

The time of the 77 kfoot last packet is an extremely
useful bit of information, so it's very nice you
got that.

Hank

2315. TV02A Flight Path Predictions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-31 18:55:17 UTC
From: K7JPS - John
Topic: 2315 Message: 2315

Well, I have a few minutes to help out in the discussion about the estimated landing site. The launch coordinates were N 42.74290? W 117.06701? Alt. 2290', launch time 7:00:00 MST. The last posit that was received at 8:06 MST was KD4STH-1>APT202,WIDE3-3:!4311.91N/11617.77WO098/014/A=077282. This gives an average ascent rate of 1136 FPM to that point which appears reasonable.

The winds aloft data from 12:00 Zulu (05:00 MST) reported 15 mph from 275? at 77165', so the direction of 98? and 14 mph is also reasonable. Also reviewing the wind files showed that the wind speeds kicked up to 35 mph at 81679'. The winds data file only had one bad data point and that was at 112896'.

Running BalTrak with the 1136 fpm ascent and an estimated decent of 1200 fpm and a burst of 77282' places the burst point at N 43.2264? and W 116.2628? and burst time of 66.0 minutes. So the TV02A was about 2.5 miles southwest of its predicted location (I need to learn to calculate distance and bearing in SA). Because I averaged the ascent rate based on this altitude the burst time coincides with the time of the last known Posit. The predicted landing for these variables is N 42.9872? W 115.8928? with a flight time of 96 minutes or 08:36 MST, bearing 131.1? true, range of 78.7 mi.

Running the same variables in BalTrak except for a burst alt. of 85000' gives a landing site of N 42.961? W 115.8378? flight time of 104 min or 08:44 MST, bearing 130.8? true, range 82.0 mi.

Both of these locations are along CJ Strike so we should probably be talking to fishermen at the reservoir, rather then airmen from Mountain Home AFB. Hopefully we stayed a little bit south of this since our actual track was farther south then the predictions.

It will take me some time to merge the know winds from our flight to the soundings file, but if someone has already done that, I would appreciate a copy. This would make the above predictions more accurate. I want to spend some time in the future learning to do this as well.

****

Here are a few thoughts I have about improving our procedures in the future.

1. I agree with Mike on the proximity of the two antennas. When we removed the stack from the tower, the antennas were actually able to touch each other because the antenna on the recovery beacon is made of very flexible cable (I don't remember the exact type).

2. We should consider designating someone at the launch site as communications specialist so that we can feed all the necessary info back to

mission control. My HT just did not cut it, and I was also too involved with handling the launch stack. We should have fed the launch coordinates and altitude back to mission control before we launched, and Tony was needing a countdown to launch as well. This info could then be posted to the group so that remote monitors like Hank, Zack and Mark could assist with updating the predicted landing site. And a Bulletin could be broadcast on APRS.

3. It was very helpful having a mission control, but without the necessary communications from the launch site, this position is very much in the dark until the balloon is up. I also liked the idea of having down range chase crews in position, although it didn't work out this time, it could be very helpful especially if we need to get a head start on Ding.

4. I know the MIM makes the capsule lighter then a TNC, but I have some reservations about it. On the last launch (TV01H) the data from KD4STH-11 was intermittent and most of the tracking was done from KD7INN-11. Also last launch my Kenwood D7A locked up several times and I was unable to operate any controls until I disconnected the battery. On this flight my HT also locked up, I could operate all controls except the PTT until I got home and read up on performing a partial reset of the radio - really bad for a single man chase vehicle. I don't think that I will be able to monitor APRS on future flights because of this problem. I would like to know if Justin had any problems with his new D7A too.

5. At our FRR or before we should spend some time discussing the settings of the command module. Randy tried to use the APRS in his truck as a relay, but the capsule was only set for wide, not relay. Also I discovered this morning that when I was on the radio giving updates from BalTrak I was calculating everything in decimal degrees, but the info Tony had from the capsule was in degrees and decimal minutes. Bad information is usually less helpful then no information.

John "just wanting to improve our operations" Stone
K7JPS

2316. More flight analysis

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-31 19:44:50 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2279 Message: 2316

> minutes. What could have affected two independent packages located some
> distance away from one another by load lines. What was the distance
> between the recovery module and the main module (not the merchandise module)?

About 18 inches.

> At the 18 to 21 minute point in the flight we believe the balloon was at
> about 14.1 miles from the launch point at about 24,900 to 27,093 feet. Too
> high for most private aircraft. Any weather in the area? I doubt geese
> fly this high. What's the temperature at this altitude? Maybe the
> temperature is recorded in the telemetry.

It would have been around 0 degrees at that point. But we've flown
down to -90 degrees F in the past.

> Were both modules using e-Trex GPS receivers? Looking for a common
> denominator here.

Both modules also used alinco DJ-S11s and dipoles.

Doesn't it get colder, and then get warmer as you go up
> in altitude? How would the temperature at 77,000 feet compare with 26,000
> feet?

Around -20 degrees and warming

What was the "cabin" temperature at this point in the flight?

In the past, the interior temp hasn't dropped below freezing until
after balloon burst.

> Trak. Maybe 48 minutes later, by 8:06 and at 77,000 feet, the Tiny Trak
> dried out enough to send one more report, then the balloon burst and the
> unit floated back down into a condensing environment. How well do the
> flight computer and Tiny Track work when sitting on damp styrofoam? Now
> that its on the ground the batteries will probably die before it gets a
> chance to dry out - assuming condensation was the failure mechanism. Pure
> speculation here. I know HP has always spec'd nearly all their equipment
> only to work in a "non-condensing" environment.

I don't suspect condensation is a problem. The air is incrediably
dry up there.

> By 8:06, the last report from -1 (and last report from either tracker)
> showed it 39 miles from its previous position on a heading of 133 degrees,
> though at the time of this report it was traveling on a heading of 98
> degrees. So in roughly 46 minutes it traveled 39 miles, which works out to
> an average of about 50 mph. The last report seemed to indicate a ground

> speed of 14 mph.

The capsule would have passed through the jetstream on the way
up. Speeds were probably above 70 mph.

> It doesn't seem like we suffered catastrophic failures so much as we
> suffered from gradual degradation. The fact that we got another report
> (which we believe to be accurate) 46 minutes later also suggests that we
> suffered from degradation failures rather than catastrophic failures. The
> -1 machine, stopped, but then came back briefly, then quit again. The -11
> machine stopped sending position reports, then stopped sending
> telemetry. Most of this happened too early in the flight to be
> batteries. And each module used independent batteries.

I suspect it wasn't a cato either. The batteries were either new, or
held a full charge.

> What happens to the conductivity / resistivity of the styrofoam as it get
> damp?

The flight computer sits on a layer of foamed neoprene rubber rther
than styrofoam. I don't imagine it's a problem, but we may want to
look at it. Perhaps neoprene is mildly conductive.

Paul

2317. Re: [tvnsp] TV02A Analysis

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-31 19:46:18 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2280 Message: 2317

Yes please.

Paul

> Paul,
>
> Entire log is about 900 KB. Do you still want it by e-mail?

2318. Re: [tvnsp] TV02A pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-31 19:50:33 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2281 Message: 2318

> Just to help fill me in - what exactly was the flight configuration as far as separate capsules/systems?

Yep, the capsule didn't make it home. within about 30 minutes, everything failed. We had two capsules with independent trackers, power, batteries, and antennas. They both use the DJ-S11 and Etrex. They use different TNCs.

It's fairly dry up here. I don't think condensation is that much of a problem. Air can flow in and out of the capsule. So what mositure there is, will be replaced with dry air aloft.

Paul

2319. Re: [KNSP] TinyTrak II and tape review

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-31 19:54:08 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2288 Message: 2319

> The TinyTrak II will lock up if it gets too much RF into it. The
> transmitter will stay keyed on until the power is cut to the
> board. That's what happened to me earlier in the week, causing
> me to change the antennas around.

We have the antenna next to the TT. The TT is not shielded,
either. This may be a problem on TV02A.

Paul

2320. Re: [KNSP] Yahoo ID and spam

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-31 19:56:59 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2320 Message: 2320

This from Mark. I checked out my account and found it to be true.
I had to reset all my settings back to NO.

Paul

> Hi,
>
> I was recently alerted to the following on the APRSSIG and other lists:
>
>
> ---
>
> http://slashdot.org/articles/02/03/29/1833235.shtml?tid=111
>
> From the slashdot.org website:
>
> "Yahoo is pulling a good one on everyone. As a matter of some changes on
> their system, they have kindly reset everyone's marketing preferences.
> So,when you signed into Yahoo for a Yahoo ID, you were given a chance to
> set what sort of notices you wanted yahoo advertisers to send to you,
> well, they just set EVERYTHING to Yes for you. The poster was kind
> enough to include instructions on how to turn these settings back.
>
> To change this...
>
> Go to your Account Information screen (for each and every ID you have)
> and about mid screen you will see "Edit Your Marketing Preferences"
> link. Click on it and set them back to the way you want them, otherwise
> get ready for *LOTS* of advertising spam type emails from Yahoo's
> advertisers. Note also at the bottom, that you will be marked YES for
> 'By US Mail' and 'By Phone' as well."
>
>
> ---
>
>
> If you do not have a Yahoo ID, this is not an issue for you. If you've never provide
Yahoo your mailing address or phone number, this is not a problem. My reading indicates
that only a "yahoo.com" address will get this spam. A fast way to get to you
r profile is to go to
http://edit.my.yahoo.com/config/eval_profile and enter your Yahoo ID and password.
>
> I have a Yahoo ID and foolishly provided my mail address and phone # when I signed up.
Fortunately I don't use my Yahoo address anymore.
>

> 73 de Mark N9XTN
>
> ------
> Mark D. Conner
> E-mail: n9xtn@...
> Homepage: http://members.cox.net/mconner1
> "Arrogance and stupidity, all in the same package.....how
> efficient of you!" - Ambassador Londo Mollari, Babylon 5
>

2321. Re: [tvnsp] TV02A pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-31 19:57:48 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2281 Message: 2321

> I have not used the MIM on my flights at all. I'm using a KPC-3 v6.0 for the TNC.

I'll be running an experiment like that myself.

> I have a full log from the Internet feed, which should include all the traffic from KD4STH-* that made it to an I-gate. I'll grep out the calls and forward it if interested.

Yes please.

2322. Batteries

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-31 20:01:05 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2281 Message: 2322

> Speaking of batteries, what type of battery does TVNSP fly?

We use to use the surplus military batteries. Lately we've flown a combination of nicads, alkalines, and lithiums.

Paul

2323. Re: [tvnsp] TV02A Ground Photo Analysis

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-31 20:10:45 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2304 Message: 2323

> Group,
>
> Just thought I would share a photo that might bolster the theory sent out about the TinyTrak getting too much RF into it and shutting down. I took pictures of the stack before launch and noticed something that we might have caught on the ground. I saw
that the backup beacon antenna was on the
same side as the other main antenna. It is also not supported by any thing to keep it from wrapping itself around the other antenna and causing havoc. Could this have been a likely cause?

I think its even worse. Remember that the backup antenna was
attached just outside the recover aid package. We had a 340 mW
sources parked a couple of inches away from the TT.

Paul

2324. Re: TV02A Flight Path Predictions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-31 22:10:37 UTC
From: Hank Riley
Topic: 2315 Message: 2324

> It will take me some time to merge the know winds from our flight
> to the soundings file, but if someone has already done that, I
> would appreciate a copy. This would make the above predictions
> more accurate. I want to spend some time in the future learning
> to do this as well.

John,

The maps I posted were based on an artificial or merged
sounding file using derived winds up to at least 27k feet.

Not having anything made up to do this meant a very tedious
process in the wee hours this morning. I'm just touching it
up now so I'll be sending that to you later.

Also, I did use a parameter that is probably in error and that
is a descent speed of 1400 feet/minute, not the 1200 you've used.
That would stretch out the landing spots I mapped. That descent
is an important figure; we're fortunate to have a pretty good
idea of the ascent.

I thought there was a figure of 1400 posted once.

Hank

Do You Yahoo!?
Yahoo! Greetings - send holiday greetings for Easter, Passover
http://greetings.yahoo.com/

2325. Any recovery mission ideas?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-31 22:23:34 UTC
From: Hank Riley
Topic: 2325 Message: 2325

Except for the ultralight thing, it's been kind of
quiet.

Any plans afoot?

Hank

Do You Yahoo!?
Yahoo! Greetings - send holiday greetings for Easter, Passover
http://greetings.yahoo.com/

2326. Re: TV02A Flight Path Predictions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-03-31 22:50:36 UTC
From: kd7pit
Topic: 2315 Message: 2326

Hey John, your coords place the balloon very VERY close to the river. As soon as the Bravada has its transmission fixed and if the capsules haven't been found yet, I was going to try your coords sometime later this week after class. Talk about geocaching at its best! This one should be called "Capsules with no Coords" Good work on the analysis!

Justin

--- In tvnsp@y..., "K7JPS - John" <k7jps@a...> wrote:
> Well, I have a few minutes to help out in the discussion about the estimated
> landing site. The launch coordinates were N 42.74290° W 117.06701° Alt.
> 2290', launch time 7:00:00 MST. The last posit that was received at 8:06
> MST was KD4STH-1>APT202,WIDE3-3:!4311.91N/11617.77WO098/014/A=077282. This
> gives an average ascent rate of 1136 FPM to that point which appears
> reasonable.
>
> The winds aloft data from 12:00 Zulu (05:00 MST) reported 15 mph from 275°
> at 77165', so the direction of 98° and 14 mph is also reasonable. Also
> reviewing the wind files showed that the wind speeds kicked up to 35 mph at
> 81679'. The winds data file only had one bad data point and that was at
> 112896'.
>
> Running BalTrak with the 1136 fpm ascent and an estimated decent of 1200 fpm
> and a burst of 77282' places the burst point at N 43.2264° and W 116.2628°
> and burst time of 66.0 minutes. So the TV02A was about 2.5 miles southwest
> of its predicted location (I need to learn to calculate distance and bearing
> in SA). Because I averaged the ascent rate based on this altitude the burst
> time coincides with the time of the last known Posit. The predicted landing
> for these variables is N 42.9872° W 115.8928° with a flight time of 96

> minutes or 08:36 MST, bearing 131.1° true, range of 78.7 mi.
>
> Running the same variables in BalTrak except for a burst alt. of
85000'
> gives a landing site of N 42.961° W 115.8378° flight time of 104
min or
> 08:44 MST, bearing 130.8° true, range 82.0 mi.
>
> Both of these locations are along CJ Strike so we should probably
be talking
> to fishermen at the reservoir, rather then airmen from Mountain
Home AFB.
> Hopefully we stayed a little bit south of this since our actual
track was
> farther south then the predictions.
>
> It will take me some time to merge the know winds from our flight
to the
> soundings file, but if someone has already done that, I would
appreciate a
> copy. This would make the above predictions more accurate. I want
to spend
> some time in the future learning to do this as well.
>
> *******
>
> Here are a few thoughts I have about improving our procedures in
the future.
>
> 1. I agree with Mike on the proximity of the two antennas. When we
removed
> the stack from the tower, the antennas were actually able to touch
each
> other because the antenna on the recovery beacon is made of very
flexible
> cable (I don't remember the exact type).
>
> 2. We should consider designating someone at the launch site as
> communications specialist so that we can feed all the necessary
info back to
> mission control. My HT just did not cut it, and I was also too
involved
> with handling the launch stack. We should have fed the launch
coordinates
> and altitude back to mission control before we launched, and Tony
was
> needing a countdown to launch as well. This info could then be
posted to
> the group so that remote monitors like Hank, Zack and Mark could
assist with

> updating the predicted landing site. And a Bulletin could be
broadcast on
> APRS.
>
> 3. It was very helpful having a mission control, but without the
necessary
> communications from the launch site, this position is very much in
the dark
> until the balloon is up. I also liked the idea of having down
range chase
> crews in position, although it didn't work out this time, it could
be very
> helpful especially if we need to get a head start on Ding.
>
> 4. I know the MIM makes the capsule lighter then a TNC, but I have
some
> reservations about it. On the last launch (TV01H) the data from
KD4STH-11
> was intermittent and most of the tracking was done from KD7INN-11.
Also
> last launch my Kenwood D7A locked up several times and I was unable
to
> operate any controls until I disconnected the battery. On this
flight my HT
> also locked up, I could operate all controls except the PTT until I
got home
> and read up on performing a partial reset of the radio - really bad
for a
> single man chase vehicle. I don't think that I will be able to
monitor APRS
> on future flights because of this problem. I would like to know if
Justin
> had any problems with his new D7A too.
>
> 5. At our FRR or before we should spend some time discussing the
settings of
> the command module. Randy tried to use the APRS in his truck as a
relay,
> but the capsule was only set for wide, not relay. Also I
discovered this
> morning that when I was on the radio giving updates from BalTrak I
was
> calculating everything in decimal degrees, but the info Tony had
from the
> capsule was in degrees and decimal minutes. Bad information is
usually less
> helpful then no information.
>
> John "just wanting to improve our operations" Stone
> K7JPS

2331. Condensation

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-01 03:53:51 UTC
From: Mark Conner
Topic: 2331 Message: 2331

I would expect condensation on descent rather than ascent. As you go up, your equipment is substantially warmer than the environment and you're going upwards into what is usually a dry environment. A corrolary to Tony's experiment would be to have a glass of warm water in a cold room.

On descent, the reverse happens. The equipment is now cold-soaked and entering a warm and relatively moist environment. Even so, I think condensation would not occur until the payload entered the lower troposphere (say, below 15,000 ft), if it occurred at all.

73 de Mark N9XTN

Mark D. Conner
E-mail: n9xtn@...
Homepage: http://members.cox.net/mconner1
"Arrogance and stupidity, all in the same package.....how efficient of you!" - Ambassador Londo Mollari, Babylon 5

2332. Fwd: Unable to deliver your message

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-01 04:08:38 UTC
From: Tony Barrett
Topic: 2332 Message: 2332

Paul,

As you can see from the message below I couldn't send my complete 900 KB
log through Yahoo Groups.

I'll try sending it directly to your email address. If others want a copy
they will have to let me know.

Tony

>Delivered-To: sunvalley.net-tonybarrett@...
>Date: 1 Apr 2002 03:51:46 -0000
>To: tonybarrett@...
>From: Yahoo! Groups <notify@yahoogroups.com>
>Subject: Unable to deliver your message
>
>
>We are unable to deliver the message from <tonybarrett@...>
>to <tvnsp@yahoogroups.com>.
>
>Your message was not delivered because it was too large.
>Yahoo! Groups does not accept messages (including attachments) larger
>than 1 megabyte. To resend your message, please compress or
>delete any attachments so that the total message size is less
>than 1 megabyte.
>
>For further assistance, please email support@yahoogroups.com
>or visit http://help.yahoo.com/help/us/groups/
>
>Received: (qmail 79359 invoked from network); 1 Apr 2002 03:51:43 -0000
>Received: from unknown (66.218.66.216)
> by m3.grp.scd.yahoo.com with QMQP; 1 Apr 2002 03:51:43 -0000
>Received: from unknown (HELO mx20a.rmci.net) (205.162.184.37)
> by mta1.grp.scd.yahoo.com with SMTP; 1 Apr 2002 03:51:42 -0000
>Received: (qmail 3547 invoked from network); 1 Apr 2002 03:50:56 -0000
>Received: from dsl-216-222-5-67.boi.rmci.net (HELO pavilion.sunvalley.net)
>(tonybarrett%sunvalley.net@216.222.5.67)
> by mx20.rmci.net with SMTP; 1 Apr 2002 03:50:56 -0000
>Message-Id: <5.1.0.14.0.20020331204536.00a79080@...>
>X-Sender: tonybarrett%sunvalley.net@...
>X-Mailer: QUALCOMM Windows Eudora Version 5.1
>Date: Sun, 31 Mar 2002 20:50:49 -0700
>To: tvnsp@yahoogroups.com
>From: Tony Barrett <tonybarrett@...>
>Subject: Re: [tvnsp] TV02A Analysis
>In-Reply-To: <32EEE22A1BD5@...>

```
>References: <5.1.0.14.0.20020330155125.00ac90f0@...>
> <32D97D300805@...>
>Mime-Version: 1.0
>Content-Type: multipart/mixed;
> boundary="====================_114479297==_"
```

2334. Re: [tvnsp] TV02A Ground Photo Analysis

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-02 03:23:47 UTC
From: Doug Rich
Topic: 2304 Message: 2334

>
>I think its even worse. Remember that the backup antenna was
>attached just outside the recover aid package. We had a 340 mW
>sources parked a couple of inches away from the TT.
>Paul
If you had radio interference problems, why did it not cause problems near the ground when you first launched?
Doug W7DVR

2335. NSTAR 02-B review

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-01 04:25:53 UTC
From: Mark Conner
Topic: 2335 Message: 2335

NSTAR 02-B had a successful flight on Saturday, March 30th from the Central Plains Severe Weather Symposium in Lincoln.

Most of the launch crew arrived between 7:30 and 8am in order to get parking spaces near the launch site in front of the conference center. I gave a presentation on NSTAR from 9 to 9:45, then we started the equipment setup outside.

About 10:35am we started to fill the balloon. This all went normally, and I noticed that the Kaymont "severe-weather" balloon was more round than teardrop-shaped after inflation. As we put the lanyards through the ring, I noticed that the heat shrink that I had around the knots on one of them had come off and the string was rather frayed. No matter, I thought, I'll fix it later if I get a chance.

The previous presentation ended at 10:45 and the crowd came out to watch the launch. Probably had a couple of hundred on hand. We winch the balloon out into position, check in with Lincoln Tower, do our countdown from five, then Wayne KE6DZD upends the crescent wrench holding the lanyards and away it goes.

For about fifteen feet. The lanyard snags on the ring - looks like a rat's nest up there. Nuts. Doug suggests cutting the lanyard away, but I give it a good tug to see if I can clear it (as if Doug's pulling wasn't good enough).

Suddenly the payload comes screaming earthward - the chute billows open and it all lands in front of the gasping crowd. My reaction, hopefully unvoiced, was "what the f***?" The balloon is still caught on the lanyards, but I figure it will slowly unravel itself and go free shortly.

I can see a length of string dangling from the balloon - initially I thought that was the load line and that it had snapped near the clip ring I use to attach to the top of the chute. I check the chute and a full length of load line is still there, so then I surmised it was sawed in two by the lanyards near the balloon neck.

Meanwhile we're carefully reeling the balloon back in, expecting it to go any time, most likely just before we can secure it. We catch a break, however, as I was able to get the free end of the lanyard and we get the balloon back. We attach the load line directly to the ring, then let the balloon out by the load line rather than risk a lanyard fouling again. So after a few more minutes and a check to make sure the payloads are still

functioning, we have our second launch of the day at 10:56am with the same balloon.

The chase team piles into their vehicles and off we go towards Nebraska City. Lots of contacts heard on the simplex repeater - it's working much better than the previous flight. I have my D7 in the car with me tuned to the backup beacon and the laptop is monitoring the primary. Both are going fine.

We knew ahead of time we were unlikely to be near the balloon at landing. Fortunately, Larry N0BKB, Mike N0GGU, and Steve N0ORU are already in Bedford, and Don KA0JLF, Cris N0XZB, and Bob K0FPC are heading north from St Joseph. Burst is at 78,760 ft, but the capsule APRS bulletin had it at 78,482 ft. Need to check the programming on this.

Landing was at 12:54pm (1854 UTC) between Clearfield and Diagonal IA in a plowed cornfield about 200 yds from the road. Again, no powerlines nearby, but if it had drifted downwind a bit farther it might have gotten caught in a copse of trees. All the payloads worked after the landing and nothing was broken. The chase teams headed for Corning for a pizza lunch.

The videotape shows that the VHF backup beacon caused a burp in the video recording every 30 seconds when it transmitted. This was probably due to the higher power and the antenna's proximity to the camcorder (it was directly above it and probably had a lot of radiation off the coax shield etc.).

73 de Mark N9XTN

Mark D. Conner
E-mail: n9xtn@...
Homepage: http://members.cox.net/mconner1
"Arrogance and stupidity, all in the same package.....how efficient of you!" - Ambassador Londo Mollari, Babylon 5

2337. Re: [tvnsp] Fwd: Unable to deliver your message

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-01 03:28:16 UTC
From: Rick Widmer
Topic: 2332 Message: 2337

I'd like to get a copy of the file too, please.

Tony Barrett wrote:
>
> Paul,
>
> As you can see from the message below I couldn't send my complete 900 KB
> log through Yahoo Groups.
>
> I'll try sending it directly to your email address. If others want a copy
> they will have to let me know.

2338. Re: [tvnsp] Any recovery mission ideas?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-01 12:20:45 UTC
From: Mike Garske
Topic: 2325 Message: 2338

Group,

Well, I am going out this morning(Monday) to the area that Hank has predictions for near Grandview and go check them out as best I can......I will be on the 147.240 repeater while I am out and about so keep an ear out for me!

Mike KC7DPD

----- Original Message -----
From: "Hank Riley" <n1ltv@...>
To: <tvnsp@yahoogroups.com>
Sent: Sunday, March 31, 2002 3:23 PM
Subject: [tvnsp] Any recovery mission ideas?

> Except for the ultralight thing, it's been kind of
> quiet.
>
> Any plans afoot?
>
> Hank
>
> _____
> Do You Yahoo!?
> Yahoo! Greetings - send holiday greetings for Easter, Passover
> http://greetings.yahoo.com/
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
>
>

2339. Re: [tvnsp] More flight analysis

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-01 09:17:41 UTC
From: Rick Widmer
Topic: 2279 Message: 2339

Tony Barrett wrote:

> I don't think the cabin temperature needs to drop below freezing for us to
> get condensation.

It certainly doesn't. The name for the magic temperature is
the dew point. Anything below the dew point will have
moisture build up on it. It can be a big hassle for
astronomers. High humidity + cool temperatures = dew
buildup on your equpmnent...

> 18 inches seems too close for 2 meter transmitting antennas.

That may be, but they were the same distance at launch, and
hopefully you had valid aprs from both trackers before
launch. My bet is on condensation. I believe it fits the
pattern of this failure very well.

>I would expect condensation on descent rather than ascent. As
>you go up, your equipment is substantially warmer than the
>environment and you're going upwards into what is usually a dry
>environment.

That sounds reasonable, but I'm pretty sure another group
that had a similar problem had their failure on the way _up_
too. I wish I could find a link to the web site I'm
thinking of. You may have seen it, it came up in the flight
controller discussion a few months ago. I believe the story
went something like: They had an in flight failure, then
duplicated it by spraying the tracker board with circuit
cooler until it started to show condensation at which time
they got a failure similar to the one thay had during the
flight. They started coating their boards and never had
another failure.

I spent a little time looking for a source on PC board
coating in a spray can, but haven't found anything yet. I
did find a source with a minimum 1 quart container of an
acrylic based PC coating, but no price and availability info
without calling them. I have a feeling even a couple coats
of clear acrylic spray paint would take care of condensation
problems, just make sure the dried paint isn't conductive
before you do a board.

Rick

2340. Re: [tvnsp] TV02A Post Mortem Failure Analysis

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-01 11:36:55 UTC
From: Rick Widmer
Topic: 2315 Message: 2340

Tony Barrett wrote:

> My money is still on a condensation problem that affected both the main
> flight computer and the Tiny Trak.

I agree.

What was the launch temperature? Any idea about humidity?
Was there dew on things around the launch site?

> I suggest we take a working station on the ground and spray a water mist on
> the board to see what happens.

Living dangerously... be sure to disconnect power once it
fails, you don't want to do too much damage. That other
group used circuit cooler to cool the board causing
condensation. (Sure wish I could remember the URL.) You
could also put the board in the freexer then move it into a
high humidity area. Spraying water on a board just feels so
-- wrong!

> If we don't want to use conformal coatings there must be other ways we
> can protect the boards from condensation.

What could possibly protect the boards better than the
industry standard coatings for that job? Even at $50/can
coating the boards is cheap compared to losing capsules. I
believe you will find most aircraft electronics is coated,
or potted, and much of that flies on the inside of the
cabin.

Rick

2341. Re: [tvnsp] Re: [KNSP] TinyTrak II and tape review

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-01 11:46:16 UTC
From: Rick Widmer
Topic: 2288 Message: 2341

Tony Barrett wrote:
>
> Maybe at the 18 minute mark, RF is what caused the TTII to fail, then the 9
> volt battery on it got weak enough under load that the TTII shut off,
> effectively resetting itself, and then the battery, with no / minimal load
> on it recovered enough to permit the transmission at the 66 minute mark.

Can I get a complete set of flight log data, including the
timestamps. Raw logs with no processing are preferred.

to: rwidmer@...

Thanks,
Rick

2342. Re: [tvnsp] More flight analysis

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-01 14:17:56 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2279 Message: 2342

> I don't think the cabin temperature needs to drop below freezing for us to
> get condensation.

That's a true statement. Once the air temperature drops below
(ideally) the dew point, you get condensation. The air is very dry in
the upper atmosphere. I don't think condensation is the problem
since it has never been a problem in 31 flights. The boards are
placed on a base that would make condensation tough.

> Passed through the jet stream? Really? I thought the jet stream was
> running a few hundred miles north of us recently. Maybe we're talking
> about a different jet stream.

Bad choice of words on my point. I was referring to the fastest
winds we would experience. We're outside the jet, but still see
high speed winds at the jet's altitude.

> If you'd rather not have this discussion in this forum, just let me
> know. I'm not trying to be disagreeable. Just trying to share ideas and
> to learn from everyone. I'll be happy to take my lumps when I'm wrong.

It's not a problem. I want this to be an open forum. Information
needs to flow.

Paul

2343. Battery Failure

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-01 14:39:51 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2343 Message: 2343

I'm attaching a cleaned up copyof the KD4STH-11 telemetry log. The battery on the command module died during the flight. There was a continous drop in voltage to 5.3 volts. The voltage did not hold at a low value long enough to force a reset on the flight computer. At the very top of the file is the explanation for the analog values (I got Servo voltage and Auxillary voltage fields turned around). Friday nigth the measured voltage of the main battery was 6.3 volts. Use that for the value of the first analog to digital value. See how the values steadly drop through the flight. At the last packet, the voltage is 5.3 volts.

Also, looking at the log I can see that most of the telemetry packets got out, but very few of the posit on demand packets did. The posit on demand occurs when the A3 line is brought low.

I thought about batteries this morning on the way into work. Nicads are discharged at 0.9 volts per cell. The capsule flew with 5 cells in series for a total of 6.0 volts. However, when they discharge, they will be at 4.5 volts. The voltage regulator is a low drop regulator and will provide 5 volts until the source drops to 5.25 volts (by my measurements). The disharged voltage of the flight battery really should have been 5.4 volts. So the charged value becomes 7.2 volts. I need six cells on the flight battery to be able to get the best lifetime. Unfortunately this means there's a 2.2 volt waste at the beginning of the flight.

As far as condensation. There was some high cirrus clouds, and as I recall, we didn't get any culumus later in the day. This indicates to me (Mark, can you correct me), that the air was very dry. Cirrus occurs when the dew point is below freezing, cumulus occurs when the dew point is above freezing. Also, as I recall, there was no dew on the grass when we launched. I really don't think condensation was the issue here.

Doug brought up a good point. We didn't see RF problems on the ground. So why should they start only after launch?

At least we know the batteries died on the command module.

Paul

2344. Re: [tvnsp] Any recovery mission ideas?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-01 14:49:44 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2325 Message: 2344

The predicted landing positions for different burst altitudes and
landing speeds should follow a straight line (a heading of 131
degrees as I recall). It would seem best to follow a track along that
heading.

Good luck.

Paul

> Group,
>
> Well, I am going out this morning(Monday) to the area that Hank has
> predictions for near Grandview and go check them out as best I can.....I
> will be on the 147.240 repeater while I am out and about so keep an ear out
> for me!
>
> Mike KC7DPD
>
>
> ----- Original Message -----
> From: "Hank Riley" <n1ltv@...>
> To: <tvnsp@yahoogroups.com>
> Sent: Sunday, March 31, 2002 3:23 PM
> Subject: [tvnsp] Any recovery mission ideas?
>
>
> > Except for the ultralight thing, it's been kind of
> > quiet.
> >
> > Any plans afoot?
> >
> > Hank
> >
> > _____
> > Do You Yahoo!?
> > Yahoo! Greetings - send holiday greetings for Easter, Passover
> > http://greetings.yahoo.com/
> >
> >
> > To unsubscribe from this group, send an email to:
> > tvnsp-unsubscribe@egroups.com
> >
> >
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> > Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
> >

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> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
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>
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>
>

2345. FRR

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-01 14:58:36 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2345 Message: 2345

On the FRR I want to add the following items. We'll need to put this into a checklist and document the values.

First, we need to connect the batteries, power up the capsule, and measure the current.

Second, we need to record the battery voltages and the telemetry values associated with them.

I started a new chapter in my book last night about flight qualifying and preflight testing. Writing the outline added another three pages to the book.

Paul

2346. Re: [tvnsp] Fwd: Unable to deliver your message

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-01 16:00:33 UTC
From: John Knapp
Topic: 2332 Message: 2346

Tony, please send me the file at:

jknapp3@...

Thanks
JohnK
KD7HGS

--- Tony Barrett <tonybarrett@...> wrote:
> Paul,
>
> As you can see from the message below I couldn't
> send my complete 900 KB
> log through Yahoo Groups.
>
> I'll try sending it directly to your email address.
> If others want a copy
> they will have to let me know.
>
> Tony
>
>
> >Delivered-To:
> sunvalley.net-tonybarrett@...
> >Date: 1 Apr 2002 03:51:46 -0000
> >To: tonybarrett@...
> >From: Yahoo! Groups <notify@yahoogroups.com>
> >Subject: Unable to deliver your message
> >
> >
> >We are unable to deliver the message from
> <tonybarrett@...>
> >to <tvnsp@yahoogroups.com>.
> >
> >Your message was not delivered because it was too
> large.
> >Yahoo! Groups does not accept messages (including
> attachments) larger
> >than 1 megabyte. To resend your message, please
> compress or
> >delete any attachments so that the total message
> size is less
> >than 1 megabyte.
> >
> >For further assistance, please email
> support@yahoogroups.com

> >or visit http://help.yahoo.com/help/us/groups/
> >
> >Received: (qmail 79359 invoked from network); 1 Apr
> 2002 03:51:43 -0000
> >Received: from unknown (66.218.66.216)
> > by m3.grp.scd.yahoo.com with QMQP; 1 Apr 2002
> 03:51:43 -0000
> >Received: from unknown (HELO mx20a.rmci.net)
> (205.162.184.37)
> > by mta1.grp.scd.yahoo.com with SMTP; 1 Apr 2002
> 03:51:42 -0000
> >Received: (qmail 3547 invoked from network); 1 Apr
> 2002 03:50:56 -0000
> >Received: from dsl-216-222-5-67.boi.rmci.net (HELO
> pavilion.sunvalley.net)
> >(tonybarrett%sunvalley.net@216.222.5.67)
> > by mx20.rmci.net with SMTP; 1 Apr 2002 03:50:56
> -0000
> >Message-Id:
>
<5.1.0.14.0.20020331204536.00a79080@...>
> >X-Sender:
> tonybarrett%sunvalley.net@...
> >X-Mailer: QUALCOMM Windows Eudora Version 5.1
> >Date: Sun, 31 Mar 2002 20:50:49 -0700
> >To: tvnsp@yahoogroups.com
> >From: Tony Barrett <tonybarrett@...>
> >Subject: Re: [tvnsp] TV02A Analysis
> >In-Reply-To: <32EEE22A1BD5@...>
> >References:
>
<5.1.0.14.0.20020330155125.00ac90f0@...>
> > <32D97D300805@...>
> >Mime-Version: 1.0
> >Content-Type: multipart/mixed;
> >
> boundary="======================_114479297==_"
>
>
>

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http://greetings.yahoo.com/

2347. RE: [tvnsp] TV02A pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-01 16:01:33 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 2281 Message: 2347

okay, just an idea... The only way I can imagine two separate APRS systems
failing at once....
would be some kind of mechanical disturbance (catastrophic)
Theory 1) It plummeted to earth and is now a pancake.
Theory 2) It got eaten by an airplane
etc
etc
etc

Has anyone verified the chunk of earth
below where the craft was last recorded?

-----Original Message-----
From: verhap@... [mailto:verhap@...]
Sent: Sunday, March 31, 2002 5:51 AM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] TV02A pt 2

> Just to help fill me in - what exactly was the flight configuration as far
as separate capsules/systems?

Yep, the capsule didn't make it home. within about 30 minutes,
everything failed. We had two capsules with independent trackers,
power, batteries, and antennas. They both use the DJ-S11 and
Etrex. They use different TNCs.

It's fairly dry up here. I don't think condensation is that much of a
problem. Air can flow in and out of the capsule. So what mositure
there is, will be replaced with dry air aloft.

Paul

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81:HM/A=847665/R=0/*http://ads.x10.com/?bHlhaG9vbW9uc3RlcjcuZGF0=1017604325%
3eM=215002.1818248.3328688.1261774/D=egroupweb/S=1705083281:HM/A=847665/R=1>

<http://us.adserver.yahoo.com/l?M=215002.1818248.3328688.1261774/D=egroupmai
l/S=1705083281:HM/A=847665/rand=431953752>

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2348. RE: [tvnsp] TV02A pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-01 16:31:31 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2281 Message: 2348

> okay, just an idea... The only way I can imagine two separate APRS systems
> failing at once....
> would be some kind of mechanical disturbance (catastrophic)
> Theory 1) It plummeted to earth and is now a pancake.
> Theory 2) It got eaten by an airplane
> etc
> etc
> etc
>
> Has anyone verified the chunk of earth
> below where the craft was last recorded?

We have a record from 77,000 feet. So it didn't collide with an
airplane. The -11 capsule failed when its battery died.

This still leaves the issue of why there were so few posits and why
the -1 capsule failed.

Paul

2349. RE: [tvnsp] TV02A pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-01 16:33:43 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 2281 Message: 2349

What are the coordinates of the last record at 77,000 K ?

Paul, in your professional opinion, if it were to plummet to earth....
what kind of search radius should we be looking for, relative to the
last coordinate? I could use a nice hike/mtn bike ride after work :)

-----Original Message-----
From: verhap@... [mailto:verhap@...]
Sent: Monday, April 01, 2002 2:32 AM
To: tvnsp@yahoogroups.com
Subject: RE: [tvnsp] TV02A pt 2

> okay, just an idea... The only way I can imagine two separate APRS systems
> failing at once....
> would be some kind of mechanical disturbance (catastrophic)
> Theory 1) It plummeted to earth and is now a pancake.
> Theory 2) It got eaten by an airplane
> etc
> etc
> etc
>
> Has anyone verified the chunk of earth
> below where the craft was last recorded?

We have a record from 77,000 feet. So it didn't collide with an
airplane. The -11 capsule failed when its battery died.

This still leaves the issue of why there were so few posits and why
the -1 capsule failed.

Paul

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81:HM/A=1000239/R=0/*http://ads.x10.com/?bHlhaG9vaG0xLmRhd=1017678726%3eM=21
5002.1954253.3462811.1261774/D=egroupweb/S=1705083281:HM/A=1000239/R=1>

<http://us.adserver.yahoo.com/l?M=215002.1954253.3462811.1261774/D=egroupmai
l/S=1705083281:HM/A=1000239/rand=365985781>

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2350. Re: [tvnsp] Battery Failure

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-01 16:48:09 UTC
From: Mark Conner
Topic: 2343 Message: 2350

>As far as condensation. There was some high cirrus clouds, and
>as I recall, we didn't get any culumus later in the day. This
>indicates to me (Mark, can you correct me), that the air was very
>dry. Cirrus occurs when the dew point is below freezing, cumulus
>occurs when the dew point is above freezing. Also, as I recall,
>there was no dew on the grass when we launched. I really don't
>think condensation was the issue here.

Clouds with water droplets can form at altitudes above freezing. The small size of the droplets lets them stay in the liquid state. At -10 to -20 C you then begin to see more in the way of ice crystals in clouds, and at cirrus altitudes and temperatures (-40C range) they're all ice.

The 12Z BOI sounding for Saturday morning
http://weather.uwyo.edu/cgi-bin/sounding?region=naconf&TYPE=GIF%3ASKEWT&YEAR=2002&MONTH=03&FROM=3012&TO=3012&STNM=72681
(url needs to be all one line)
does not show any layers near saturation, but there can be a lot of small-scale variations not reflected in the soundings.

I have my circuit board in a plastic project box that is not airtight but allows only minimal air movement in and out. This probably minimizes the amount of free air that can get to the board during descent and thus minimize the amount of moisture that can be transported to the board and then condense on it. It also keeps me from shorting out traces if I were to drop some bit of metal near it. Spraying the board with an insulating material is probably better, and prevents the exposed copper from tarnish/corrosion.

When I noticed the RF lockup of the TinyTrak during my testing last week, it didn't happen immediately. It had been running for a few minutes then it locked up. It's possible random variations of the antenna or capsule orientation may have brought enough RF onto the TT2 board at some point into the flight, but not during the powerup on the ground.

>The disharged voltage of the flight
>battery really should have been 5.4 volts. So the charged value
>becomes 7.2 volts. I need six cells on the flight battery to be able
>to get the best lifetime. Unfortunately this means there's a 2.2 volt
>waste at the beginning of the flight.

I run NiMH packs for my capsules - more capacity per unit weight and volume. I also decided on a 6-cell configuration despite the "waste". At full charge, the no-load voltage is about 8.4V. When I turn on the

steady-state load (no transmitting) this drops to about 8.1-8.2V. The transmitter knocks off about 0.2-0.3V when it keys up. The batteries are pretty good down to about 6.6V, then after that the voltage depression when the transmitter keys up is pretty steep. There's very little capacity between 1.1V/cell and "dead" anyway. Another reason I went 6-cell was to provide more voltage for the radio - the power output was quite a bit less at 5-6V than it was at 7-8V.

There are three-terminal switching regulators that are supposed to be high-efficiency pin replacements for the standard types. I think they are $7 or more each, and I can't remember what their low-voltage characteristics are like. I think their drop-out voltage is higher (perhaps 2.0V instead of 0.25V) which negates a lot of the efficiency gains for a 6-cell pack to provide 5V bus voltage.

The NiMH packs have been very predictable now that I have a good charger, know what a good charge cycle looks like voltage-wise, and put the cells into a pack in the right orientation (I got one cell backwards for my first pack and flew it that way twice before it failed). The lithium cells were too expensive for me new, and were too much like Forrest Gump's box of chocolates for the surplus ones. Plus I can test in my flight configuration multiple times and not have the expense of the one-use batteries.

I think the voltage telemetry tells the tale for the primary beacon. On the backup beacon, what power was used for the transmitter? Do we know what the battery life for the backup beacon was like? On NSTAR 02-A our backup beacon had too little power to reliably transmit packets that could be decoded on the ground. My home station lost track of it above 40,000 ft (probably distance caused the fading, not altitude), but one lone packet was decoded at 90,000 ft during ascent. For 02-B at the higher power setting we had little trouble.

73 de Mark N9XTN

2351. RE: [tvnsp] TV02A pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-01 16:53:49 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2281 Message: 2351

> What are the coordinates of the last record at 77,000 K ?
>
> Paul, in your professional opinion, if it were to plummet to earth....
> what kind of search radius should we be looking for, relative to the
> last coordinate? I could use a nice hike/mtn bike ride after work :)

I didn't bring that with me to work. Can someone forward that to
the list.

The balloon may have burst at 77,000 feet. The parachute really
wouldn't fail. From the symptoms I see, the balloon worked fine,
there was no impact.

Paul

2352. Re: [tvnsp] Battery Failure

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-01 16:59:21 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2343 Message: 2352

> I think the voltage telemetry tells the tale for the primary beacon.
> On the backup beacon, what power was used for the transmitter? Do we
> know what the battery life for the backup beacon was like? On NSTAR 02-
> A our backup beacon had too little power to reliably transmit packets
> that could be decoded on the ground. My home station lost track of it
> above 40,000 ft (probably distance caused the fading, not altitude),
> but one lone packet was decoded at 90,000 ft during ascent. For 02-B
> at the higher power setting we had little trouble.

The HT was a DJ-S11. It's output is 340 mW. We've had
telemetry from the S11 in the past, but I was wondering this
weekend about going to the Vertex.

I wonder if that's the scenario for this flight. We did listen for bad
packets after the -1 beacon cut out and thought we heard a few.

Paul

2353. Re: Any recovery mission ideas?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-01 17:28:39 UTC
From: n1ltv
Topic: 2325 Message: 2353

> The predicted landing positions for different burst altitudes and
> landing speeds should follow a straight line (a heading of 131
> degrees as I recall).

134 degrees

2354. KD4STH-11 log with extra notes

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-01 17:30:47 UTC
From: n1ltv
Topic: 2354 Message: 2354

These are the position reports from KD4STH-1 with elapsed
time inferred from the altitude gains.

Note that reports begin to be missed as early as minutes four
through six which should have appeared as low as 7000 feet
altitude.

Readers to the list tuning in today are advised to read
John Stone's message (TVNSP #2315, Sunday) for an excellent
summation of events and positions, and a prescription for what
needs to be fixed, both with respect to hardware and to TVNSP
procedures.

Hank
---

latitude longitude altitude elapsed time
from launch

43 44.44 117 03.92 3136 1
43 44.20 117 03.77 4369 2
43 44.12 117 03.59 5550 3

43 42.91 117 01.98 10268 7
43 42.34 117 01.34 11511 8

43 41.20 116 59.94 13926 10
43 40.69 116 59.22 15149 11
43 40.21 116 58.46 16340 12

43 39.07 116 56.96 18916 14

43 37.80 116 55.45 21370 16

43 36.15 116 53.19 24844 19

last transmission----

43 11.91 116 17.77 77282 approximately
66 minutes after launch

2355. Re: Battery Failure

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-01 17:40:27 UTC
From: n1ltv
Topic: 2343 Message: 2355

Paul,

I think organization of a recovery effort is very important in case this landed in an area where it might be picked up by someone and not returned, or float or wash away.

However, since the battery subject has come up, could you please give the list a rundown on the complete battery complement in use on this payload including built-in HT batteries. Cell size, number of cells, cell chemistry.

For how many flight have you been using ni-cads, and have you sucessfully used 5 in series before to power that same device?

Hank

2356. Re: KD4STH-1 log with extra notes

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-01 17:48:23 UTC
From: Hank Riley
Topic: 2354 Message: 2356

It's KD4STH-1. The caption was a typo.

_____
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Yahoo! Greetings - send holiday greetings for Easter, Passover
http://greetings.yahoo.com/

2357. request that long log files be uploaded to TVNSP YG file area

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-01 18:09:27 UTC
From: n1ltv
Topic: 2357 Message: 2357

Uploading a zipped file, or two smaller zip files will
save unnecessary email requests and the possibility of
email failures.

2358. Re: [tvnsp] Re: Battery Failure

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-01 19:20:22 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2343 Message: 2358

> However, since the battery subject has come up,
> could you please give the list a rundown on the
> complete battery complement in use on this payload
> including built-in HT batteries. Cell size, number
> of cells, cell chemistry.

The Etrex has its own alkalines. The HT and flight computer use 6
volts worth of nicads. The TTII uses a 9v alkaline. It's radio uses 3
"AA" alkalines.

> For how many flight have you been using ni-cads,
> and have you sucessfully used 5 in series before
> to power that same device?

Thre nicads were on their third flight.

Paul

2359. Re: [tvnsp] Fwd: Unable to deliver your message

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-01 19:29:10 UTC
From: Zack Clobes
Topic: 2332 Message: 2359

I'd also like a copy of the log file.

zack@...

----- Original Message -----
From: Rick Widmer
To: tvnsp@yahoogroups.com
Sent: Sunday, March 31, 2002 9:28 PM
Subject: Re: [tvnsp] Fwd: Unable to deliver your message

I'd like to get a copy of the file too, please.

Tony Barrett wrote:
>
> Paul,
>
> As you can see from the message below I couldn't send my complete 900 KB
> log through Yahoo Groups.
>
> I'll try sending it directly to your email address. If others want a copy
> they will have to let me know.

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2360. Re: [tvnsp] More flight analysis

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-01 19:40:17 UTC
From: Zack Clobes
Topic: 2279 Message: 2360

The condensation problem you are referring to, I believe, was ours. However it was on the way down that we lost contact.

Everything was working fine down through about 8k. The internal temp was approaching 0C. The last packet received was about 8,500 as I recall which I assume was about the height of a heavy semi-dark layer of clouds (nearly overcast if my memory serves me). Just shortly after the last packet, the transmitter keyed up (I'm guess this was simply a water-induced short between the PTT/Mic line and ground and a squealing was heard). We're using a custom modem (MX-614) which tends to produce a steady state audio tone when things aren't going well for it.

The coating that we've been using is made by MG Chemical and it's part number is 422-1. It's just called Conformal Coating. Our was purchased locally, but I think you can find it from Newark Electronics. Ours is a brush-on type and we usually put on 2-3 heavy coats on top and bottom. The stuff does go away with heat (i.e. you can still de-solder after applying the coating).
Zack Clobes, W0ZC
Project: Traveler

----- Original Message -----
From: Rick Widmer
To: tvnsp@yahoogroups.com
Sent: Monday, April 01, 2002 3:17 AM
Subject: Re: [tvnsp] More flight analysis

Tony Barrett wrote:

> I don't think the cabin temperature needs to drop below freezing for us to
> get condensation.

It certainly doesn't. The name for the magic temperature is
the dew point. Anything below the dew point will have
moisture build up on it. It can be a big hassle for
astronomers. High humidity + cool temperatures = dew
buildup on your equpmnent...

> 18 inches seems too close for 2 meter transmitting antennas.

That may be, but they were the same distance at launch, and
hopefully you had valid aprs from both trackers before
launch. My bet is on condensation. I believe it fits the
pattern of this failure very well.

>I would expect condensation on descent rather than ascent. As
>you go up, your equipment is substantially warmer than the
>environment and you're going upwards into what is usually a dry
>environment.

That sounds reasonable, but I'm pretty sure another group that had a similar problem had their failure on the way _up_ too. I wish I could find a link to the web site I'm thinking of. You may have seen it, it came up in the flight controller discussion a few months ago. I believe the story went something like: They had an in flight failure, then duplicated it by spraying the tracker board with circuit cooler until it started to show condensation at which time they got a failure similar to the one thay had during the flight. They started coating their boards and never had another failure.

I spent a little time looking for a source on PC board coating in a spray can, but haven't found anything yet. I did find a source with a minimum 1 quart container of an acrylic based PC coating, but no price and availability info without calling them. I have a feeling even a couple coats of clear acrylic spray paint would take care of condensation problems, just make sure the dried paint isn't conductive before you do a board.

Rick

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2361. Re: [tvnsp] FRR

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-01 19:43:44 UTC
From: Zack Clobes
Topic: 2345 Message: 2361

Why don't you just let the controller do the match on the A/D conversion in the air so you can actually have real values (mine come down as a long type (C) in mV). It would be much easier to catch a bad battery voltage or programming error if you didn't have to manually run calculations on it each time.

Zack Clobes, W0ZC
Project: Traveler
----- Original Message -----
From: verhap@...
To: tvnsp@yahoogroups.com
Sent: Monday, April 01, 2002 8:58 AM
Subject: [tvnsp] FRR

On the FRR I want to add the following items. We'll need to put this into a checklist and document the values.

First, we need to connect the batteries, power up the capsule, and measure the current.

Second, we need to record the battery voltages and the telemetry values associated with them.

I started a new chapter in my book last night about flight qualifying and preflight testing. Writing the outline added another three pages to the book.

Paul

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2362. One or two Etrex?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-01 20:39:28 UTC
From: Jeff Melanson
Topic: 2362 Message: 2362

Paul,
Did both trackers share the same Etrex or did each tracker have it's own GPS? Was the Etrex for the Tiny Track II exposed to the cold? I believe someone mentioned that this tracker was on top of the parachute. How well insulated was it? If the alkaline batteries became cold the Etrex would have shutdown and it won't restart. We experienced this on a flight last year when my capsule flew for the first time. I tested this problem by using my freezer. I changed to NiMH batteries and also added external battery power. For the external batteries I built an insulated battery box and still used 2 AA alkalines.

Jeff
KD7INN

2363. Soundings

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-01 20:48:29 UTC
From: Jeff Melanson
Topic: 2363 Message: 2363

Hi all,
How do I get a copy of the original sounding for the day of the launch? Surely a record is kept somewhere!? On the Wyoming website they chop off the sounding at 100 mbars. The Stormchaser website doesn't seem to have any historical soundings available. Surely on this vast internet historical soundings should be available. Any ideas?

Jeff
KD7INN

2364. Re: Battery Failure

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-01 20:54:05 UTC
From: n1ltv
Topic: 2343 Message: 2364

>The HT and flight computer use 6 volts worth of nicads.

Are these the same nicads, in other words is one set
of nicads powering both the HT and FC. What size are
these nicads?

I hope the answer is not AA.

Whatever size they are, 6 volts is inexcusable for
powering mission critical systems that absolutely,
positively need 5 volts. This was an accident waiting
to happen.

Nicads are poor cold weather performers. Boise's
temperature at 6 AM Saturday was about 30 degrees.
This may have been the coldest that this arrangement
of nicads ever has been *prior* to launch, although
the normal low for Boise November 17 is 31.

I would not think it excessive to add not just one but
two more cells and it might be better to have an
independent battery for the FC.

Hank

2365. Re: Soundings

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-01 20:58:52 UTC
From: n1ltv
Topic: 2363 Message: 2365

> How do I get a copy of the original sounding for the day of
> the launch? Surely a record is kept somewhere!? On the Wyoming
> website they chop off the sounding at 100 mbars.

I'll upload a complete file from Florida State to TVNSP
in a minute.

I ran into the clipped file at U Wyoming Saturday night.
Certain files there are clipped and some aren't.

Hank

2366. New file uploaded to tvnsp

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-01 21:04:04 UTC
From: tvnsp@yahoogroups.com
Topic: 794 Message: 2366

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the tvnsp
group.

File : /boise12z033002.txt
Uploaded by : n1ltv <n1ltv@...>
Description : BOISE upper winds 12Z March 30, 2002

You can access this file at the URL

http://groups.yahoo.com/group/tvnsp/files/boise12z033002.txt

To learn more about file sharing for your group, please visit

http://help.yahoo.com/help/us/groups/files

Regards,

n1ltv <n1ltv@...>

2367. Re: [tvnsp] Re: Battery Failure

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-01 21:34:43 UTC
From: John Knapp
Topic: 2343 Message: 2367

This is the same question I asked Paul in a private email. Now I will throw it out to the group. My question was 'if the air temperature is below freezing would it affect anything?' Not sure of the exact wording but what I am getting at is this: In Meridian the moring temperatures have been at freezing or a little lower, generally colder than at the airport where the official temps are taken. Since Adrian is a little higher in elevation and the capsules are open to the air while the batteries are connected, switches turned on, etc could the capsules actually be colder than the surronding air after launch. If I remember correctly, we generally have a layer of cold air next to the ground and the air warms up a little before getting colder again - a slight inversion. I don't remember if we had ice on Saturday morning or not, too sleepy to remember I guess. And since I was on the headstart team, we were running about an hour later then the rest of the group.

John Knapp
KD7HGS

--- n1ltv <n1ltv@...> wrote:
> >The HT and flight computer use 6 volts worth of
> nicads.
>
> Are these the same nicads, in other words is one set
> of nicads powering both the HT and FC. What size
> are
> these nicads?
>
> I hope the answer is not AA.
>
> Whatever size they are, 6 volts is inexcusable for
> powering mission critical systems that absolutely,
> positively need 5 volts. This was an accident
> waiting
> to happen.
>
> Nicads are poor cold weather performers. Boise's
> temperature at 6 AM Saturday was about 30 degrees.
> This may have been the coldest that this arrangement
> of nicads ever has been *prior* to launch, although
> the normal low for Boise November 17 is 31.

>
> I would not think it excessive to add not just one
> but
> two more cells and it might be better to have an
> independent battery for the FC.
>
> Hank
>
>

_____
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http://greetings.yahoo.com/

2368. Re: [tvnsp] One or two Etrex?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-01 21:32:59 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2362 Message: 2368

> Paul,
> Did both trackers share the same Etrex or did each tracker have it's own GPS? Was the Etrex for the Tiny Track II exposed to the cold? I believe someone mentioned that this tracker was on top of the parachute. How well insulated was it? If the alkaline batteries became cold the Etrex would have
shutdown and it won't restart. We experienced this on a flight last year when my capsule flew for the first time. I tested this problem by using my freezer. I changed to NiMH batteries and also added external battery power. For the external batteries I b
uilt an insulated battery box and still
used 2 AA alkalines.

Each had ytheir own Etrex. Both of the recievers were in styro
boxes for warmth.

Paul

2369. Re: [tvnsp] Re: Battery Failure

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-01 21:34:23 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2343 Message: 2369

> Are these the same nicads, in other words is one set
> of nicads powering both the HT and FC. What size are
> these nicads?

No they had their own nicads. The batteries were AAs.

Paul

2370. Re: [tvnsp] Re: Battery Failure

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-01 22:44:55 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2343 Message: 2370

> This is the same question I asked Paul in a private
> email. Now I will throw it out to the group. My
> question was 'if the air temperature is below freezing
> would it affect anything?' Not sure of the exact
> wording but what I am getting at is this: In Meridian
> the moring temperatures have been at freezing or a
> little lower, generally colder than at the airport
> where the official temps are taken. Since Adrian is a
> little higher in elevation and the capsules are open
> to the air while the batteries are connected, switches
> turned on, etc could the capsules actually be colder
> than the surronding air after launch. If I remember
> correctly, we generally have a layer of cold air next
> to the ground and the air warms up a little before
> getting colder again - a slight inversion. I don't
> remember if we had ice on Saturday morning or not, too
> sleepy to remember I guess. And since I was on the
> headstart team, we were running about an hour later
> then the rest of the group.

As I recall, it was high and dry Saturday morning.

Paul

2371. Re: [tvnsp] One or two Etrex?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-01 23:44:45 UTC
From: Zack Clobes
Topic: 2362 Message: 2371

Why would you put the GPS outside anyway? While testing our setup, we've found that a GPS looking through several inches of Styrofoam only causes about a 2db loss. There's plenty of signal for posit lock once you get above the trees/buildings.
----- Original Message -----
From: Jeff Melanson
To: tvnsp@yahoogroups.com
Sent: Monday, April 01, 2002 2:39 PM
Subject: [tvnsp] One or two Etrex?

Paul,
Did both trackers share the same Etrex or did each tracker have it's own GPS? Was the Etrex for the Tiny Track II exposed to the cold? I believe someone mentioned that this tracker was on top of the parachute. How well insulated was it? If the alkaline batteries became cold the Etrex would have shutdown and it won't restart. We experienced this on a flight last year when my capsule flew for the first time. I tested this problem by using my freezer. I changed to NiMH batteries and also added external battery power. For the external batteries I built an insulated battery box and still used 2 AA alkalines.

Jeff
KD7INN

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2372. Re: [tvnsp] Re: Battery Failure

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-01 23:48:21 UTC
From: Zack Clobes
Topic: 2343 Message: 2372

6 volts is pretty shy for a 5V circuit - all depends on your regulator drop though.

As for OAT, on our first attempt at 2002a, the OAT was below 20F with a wind chill closer to 0. It was quite interesting though that the IAT of the capsule was still about 15C once we got the transmitters up and running (while sitting on the ground - the capsule actually didn't fly that day). We had a VX-1R, Garmin 35-HVS, and a 1.5W ATV transmitter all running.
Zack Clobes, W0ZC
Project: Traveler
----- Original Message -----
From: n1ltv
To: tvnsp@yahoogroups.com
Sent: Monday, April 01, 2002 2:54 PM
Subject: [tvnsp] Re: Battery Failure

>The HT and flight computer use 6 volts worth of nicads.

Are these the same nicads, in other words is one set
of nicads powering both the HT and FC. What size are
these nicads?

I hope the answer is not AA.

Whatever size they are, 6 volts is inexcusable for
powering mission critical systems that absolutely,
positively need 5 volts. This was an accident waiting
to happen.

Nicads are poor cold weather performers. Boise's
temperature at 6 AM Saturday was about 30 degrees.
This may have been the coldest that this arrangement
of nicads ever has been *prior* to launch, although
the normal low for Boise November 17 is 31.

I would not think it excessive to add not just one but
two more cells and it might be better to have an
independent battery for the FC.

Hank

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2373. Re: [tvnsp] FRR

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-01 23:55:25 UTC
From: Zack Clobes
Topic: 2345 Message: 2373

How do you plan on measuring current? It sounds like a good idea but I'm not sure if it's worth disconnecting and reconnecting batteries as well as having meter leads and a bunch of hands running around a capsule minutes before launch. Plus you'd have to disconnect and reconnect unless you're using a shunt resistor (which would add extra weight and voltage drop) which adds to the complexity and margin of error. Maybe watching battery voltage immediately before and after powering up all equipment would be a good indicator?
----- Original Message -----
From: verhap@...
To: tvnsp@yahoogroups.com
Sent: Monday, April 01, 2002 8:58 AM
Subject: [tvnsp] FRR

On the FRR I want to add the following items. We'll need to put
this into a checklist and document the values.

First, we need to connect the batteries, power up the capsule, and
measure the current.

Second, we need to record the battery voltages and the telemetry
values associated with them.

I started a new chapter in my book last night about flight qualifying
and preflight testing. Writing the outline added another three pages
to the book.

Paul

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2375. Re: [tvnsp] Battery Failure

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-02 00:49:01 UTC
From: Tony Barrett
Topic: 2343 Message: 2375
Attachments: 2 described; binary payloads are missing from this source WARC

Hmmm, ... Do you think an ice crystal would melt if it came into contact
with a warm circuit board?

At 10:48 AM 4/1/02 -0600, you wrote:
> >As far as condensation. There was some high cirrus clouds, and
> >as I recall, we didn't get any culumus later in the day. This
> >indicates to me (Mark, can you correct me), that the air was very
> >dry. Cirrus occurs when the dew point is below freezing, cumulus
> >occurs when the dew point is above freezing. Also, as I recall,
> >there was no dew on the grass when we launched. I really don't
> >think condensation was the issue here.
>
>Clouds with water droplets can form at altitudes above freezing. The
>small size of the droplets lets them stay in the liquid state. At -10
>to -20 C you then begin to see more in the way of ice crystals in
>clouds, and at cirrus altitudes and temperatures (-40C range) they're
>all ice.
>
>The 12Z BOI sounding for Saturday morning
><http://weather.uwyo.edu/cgi-bin/sounding?region=naconf&TYPE=GIF%>http://weather.uwyo.edu
/cgi-bin/sounding?region=naconf&TYPE=GIF%
>3ASKEWT&YEAR=2002&MONTH=03&FROM=3012&TO=3012&STNM=72681
>(url needs to be all one line)
>does not show any layers near saturation, but there can be a lot of
>small-scale variations not reflected in the soundings.
>
>I have my circuit board in a plastic project box that is not airtight
>but allows only minimal air movement in and out. This probably
>minimizes the amount of free air that can get to the board during
>descent and thus minimize the amount of moisture that can be
>transported to the board and then condense on it. It also keeps me
>from shorting out traces if I were to drop some bit of metal near it.
>Spraying the board with an insulating material is probably better, and
>prevents the exposed copper from tarnish/corrosion.
>
>When I noticed the RF lockup of the TinyTrak during my testing last
>week, it didn't happen immediately. It had been running for a few
>minutes then it locked up. It's possible random variations of the
>antenna or capsule orientation may have brought enough RF onto the TT2
>board at some point into the flight, but not during the powerup on the
>ground.
>
> >The disharged voltage of the flight
> >battery really should have been 5.4 volts. So the charged value

> >becomes 7.2 volts. I need six cells on the flight battery to be able
> >to get the best lifetime. Unfortunately this means there's a 2.2 volt
> >waste at the beginning of the flight.
>
>I run NiMH packs for my capsules - more capacity per unit weight and
>volume. I also decided on a 6-cell configuration despite the "waste".
>At full charge, the no-load voltage is about 8.4V. When I turn on the
>steady-state load (no transmitting) this drops to about 8.1-8.2V. The
>transmitter knocks off about 0.2-0.3V when it keys up. The batteries
>are pretty good down to about 6.6V, then after that the voltage
>depression when the transmitter keys up is pretty steep. There's very
>little capacity between 1.1V/cell and "dead" anyway. Another reason I
>went 6-cell was to provide more voltage for the radio - the power
>output was quite a bit less at 5-6V than it was at 7-8V.
>
>There are three-terminal switching regulators that are supposed to be
>high-efficiency pin replacements for the standard types. I think they
>are $7 or more each, and I can't remember what their low-voltage
>characteristics are like. I think their drop-out voltage is higher
>(perhaps 2.0V instead of 0.25V) which negates a lot of the efficiency
>gains for a 6-cell pack to provide 5V bus voltage.
>
>The NiMH packs have been very predictable now that I have a good
>charger, know what a good charge cycle looks like voltage-wise, and put
>the cells into a pack in the right orientation (I got one cell
>backwards for my first pack and flew it that way twice before it
>failed). The lithium cells were too expensive for me new, and were too
>much like Forrest Gump's box of chocolates for the surplus ones. Plus
>I can test in my flight configuration multiple times and not have the
>expense of the one-use batteries.
>
>I think the voltage telemetry tells the tale for the primary beacon.
>On the backup beacon, what power was used for the transmitter? Do we
>know what the battery life for the backup beacon was like? On NSTAR 02-
>A our backup beacon had too little power to reliably transmit packets
>that could be decoded on the ground. My home station lost track of it
>above 40,000 ft (probably distance caused the fading, not altitude),
>but one lone packet was decoded at 90,000 ft during ascent. For 02-B
>at the higher power setting we had little trouble.
>
>73 de Mark N9XTN
>
>
>
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>b52be15.jpg

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2377. Re: [tvnsp] Re: Battery Failure

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-02 01:19:20 UTC
From: Randy Farley
Topic: 2343 Message: 2377

verhap@... wrote:
>
> > This is the same question I asked Paul in a private
> > email. Now I will throw it out to the group. My
> > question was 'if the air temperature is below freezing
> > would it affect anything?' Not sure of the exact
> > wording but what I am getting at is this: In Meridian
> > the moring temperatures have been at freezing or a
> > little lower, generally colder than at the airport
> > where the official temps are taken. Since Adrian is a
> > little higher in elevation and the capsules are open
> > to the air while the batteries are connected, switches
> > turned on, etc could the capsules actually be colder
> > than the surronding air after launch. If I remember
> > correctly, we generally have a layer of cold air next
> > to the ground and the air warms up a little before
> > getting colder again - a slight inversion. I don't
> > remember if we had ice on Saturday morning or not, too
> > sleepy to remember I guess. And since I was on the
> > headstart team, we were running about an hour later
> > then the rest of the group.
>
> As I recall, it was high and dry Saturday morning.
>
> Paul

Additional recallection comment:
The launch area was surprisingly dry and calm right up to launch.
There was no frost on the grass. I can confirm this since my
knees did not get wet while they were on the protective sheet
and sometimes directly on the grass. I also remember looking at my
temperature guage in the pickup when we arrived at the launch site.
It read 39F on the outside sensor.
In fact i noticed no one exhaled the normal frosty breath trails
during launch preparation. It was generally a comfortable morning
for launch compared to many past launches.
A minor observation,but more data to add to the speculation pot :)

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>
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--
Regards,

Randy Farley
N7GPS -Ham Call-
Find Me at: http://map.findu.com/n7gps*

2378. Re: [tvnsp] Re: Battery Failure

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-02 01:54:59 UTC
From: John Knapp
Topic: 2343 Message: 2378

Thanks Randy.

JohnK
--- Randy Farley <rdfarley@...> wrote:
>
>
> verhap@... wrote:
> >
> > > This is the same question I asked Paul in a
> private
> > > email. Now I will throw it out to the group. My
> > > question was 'if the air temperature is below
> freezing
> > > would it affect anything?' Not sure of the exact
> > > wording but what I am getting at is this: In
> Meridian
> > > the moring temperatures have been at freezing or
> a
> > > little lower, generally colder than at the
> airport
> > > where the official temps are taken. Since Adrian
> is a
> > > little higher in elevation and the capsules are
> open
> > > to the air while the batteries are connected,
> switches
> > > turned on, etc could the capsules actually be
> colder
> > > than the surronding air after launch. If I
> remember
> > > correctly, we generally have a layer of cold air
> next
> > > to the ground and the air warms up a little
> before
> > > getting colder again - a slight inversion. I
> don't
> > > remember if we had ice on Saturday morning or
> not, too
> > > sleepy to remember I guess. And since I was on
> the
> > > headstart team, we were running about an hour
> later
> > > then the rest of the group.
> >
> > As I recall, it was high and dry Saturday morning.

> >
> > Paul
>
> Additional recallection comment:
> The launch area was surprisingly dry and calm right
> up to launch.
> There was no frost on the grass. I can confirm this
> since my
> knees did not get wet while they were on the
> protective sheet
> and sometimes directly on the grass. I also remember
> looking at my
> temperature guage in the pickup when we arrived at
> the launch site.
> It read 39F on the outside sensor.
> In fact i noticed no one exhaled the normal frosty
> breath trails
> during launch preparation. It was generally a
> comfortable morning
> for launch compared to many past launches.
> A minor observation,but more data to add to the
> speculation pot :)
>
>
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> --
> Regards,
>
> Randy Farley
> N7GPS -Ham Call-
> Find Me at: http://map.findu.com/n7gps*
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2379. Schematic

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-02 02:50:34 UTC
From: Stephanie Steele
Topic: 2379 Message: 2379

I would love to see a schematic of how the recovery beacon equipment was wired and powered and what, if any, insulation was provided for the Etrex. I have a theory but I will keep it to myself until I have this information.

Stephanie

Tony Barrett wrote:

The recovery beacon GPS must have kept going or restarted itself somehow. We got posits from it for the first 18 minutes, then nothing until 66 minutes into the flight, and then only a single report. Nothing was heard after that. Seems like if the GPS turned off we would not have seen the report at the 66 minute mark from 77,000 feet.

At 01:39 PM 4/1/02 -0700, you wrote:

Paul,
Did both trackers share the same Etrex or did each tracker have it's own GPS? Was the Etrex for the Tiny Track II exposed to the cold? I believe someone mentioned that this tracker was on top of the parachute. How well insulated was it? If the alkaline batteries became cold the Etrex would have shutdown and it won't restart. We experienced this on a flight last year when my capsule flew for the first time. I tested this problem by using my freezer. I changed to NiMH batteries and also added external battery power. For the external batteries I built an insulated battery box and still used 2 AA alkalines.

Jeff
KD7INN

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b662c10.jpg

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--
Stephanie

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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2380. Re: [tvnsp] KD4STH-11 log with extra notes

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-02 03:48:40 UTC
From: Zack Clobes
Topic: 2354 Message: 2380

I'm having a hard time getting the ascent rates of 1136 (as averaged by someone else on the list.. I don't remember who). By using Hank's numbers below, it looks to me like the ascent rate was more like 1205 ft/min. (Average the first 11 reports and forget the last one since we don't know if that's comin or goin). The only way I get anything close to 1136 is if I average from report 1 to report 12 (which yields about 1140 ft/min).

If we use only the first eleven and assume that we have a 1205 ft/min ascent and -8000 ft/min descent (immediately after burst), then that would put a burst at approximately 65.5 minutes and about 81,000'. At that altitude, it appears that wind speeds were in their 20's and therefore the last report at 77k would be very close to the actual burst point (within about a half mile).

Since I'm having a hard time finding any kind of a time stamp in the received data, I'm left to assume that Hank was using approximation to get the time for the individual packets and therefore the above numbers may be slightly skewed. However, from a mechanical/electrical standpoint, it would make sense that a piece of equipment would either start or stop running just after burst because of the shear violence of the tumble - surely that would be sufficient to knock around some water droplets or make/break a loose connection.

Upon looking at the logs more closely from Tony, he brings out the fact that the -11 continued to transmit telemetry (no posits) for 17 minutes. Paul, how is the software written to allow it to continue telemetry without posits? Does it continue to send telemetry (and ignore posits) if the GPS dies? Should the controller been sending out some sort of error message under these conditions or not?

And finally, Project: Traveler has made it a policy that any potentially useful data (i.e. posit and telemetry but not general broadcast/status messages) must also include at least hour/minutes if not hour/minutes/seconds. The current UTC time is swiped off the NMEA data stream from the GPS. If the GPS should fail, the controller goes into a failure mode that just transmits telemetry with a time of '0000'. It has greatly improved our ability to combine log files and get the telemetry/position data chronologically correct.

Just my couple of cents.
Zack Clobes, W0ZC
Project: Traveler

----- Original Message -----
From: n1ltv
To: tvnsp@yahoogroups.com
Sent: Monday, April 01, 2002 11:30 AM
Subject: [tvnsp] KD4STH-11 log with extra notes

These are the position reports from KD4STH-1 with elapsed
time inferred from the altitude gains.

Note that reports begin to be missed as early as minutes four
through six which should have appeared as low as 7000 feet
altitude.

Readers to the list tuning in today are advised to read
John Stone's message (TVNSP #2315, Sunday) for an excellent
summation of events and positions, and a prescription for what
needs to be fixed, both with respect to hardware and to TVNSP
procedures.

Hank
---

latitude longitude altitude elapsed time
from launch

43 44.44 117 03.92 3136 1
43 44.20 117 03.77 4369 2
43 44.12 117 03.59 5550 3

43 42.91 117 01.98 10268 7
43 42.34 117 01.34 11511 8

43 41.20 116 59.94 13926 10
43 40.69 116 59.22 15149 11
43 40.21 116 58.46 16340 12

43 39.07 116 56.96 18916 14

43 37.80 116 55.45 21370 16

43 36.15 116 53.19 24844 19

last transmission----

43 11.91 116 17.77 77282 approximately
66 minutes after launch

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2381. Flight Predictions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-02 04:25:57 UTC
From: Zack Clobes
Topic: 2381 Message: 2381
Attachments: 1 described; binary payloads are missing from this source WARC

I'm rather new to the flight prediction stuff, but I'm putting my money on a couple miles north or north-east of Grand View. Maybe a little more to the south from this plot.

Zack

2382. Re: KD4STH-11 log with extra notes

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-02 04:30:51 UTC
From: Hank Riley
Topic: 2354 Message: 2382

> I'm having a hard time getting the ascent rates of 1136 (as
> averaged by someone else on the list.. I don't remember who).

[small snip]

> The only way I get anything
> close to 1136 is if I average from report 1 to report 12 (which
> yields about 1140 ft/min).

The 1140 is what I've posted to this list and is based, purposely and necessarily on the time to attain 77k. It is done that way to work into Balloontrack with the assumption that the 77k is either right at burst or still on the way up. I noticed Saturday that the ascent for the first 20 minutes was a little higher.

Hank

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2383. Re: [tvnsp] FRR

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-02 04:50:13 UTC
From: Doug Rich
Topic: 2345 Message: 2383

Maxim has an ic that will provide current readings.
Doug W7DVR

At 05:55 PM 4/1/02 -0600, you wrote:
>How do you plan on measuring current? It sounds like a good idea but I'm
>not sure if it's worth disconnecting and reconnecting batteries as well as
>having meter leads and a bunch of hands running around a capsule minutes
>before launch. Plus you'd have to disconnect and reconnect unless you're
>using a shunt resistor (which would add extra weight and voltage drop)
>which adds to the complexity and margin of error. Maybe watching battery
>voltage immediately before and after powering up all equipment would be a
>good indicator?

2385. Re: [tvnsp] FRR

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-02 05:10:41 UTC
From: Tony Barrett
Topic: 2345 Message: 2385
Attachments: 2 described; binary payloads are missing from this source WARC

But by what mechansim? Voltage drop? Hall effect?

At 10:50 PM 4/1/02 -0600, you wrote:
>Maxim has an ic that will provide current readings.
>Doug W7DVR
>
>At 05:55 PM 4/1/02 -0600, you wrote:
>>How do you plan on measuring current? It sounds like a good idea but I'm
>>not sure if it's worth disconnecting and reconnecting batteries as well
>>as having meter leads and a bunch of hands running around a capsule
>>minutes before launch. Plus you'd have to disconnect and reconnect
>>unless you're using a shunt resistor (which would add extra weight and
>>voltage drop) which adds to the complexity and margin of error. Maybe
>>watching battery voltage immediately before and after powering up all
>>equipment would be a good indicator?
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2386. Log Files

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-02 05:18:56 UTC
From: Tony Barrett
Topic: 2386 Message: 2386
Attachments: 1 described; binary payloads are missing from this source WARC

Hello everyone,

I zipped up all my log files. At 81 KB they should go through now.

Enjoy,

Tony

2387. Re: [tvnsp] FRR

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-02 05:29:59 UTC
From: Tony Barrett
Topic: 2345 Message: 2387
Attachments: 2 described; binary payloads are missing from this source WARC

Hello Team and Friends,

I'd like to propose that we make it SOP to run three successful "tethered" full-duration "flights" (no balloon) of a "frozen" design / configuration prior to any actual flight. We could hang it from a tree so it swings in the wind. We could run it at night so its a little colder. We could run on odd frequencies so we don't bother folks. I thought about dummy loads, but that would defeat the purpose. Even testing on another frequency introduces some risk. Maybe we "fly" between 2 and 6 AM so no one cares about the added packet-racket on 144.39. Once we prove this works (three successful flights in a row with no design changes), then we're ready for an actual balloon-borne flight. This would shake out the RF bugs, if there are any, but would not give us the affects of cold and altitude. Anyway, three sets of batteries seems cheap, and it might even be a fun confidence builder. We could practice "launching", "data" logging, digi-peating, analysis, etc. During "flight" nothing should radically shift position; e.g. we can't have one antenna falling down on another. We could even "fly" in the back of a pickup truck.

We could even get brave and torture test the whole arrangement. We could do a four hour shock and vibration test. We could spray water on it. We could beam high powered RF at it. If it survives that, a trip to near-space would be as smooth as - well as smooth as a ride on a balloon.

Those are my thoughts. We need more practice and design verification, which can be just as much fun as real flights - even more fun than flights where we lose it all. For many years I worked as a reliability engineer on LaserJet printers. We cut total failures in a very complex system by 90% and cut manufacturing costs in half - DURING THE SAME TIME PERIOD. I think I can bring a lot of reliability engineering experience to the team.

Here's another idea. Run an entire practice "flight" in a freezer. It provides cold and RF shielding!

Maybe we should require that all battery systems be frozen and still power their loads for 3X the expected flight duration.

Maybe we go to beacons once every 10 minutes after four hours so the batteries last long enough for us to find the capsules. It would be great if the TNC / radio batteries lasted as long as the GPS batteries, which is about 18 hours (?) if memory serves.

We still don't know we suffered a battery failure. Maybe one, but two?

Another thought occurred to me. I had a pipe freeze up here at the house once. The very well insulated pipe froze because it was insulated from any

source of heat! Perhaps our separate foam compartments don't allow our loads to heat our sources (batteries).

Just suggestions.

Tony

At 07:58 AM 4/1/02 -0700, you wrote:
>On the FRR I want to add the following items. We'll need to put
>this into a checklist and document the values.
>
>First, we need to connect the batteries, power up the capsule, and
>measure the current.
>
>Second, we need to record the battery voltages and the telemetry
>values associated with them.
>
>I started a new chapter in my book last night about flight qualifying
>and preflight testing. Writing the outline added another three pages
>to the book.
>
>Paul
>
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2388. Re: [tvnsp] FRR

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-02 06:51:20 UTC
From: Stephanie Steele
Topic: 2345 Message: 2388

I second Tony's thoughts on this. I would probably not have suggested quite as comprehensive a testing procedure but we really should so some real time testing. I especially like the suggestion to "fly" the flight ready packages in the back of a pickup, again using a road trip to a high altitude location to test assent and descent performance of the tracking / recovery systems.It would not be too difficult to build a structure to suspend the capsules in the rear of a pickup so they can swing and twist and experience thermal loss from air movement.

Just the thoughts of a mad woman.

I know, shut up and get back in the kitchen.

Stephanie

Tony Barrett wrote:

Hello Team and Friends,

I'd like to propose that we make it SOP to run three successful "tethered" full-duration "flights" (no balloon) of a "frozen" design / configuration prior to any actual flight. We could hang it from a tree so it swings in the wind. We could run it at night so its a little colder. We could run on odd frequencies so we don't bother folks. I thought about dummy loads, but that would defeat the purpose. Even testing on another frequency introduces some risk. Maybe we "fly" between 2 and 6 AM so no one cares about the added packet-racket on 144.39. Once we prove this works (three successful flights in a row with no design changes), then we're ready for an actual balloon-borne flight. This would shake out the RF bugs, if there are any, but would not give us the affects of cold and altitude. Anyway, three sets of batteries seems cheap, and it might even be a fun confidence builder. We could practice "launching", "data" logging, digi-peating, analysis, etc. During "flight" nothing should radically shift position; e.g. we can't have one antenna falling down on another. We could even "fly" in the back of a pickup truck.

We could even get brave and torture test the whole arrangement. We could do a four hour shock and vibration test. We could spray water on it. We could beam high powered RF at it. If it survives that, a trip to near-space would be as smooth as - well as smooth as a ride on a balloon.

Those are my thoughts. We need more practice and design verification, which can be just as much fun as real flights - even more fun than flights where we lose it all. For many years I worked as a reliability engineer on LaserJet printers. We cut total failures in a very complex system by 90% and cut manufacturing costs in half - DURING THE SAME TIME PERIOD. I think I can bring a lot of reliability engineering experience to the team.

Here's another idea. Run an entire practice "flight" in a freezer. It provides cold and RF shielding!

Maybe we should require that all battery systems be frozen and still power their loads for 3X the expected flight duration.

Maybe we go to beacons once every 10 minutes after four hours so the batteries last long enough for us to find the capsules. It would be great if the TNC / radio batteries lasted as long as the GPS batteries, which is about 18 hours (?) if memory serves.

We still don't know we suffered a battery failure. Maybe one, but two?

Another thought occurred to me. I had a pipe freeze up here at the house once. The very well insulated pipe froze because it was insulated from any source of heat! Perhaps our separate foam compartments don't allow our loads to heat our sources (batteries).

Just suggestions.

Tony

At 07:58 AM 4/1/02 -0700, you wrote:

On the FRR I want to add the following items. We'll need to put
this into a checklist and document the values.

First, we need to connect the batteries, power up the capsule, and
measure the current.

Second, we need to record the battery voltages and the telemetry
values associated with them.

I started a new chapter in my book last night about flight qualifying
and preflight testing. Writing the outline added another three pages
to the book.

Paul

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--
Stephanie

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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2389. Re: [tvnsp] FRR

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-02 05:02:54 UTC
From: Rick Widmer
Topic: 2345 Message: 2389

Tony Barrett wrote:
>
> Hello Team and Friends,
>
> I'd like to propose that we make it SOP to run three successful "tethered"
> full-duration "flights" (no balloon) of a "frozen" design / configuration
> prior to any actual flight.

I suggest you change from "full-duration" to "run it till it
dies." When it does die find out which set of batteries
gave up first, and consider how long it took. Maybe you
want to use stonger batteries.

Also add "of that configuration" to the end of the last
sentence. No need to waste three sets of batteries if you
don't change anything between flights.

> We could run on odd frequencies so we don't bother folks. I thought about dummy loads,
> but that would defeat the purpose. Even testing on another frequency
> introduces some risk.

I think different frequency is a good idea, with little
risk. My biggest worry would be that the transmitter
battery life is different on the alternate frequency, which
is easy to control for. The next risk would be forgetting
to reset the frequency before launcn, which should be
rapidly noticed during pre-flight testing.

> We could even "fly" in the back of a pickup truck. We could
> do a four hour shock and vibration test. We could spray water on it.

Combine them all and go four wheeling in the rain... Sounds
fun! If the tracker can't take it how do you trust it for
flight?

> We could beam high powered RF at it.

I don't see much RF risk for most flights. I guess you
could come down thru the beam of a high power microwave
link, or near a radio station's transmitter, but the odds
are small. You should be testing for interaction with
transmitters and noise sources in the capsules though.

> Here's another idea. Run an entire practice "flight" in a freezer. It
> provides cold and RF shielding!

> Another thought occurred to me. I had a pipe freeze up here at the house
> once. The very well insulated pipe froze because it was insulated from any
> source of heat! Perhaps our separate foam compartments don't allow our
> loads to heat our sources (batteries).

It should be easy enough to test various arrangements of
flight components in an attempt to keep the batteries warm.
But then how much heat does the flight electronics put out?

> Maybe we should require that all battery systems be frozen and still power
> their loads for 3X the expected flight duration.

Which is still pretty short when you consider the elapsed
time between launch and a problem recovery. I think one of
the Twin Falls launches it was nearly 36 hours.

> Maybe we go to beacons once every 10 minutes after four hours so the
> batteries last long enough for us to find the capsules. It would be great
> if the TNC / radio batteries lasted as long as the GPS batteries, which is
> about 18 hours (?) if memory serves.

Even 30 minutes between transmissions might not be bad after
a few more hours. That might give you time to get to high
ground where you might have a better chance of receiving.
Consider sending for one full minute during minute 0 and 30
of each hour. Even if the GPS data is bad, you would have a
chance with RDF.

> Just suggestions.

Good ones, IMHO.

So far the best start for a balloon tracker I've seen is
Zack's:

http://www.rckara.org/tech_exchange/projects/aprs_board/construction.asp

I wish I had more time to play with this... I'm very
interested in the possibility of sending commands to the
balloon in APRS messages.

Rick

2390. Re: FRR

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-02 07:09:33 UTC
From: kd7pit
Topic: 2345 Message: 2390

I too like Tony's idea. We can tether the capsules to a smaller balloon and let it fly all day and night. On ebay, you can find 100 and 300 gram Kaysam balloons CHEAP! If you really want to test for temp and alt. we can always take a trip to the top of Borah Peak. YA RIGHT!

Justin

--- In tvnsp@y..., verhap@o... wrote:
> On the FRR I want to add the following items. We'll need to put
> this into a checklist and document the values.
>
> First, we need to connect the batteries, power up the capsule, and
> measure the current.
>
> Second, we need to record the battery voltages and the telemetry
> values associated with them.
>
> I started a new chapter in my book last night about flight
qualifying
> and preflight testing. Writing the outline added another three
pages
> to the book.
>
> Paul

2391. Re: [tvnsp] One or two Etrex?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-02 07:22:55 UTC
From: Jeff Melanson
Topic: 2362 Message: 2391

The etrex would not be put outside but if it was in a small box on top of the parachute it could not have been well insulated as it needs to be.

Jeff
KD7INN
----- Original Message -----
From: Zack Clobes
To: tvnsp@yahoogroups.com
Sent: Monday, April 01, 2002 4:44 PM
Subject: Re: [tvnsp] One or two Etrex?

Why would you put the GPS outside anyway? While testing our setup, we've found that a GPS looking through several inches of Styrofoam only causes about a 2db loss. There's plenty of signal for posit lock once you get above the trees/buildings.
----- Original Message -----
From: Jeff Melanson
To: tvnsp@yahoogroups.com
Sent: Monday, April 01, 2002 2:39 PM
Subject: [tvnsp] One or two Etrex?

Paul,
Did both trackers share the same Etrex or did each tracker have it's own GPS? Was the Etrex for the Tiny Track II exposed to the cold? I believe someone mentioned that this tracker was on top of the parachute. How well insulated was it? If the alkaline batteries became cold the Etrex would have shutdown and it won't restart. We experienced this on a flight last year when my capsule flew for the first time. I tested this problem by using my freezer. I changed to NiMH batteries and also added external battery power. For the external batteries I built an insulated battery box and still used 2 AA alkalines.

Jeff
KD7INN

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2392. Re: One or two Etrex?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-02 07:37:41 UTC
From: kd7pit
Topic: 2362 Message: 2392

I looked through the manual for my eTrex and under the specs, the temperature range is 5-158F (-15-70C)while operating. It goes on to say that "Alkaline batteries lose a significant amount of their capacity as temp decreases. Use lithium batteries when operating in below freezing conditions" Would it be below 5 degrees at or after the last packet received? Were lithium batts. used? Hope this helps any.

Justin

--- In tvnsp@y..., "Jeff Melanson" <kd7inn@e...> wrote:
> The etrex would not be put outside but if it was in a small box on top of the parachute it could not have been well insulated as it needs to be.
>
> Jeff
> KD7INN
> ----- Original Message -----
> From: Zack Clobes
> To: tvnsp@y...
> Sent: Monday, April 01, 2002 4:44 PM
> Subject: Re: [tvnsp] One or two Etrex?
>
>
> Why would you put the GPS outside anyway? While testing our setup, we've found that a GPS looking through several inches of Styrofoam only causes about a 2db loss. There's plenty of signal for posit lock once you get above the trees/buildings.
> ----- Original Message -----
> From: Jeff Melanson
> To: tvnsp@y...
> Sent: Monday, April 01, 2002 2:39 PM
> Subject: [tvnsp] One or two Etrex?
>
>
> Paul,
> Did both trackers share the same Etrex or did each tracker have it's own GPS? Was the Etrex for the Tiny Track II exposed to the cold? I believe someone mentioned that this tracker was on top of the parachute. How well insulated was it? If the alkaline batteries became cold the Etrex would have shutdown and it won't restart. We experienced this on a flight last year when my capsule flew for the first time. I tested this problem by using my freezer. I changed to NiMH batteries and also added external battery power. For the external batteries I built an insulated battery box and still used 2

AA alkalines.
>
> Jeff
> KD7INN
>
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2393. Re: [tvnsp] Re: One or two Etrex?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-02 08:55:17 UTC
From: Jeff Melanson
Topic: 2362 Message: 2393

Justin,

Last year I placed my etrex in my freezer with two fresh alkaline batteries (all in a ziplock bag) and the GPS shutdown in one hour. My freezer temperature is 0 degrees. The battery indicator showed that the batteries were dead. I then placed the etrex in room temperature and one hour later the battery indicator showed a 90 % capacity. I effectively showed that alkaline batteries will fail in a near space capsule. They cannot deliver enough current when they are cold. This test demonstrated what happened when I flew my eqiupment for the first time in Paul's capsule in Twin Falls last year. When Stephanie and I found the capsule (after much adventure) we found the etrex shutdown with plenty of battery power left. When I built my own capsule I made it very tight (in other words no air gaps). I also placed NiMH batteries in the etrex. Nickel Metal Hydride batteries are not affected by cold to the same degree as alkalines. In addition I added external power to the etrex. These were 2 AA alkalines. These external batteries were placed in an insulated box inside the space capsule. The etrex was also in an insulated box near the top of the capsule. The etrex will use external power first when it is available. If that voltage becomes to low the etrex will switch to internal power. After my next flight I found that the voltage of both the NiMH batteries and the alkalines was lower. The etrex had used power from both sources. Hmmm... I'm not ready to draw any conclusions from this without further testing. Perhaps someone else would like to do some similar tests.
Consider this. I hooked up a variable power supply to the etrex at 3 volts (in place of the batteries). I then slowly lowered the voltage until the etrex shut down. It shut down when the voltage dropped to 2.2 volts. NiMH batteries put out 1.2 volts per cell. Two of these batteries give you 2.4 volts. That's only .2 volts over the shutdown voltage. Thats why I used the alkalines for the external power (to get 3 volts). Perhaps I should use NiMH 'D' cells instead.
The down side to the etrex is that once it shuts down your done. It won't restart. I have been considering one of those GPS units that have no display or controls. You put power on it and they start up. The advantage would be that if your batteries become to cold and your GPS shuts down then when your batteries warm up the GPS would restart. Something to think about.

----- Original Message -----
From: "kd7pit" <J_Formolo@...>
To: <tvnsp@yahoogroups.com>
Sent: Tuesday, April 02, 2002 12:37 AM
Subject: [tvnsp] Re: One or two Etrex?

> I looked through the manual for my eTrex and under the specs, the
> temperature range is 5-158F (-15-70C)while operating. It goes on to
> say that "Alkaline batteries lose a significant amount of their

> capacity as temp decreases. Use lithium batteries when operating in
> below freezing conditions" Would it be below 5 degrees at or after
> the last packet received? Were lithium batts. used? Hope this helps
> any.
>
> Justin
>
>
> --- In tvnsp@y..., "Jeff Melanson" <kd7inn@e...> wrote:
> > The etrex would not be put outside but if it was in a small box on
> top of the parachute it could not have been well insulated as it
> needs to be.
> >
> > Jeff
> > KD7INN
> > ----- Original Message -----
> > From: Zack Clobes
> > To: tvnsp@y...
> > Sent: Monday, April 01, 2002 4:44 PM
> > Subject: Re: [tvnsp] One or two Etrex?
> >
> >
> > Why would you put the GPS outside anyway? While testing our
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> Styrofoam only causes about a 2db loss. There's plenty of signal for
> posit lock once you get above the trees/buildings.
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> > From: Jeff Melanson
> > To: tvnsp@y...
> > Sent: Monday, April 01, 2002 2:39 PM
> > Subject: [tvnsp] One or two Etrex?
> >
> >
> > Paul,
> > Did both trackers share the same Etrex or did each tracker have
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> cold? I believe someone mentioned that this tracker was on top of the
> parachute. How well insulated was it? If the alkaline batteries
> became cold the Etrex would have shutdown and it won't restart. We
> experienced this on a flight last year when my capsule flew for the
> first time. I tested this problem by using my freezer. I changed to
> NiMH batteries and also added external battery power. For the
> external batteries I built an insulated battery box and still used 2
> AA alkalines.
> >
> > Jeff
> > KD7INN
> >
> >
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2394. Re: One or two Etrex?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-02 09:37:26 UTC
From: kd7pit
Topic: 2362 Message: 2394

Jeff

Thanks for the insight. That's strange how that works out. You think a solar cell would help out for the hour or two that the temp. hinders battery voltage?

Justin

--- In tvnsp@y..., "Jeff Melanson" <kd7inn@e...> wrote:
> Justin,
>
> Last year I placed my etrex in my freezer with two fresh alkaline batteries
> (all in a ziplock bag) and the GPS shutdown in one hour. My freezer
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> were dead. I then placed the etrex in room temperature and one hour later
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> the etrex shutdown with plenty of battery power left. When I built my own
> capsule I made it very tight (in other words no air gaps). I also placed
> NiMH batteries in the etrex. Nickel Metal Hydride batteries are not affected
> by cold to the same degree as alkalines. In addition I added external power
> to the etrex. These were 2 AA alkalines. These external batteries were
> placed in an insulated box inside the space capsule. The etrex was also in
> an insulated box near the top of the capsule. The etrex will use external
> power first when it is available. If that voltage becomes to low the etrex
> will switch to internal power. After my next flight I found that the voltage

> of both the NiMH batteries and the alkalines was lower. The etrex
had used
> power from both sources. Hmmm... I'm not ready to draw any
conclusions from
> this without further testing. Perhaps someone else would like to do
some
> similar tests.
> Consider this. I hooked up a variable power supply to the etrex at
3 volts
> (in place of the batteries). I then slowly lowered the voltage
until the
> etrex shut down. It shut down when the voltage dropped to 2.2
volts. NiMH
> batteries put out 1.2 volts per cell. Two of these batteries give
you 2.4
> volts. That's only .2 volts over the shutdown voltage. Thats why I
used the
> alkalines for the external power (to get 3 volts). Perhaps I should
use NiMH
> 'D' cells instead.
> The down side to the etrex is that once it shuts down your done. It
won't
> restart. I have been considering one of those GPS units that have
no display
> or controls. You put power on it and they start up. The advantage
would be
> that if your batteries become to cold and your GPS shuts down then
when your
> batteries warm up the GPS would restart. Something to think about.
>
> ----- Original Message -----
> From: "kd7pit" <J_Formolo@m...>
> To: <tvnsp@y...>
> Sent: Tuesday, April 02, 2002 12:37 AM
> Subject: [tvnsp] Re: One or two Etrex?
>
>
> > I looked through the manual for my eTrex and under the specs, the
> > temperature range is 5-158F (-15-70C)while operating. It goes on
to
> > say that "Alkaline batteries lose a significant amount of their
> > capacity as temp decreases. Use lithium batteries when operating
in
> > below freezing conditions" Would it be below 5 degrees at or
after
> > the last packet received? Were lithium batts. used? Hope this
helps
> > any.
> >
> > Justin

> >
> >
> > --- In tvnsp@y..., "Jeff Melanson" <kd7inn@e...> wrote:
> > > The etrex would not be put outside but if it was in a small box
on
> > top of the parachute it could not have been well insulated as it
> > needs to be.
> > >
> > > Jeff
> > > KD7INN
> > > ----- Original Message -----
> > > From: Zack Clobes
> > > To: tvnsp@y...
> > > Sent: Monday, April 01, 2002 4:44 PM
> > > Subject: Re: [tvnsp] One or two Etrex?
> > >
> > >
> > > Why would you put the GPS outside anyway? While testing our
> > setup, we've found that a GPS looking through several inches of
> > Styrofoam only causes about a 2db loss. There's plenty of signal
for
> > posit lock once you get above the trees/buildings.
> > > ----- Original Message -----
> > > From: Jeff Melanson
> > > To: tvnsp@y...
> > > Sent: Monday, April 01, 2002 2:39 PM
> > > Subject: [tvnsp] One or two Etrex?
> > >
> > >
> > > Paul,
> > > Did both trackers share the same Etrex or did each tracker
have
> > it's own GPS? Was the Etrex for the Tiny Track II exposed to the
> > cold? I believe someone mentioned that this tracker was on top of
the
> > parachute. How well insulated was it? If the alkaline batteries
> > became cold the Etrex would have shutdown and it won't restart. We
> > experienced this on a flight last year when my capsule flew for
the
> > first time. I tested this problem by using my freezer. I changed
to
> > NiMH batteries and also added external battery power. For the
> > external batteries I built an insulated battery box and still
used 2
> > AA alkalines.
> > >
> > > Jeff
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> > >

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2395. Re: [tvnsp] Re: One or two Etrex?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-02 08:37:19 UTC
From: Rick Widmer
Topic: 2362 Message: 2395

kd7pit wrote:

>
> Thanks for the insight. That's strange how that works out. You
> think a solar cell would help out for the hour or two that the temp.
> hinders battery voltage?

If it can put out enough current.

Rick

2396. Re: [tvnsp] FRR

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-02 14:23:11 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2345 Message: 2396

> How do you plan on measuring current?

In my design, I can disconnect a battery without any trouble. I'll solder up a connector cable that will allow me to reconnect the battery with a DMM in between. The test will be done at the FRR. After the FRR, the capsule is not reconfigured, so if it passes the night before, it should be good the morning of launch.

Paul

2397. RE: [tvnsp] TV02A pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-02 14:25:24 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2281 Message: 2397

> And do you think that condensation could have caused an extra load that
> drained the battery?

No. The bottom of the board is coated with a layer of neoprene
rubber. That would leave condensation on the top surface, but I
believe there's enough gap between traces to prevent condensation
from bridging the gaps. Also, remember, condensation is pure
water, which has a low conductivity.

Paul

2398. Re: [tvnsp] Battery Failure

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-02 14:26:27 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2343 Message: 2398

> Hmmm, ... Do you think an ice crystal would melt if it came into contact
> with a warm circuit board?

Yes, but how would you get ice crystals inside the capsule and on
the board? Remembere there is styro peanuts around the board.

Paul

2399. Re: [tvnsp] One or two Etrex?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-02 14:27:34 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2362 Message: 2399

> The recovery beacon GPS must have kept going or restarted itself
> somehow. We got posits from it for the first 18 minutes, then nothing
> until 66 minutes into the flight, and then only a single report. Nothing
> was heard after that. Seems like if the GPS turned off we would not have
> seen the report at the 66 minute mark from 77,000 feet.

I wonder if that was due to the shock of balloon burst.

Paul

2400. Garmin GPS-35

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-02 14:32:20 UTC
From: Mark Conner
Topic: 2400 Message: 2400

Hi,

I might suggest the use of a Garmin GPS-35 for you primary beacon. It weights about 5 oz. and one version does fine off +5V. I feed mine off the same regulator that powers the controller board. Size and shape is about that of a computer mouse.

As soon as power is applied, it spits out NMEA sentences. You can control which ones are output, and there's a 3D velocity sentence so you can determine vertical velocity. Time to first fix is very good and if power is briefly interrupted it will come back up normally (i.e., it won't shut down and stay off). The built-in antenna has very good performance - I get a 6-satellite lock in my house and I've had it provide at least 2D fixes after landing with the antenna up-side down.

I got my last one from CDW for about $160. List is closer to $200.

73 de Mark N9XTN

2401. Re: [tvnsp] Schematic

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-02 14:31:13 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2379 Message: 2401

I would love to see a schematic of how the recovery beacon equipment was wired and powered and what, if any, insulation was provided for the Etrex. I have a theory but I will keep it to myself until I have this information.

I don't have a schematic, but here goes. The TT was connected to the HT with 1/8" and 3/32" jacks. The Etrex was connected by a DB-9. The entire package was enclosed in a sytrofoam box with pockets. The pockets were cut just large enough for the etrex, ht, and TT.

The TT was soldered to a pref board, along with DTMF decoder.

Paul

2402. Re: [tvnsp] Re: One or two Etrex?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-02 14:35:00 UTC
From: Doug Rich
Topic: 2362 Message: 2402

I have a 1.2A @ 12VDC balloon package that could be attached to any flight. The capacity will increase at altitude. The design is such that (most likely) it will land with the cells facing up. This will give electrical capacity (when the sun shines) for a very long time.
Doug W7DVR

At 03:37 AM 4/2/02 -0500, you wrote:

>kd7pit wrote:
>
> >
> > Thanks for the insight. That's strange how that works out. You
> > think a solar cell would help out for the hour or two that the temp.
> > hinders battery voltage?
>
>If it can put out enough current.
>
>
>
>Rick

2403. Re: [tvnsp] KD4STH-11 log with extra notes

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-02 14:35:03 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2354 Message: 2403

Paul, how is the software written to allow it to continue telemetry without posits?

The MIM is programmed to send telemetry every two minutes. All other data is sent by forced posits. I send text to the MIM and pull the A3 line low. What ever data was sent to the MIM is then transmitted.

Paul

2404. Re: [tvnsp] Schematic

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-02 14:46:00 UTC
From: Stephanie Steele
Topic: 2379 Message: 2404

Thanks Paul. What was the power source for each component? Was the Etrex dual powered or only internal. What battery type was used for each? Thanks!

Stephanie

verhap@... wrote:

I would love to see a schematic of how the recovery beacon
equipment was wired and powered and what, if any, insulation
was provided for the Etrex. I have a theory but I will keep it to
myself until I have this information.

I don't have a schematic, but here goes. The TT was connected
to the HT with 1/8" and 3/32" jacks. The Etrex was connected by
a DB-9. The entire package was enclosed in a sytrofoam box
with pockets. The pockets were cut just large enough for the
etrex, ht, and TT.

The TT was soldered to a pref board, along with DTMF decoder.

Paul

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(http://docs.yahoo.com/info/terms/) .

--
Stephanie

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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2405. Re: [tvnsp] FRR

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-02 14:45:21 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2345 Message: 2405

> I'd like to propose that we make it SOP to run three successful "tethered"
> full-duration "flights" (no balloon) of a "frozen" design / configuration
> prior to any actual flight.

The time required would prevent me from doing three of them. A
new flight computer needs to be tested like that. It also needs to
have its current draw characterized. Once a capsule is configured
for flight we need to run additional tests, like current draw. I'd add
a shake test if the capsule is packed any differently that before.

Paul

2406. Re: [tvnsp] One or two Etrex?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-02 14:48:23 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2362 Message: 2406

> The etrex would not be put outside but if it was in a small box on top of the parachute it could not have been well insulated as it needs to be.

The second Etrex was mounted below the parachute, in place of
the parachute ring.

Paul

2407. Re: [tvnsp] Schematic

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-02 15:05:24 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2379 Message: 2407

Thanks Paul. What was the power source for each component?
Was the Etrex dual powered or only internal. What battery type
was used for each? Thanks!

The TT had it's own 9V alkaline. The Etrex was only internally
powered, and those where alkalines. The HT also used alkalines.

Paul

2408. organized serach effort

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-02 17:48:33 UTC
From: Hank Riley
Topic: 2408 Message: 2408

Paul,

Now that several days have passed since the loss
of the payload, do you anticipate yourself directing,
planning, or assisting some kind of organized or
semi-organized search effort?

Hank

_____
Do You Yahoo!?
Yahoo! Tax Center - online filing with TurboTax
http://http://taxes.yahoo.com/

2409. Re: [tvnsp] Re: One or two Etrex?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-02 17:59:50 UTC
From: Zack Clobes
Topic: 2362 Message: 2409

We've used the Energizer AA lithium cells on all three of our flights with excellent luck. You can find them at Wal-Mart for about $2.50 per cell. They usually hide them with the cigarettes because kids are making methanphetamine out of them.
----- Original Message -----
From: Jeff Melanson
To: tvnsp@yahoogroups.com
Sent: Tuesday, April 02, 2002 2:55 AM
Subject: Re: [tvnsp] Re: One or two Etrex?

Justin,

Last year I placed my etrex in my freezer with two fresh alkaline batteries (all in a ziplock bag) and the GPS shutdown in one hour. My freezer temperature is 0 degrees. The battery indicator showed that the batteries were dead. I then placed the etrex in room temperature and one hour later the battery indicator showed a 90 % capacity. I effectively showed that alkaline batteries will fail in a near space capsule. They cannot deliver enough current when they are cold. This test demonstrated what happened when I flew my eqiupment for the first time in Paul's capsule in Twin Falls last year. When Stephanie and I found the capsule (after much adventure) we found the etrex shutdown with plenty of battery power left. When I built my own capsule I made it very tight (in other words no air gaps). I also placed NiMH batteries in the etrex. Nickel Metal Hydride batteries are not affected by cold to the same degree as alkalines. In addition I added external power to the etrex. These were 2 AA alkalines. These external batteries were placed in an insulated box inside the space capsule. The etrex was also in an insulated box near the top of the capsule. The etrex will use external power first when it is available. If that voltage becomes to low the etrex will switch to internal power. After my next flight I found that the voltage of both the NiMH batteries and the alkalines was lower. The etrex had used power from both sources. Hmmm... I'm not ready to draw any conclusions from this without further testing. Perhaps someone else would like to do some similar tests.
Consider this. I hooked up a variable power supply to the etrex at 3 volts (in place of the batteries). I then slowly lowered the voltage until the etrex shut down. It shut down when the voltage dropped to 2.2 volts. NiMH batteries put out 1.2 volts per cell. Two of these batteries give you 2.4 volts. That's only .2 volts over the shutdown voltage. Thats why I used the alkalines for the external power (to get 3 volts). Perhaps I should use NiMH 'D' cells instead.
The down side to the etrex is that once it shuts down your done. It won't restart. I have been considering one of those GPS units that have no display or controls. You put power on it and they start up. The advantage would be that if your batteries become to cold and your GPS shuts down then when your batteries warm up the GPS would restart. Something to think about.

----- Original Message -----
From: "kd7pit" <J_Formolo@...>
To: <tvnsp@yahoogroups.com>
Sent: Tuesday, April 02, 2002 12:37 AM
Subject: [tvnsp] Re: One or two Etrex?

> I looked through the manual for my eTrex and under the specs, the
> temperature range is 5-158F (-15-70C)while operating. It goes on to
> say that "Alkaline batteries lose a significant amount of their
> capacity as temp decreases. Use lithium batteries when operating in
> below freezing conditions" Would it be below 5 degrees at or after
> the last packet received? Were lithium batts. used? Hope this helps
> any.
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> Justin
>
>
> --- In tvnsp@y..., "Jeff Melanson" <kd7inn@e...> wrote:
> > The etrex would not be put outside but if it was in a small box on
> top of the parachute it could not have been well insulated as it
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> > > Jeff
> > > KD7INN
> > > ----- Original Message -----
> > > From: Zack Clobes
> > > To: tvnsp@y...
> > > Sent: Monday, April 01, 2002 4:44 PM
> > > Subject: Re: [tvnsp] One or two Etrex?
> > > >
> > > >
> > > > Why would you put the GPS outside anyway? While testing our
> setup, we've found that a GPS looking through several inches of
> Styrofoam only causes about a 2db loss. There's plenty of signal for
> posit lock once you get above the trees/buildings.
> > > > ----- Original Message -----
> > > > From: Jeff Melanson
> > > > To: tvnsp@y...
> > > > Sent: Monday, April 01, 2002 2:39 PM
> > > > Subject: [tvnsp] One or two Etrex?
> > > > >
> > > > >
> > > > > Paul,
> > > > > Did both trackers share the same Etrex or did each tracker have
> it's own GPS? Was the Etrex for the Tiny Track II exposed to the
> cold? I believe someone mentioned that this tracker was on top of the
> parachute. How well insulated was it? If the alkaline batteries
> became cold the Etrex would have shutdown and it won't restart. We
> experienced this on a flight last year when my capsule flew for the
> first time. I tested this problem by using my freezer. I changed to
> NiMH batteries and also added external battery power. For the

> external batteries I built an insulated battery box and still used 2
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2410. Re: [tvnsp] Garmin GPS-35

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-02 18:02:15 UTC
From: Zack Clobes
Topic: 2400 Message: 2410

I think Garmin will actually sell them to you a little cheaper than $160 direct. $140?
----- Original Message -----
From: Mark Conner
To: TVNSP List
Sent: Tuesday, April 02, 2002 8:32 AM
Subject: [tvnsp] Garmin GPS-35

Hi,

I might suggest the use of a Garmin GPS-35 for you primary beacon. It weights about 5 oz. and one version does fine off +5V. I feed mine off the same regulator that powers the controller board. Size and shape is about that of a computer mouse.

As soon as power is applied, it spits out NMEA sentences. You can control which ones are output, and there's a 3D velocity sentence so you can determine vertical velocity. Time to first fix is very good and if power is briefly interrupted it will come back up normally (i.e., it won't shut down and stay off). The built-in antenna has very good performance - I get a 6-satellite lock in my house and I've had it provide at least 2D fixes after landing with the antenna up-side down.

I got my last one from CDW for about $160. List is closer to $200.

73 de Mark N9XTN

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2411. Re: [tvnsp] Re: One or two Etrex?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-02 18:04:37 UTC
From: Jeff Melanson
Topic: 2362 Message: 2411

Are the lithium cells recharchable?

Jeff
----- Original Message -----
From: Zack Clobes
To: tvnsp@yahoogroups.com
Sent: Tuesday, April 02, 2002 10:59 AM
Subject: Re: [tvnsp] Re: One or two Etrex?

We've used the Energizer AA lithium cells on all three of our flights with excellent luck. You can find them at Wal-Mart for about $2.50 per cell. They usually hide them with the cigarettes because kids are making methanphetamine out of them.
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From: Jeff Melanson
To: tvnsp@yahoogroups.com
Sent: Tuesday, April 02, 2002 2:55 AM
Subject: Re: [tvnsp] Re: One or two Etrex?

Justin,

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volts. That's only .2 volts over the shutdown voltage. Thats why I used the alkalines for the external power (to get 3 volts). Perhaps I should use NiMH 'D' cells instead.
The down side to the etrex is that once it shuts down your done. It won't restart. I have been considering one of those GPS units that have no display or controls. You put power on it and they start up. The advantage would be that if your batteries become to cold and your GPS shuts down then when your batteries warm up the GPS would restart. Something to think about.

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To: <tvnsp@yahoogroups.com>
Sent: Tuesday, April 02, 2002 12:37 AM
Subject: [tvnsp] Re: One or two Etrex?

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> > KD7INN
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> > To: tvnsp@y...
> > Sent: Monday, April 01, 2002 4:44 PM
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> > > Subject: [tvnsp] One or two Etrex?
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> >
> >
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2412. Re: [tvnsp] Re: One or two Etrex?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-02 18:15:32 UTC
From: Zack Clobes
Topic: 2362 Message: 2412

No - they are one time use cells. According to the documentation, the capacity is something like 2600mAH, but I think that's only for extremely low current draws. In practice, you can probably assume at least 2000mAH.
----- Original Message -----
From: Jeff Melanson
To: tvnsp@yahoogroups.com
Sent: Tuesday, April 02, 2002 12:04 PM
Subject: Re: [tvnsp] Re: One or two Etrex?

Are the lithium cells recharchable?

Jeff
----- Original Message -----
From: Zack Clobes
To: tvnsp@yahoogroups.com
Sent: Tuesday, April 02, 2002 10:59 AM
Subject: Re: [tvnsp] Re: One or two Etrex?

We've used the Energizer AA lithium cells on all three of our flights with excellent luck. You can find them at Wal-Mart for about $2.50 per cell. They usually hide them with the cigarettes because kids are making methanphetamine out of them.
----- Original Message -----
From: Jeff Melanson
To: tvnsp@yahoogroups.com
Sent: Tuesday, April 02, 2002 2:55 AM
Subject: Re: [tvnsp] Re: One or two Etrex?

Justin,

Last year I placed my etrex in my freezer with two fresh alkaline batteries (all in a ziplock bag) and the GPS shutdown in one hour. My freezer temperature is 0 degrees. The battery indicator showed that the batteries were dead. I then placed the etrex in room temperature and one hour later the battery indicator showed a 90 % capacity. I effectively showed that alkaline batteries will fail in a near space capsule. They cannot deliver enough current when they are cold. This test demonstrated what happened when I flew my eqiupment for the first time in Paul's capsule in Twin Falls last year. When Stephanie and I found the capsule (after much adventure) we found the etrex shutdown with plenty of battery power left. When I built my own capsule I made it very tight (in other words no air gaps). I also placed NiMH batteries in the etrex. Nickel Metal Hydride batteries are not affected by cold to the same degree as alkalines. In addition I added external power to the etrex. These were 2 AA alkalines. These external batteries were placed in an insulated box inside the space capsule. The etrex was also in an insulated box near the top of the capsule. The etrex will use external power first when it is available. If that voltage becomes to low the etrex

will switch to internal power. After my next flight I found that the voltage of both the NiMH batteries and the alkalines was lower. The etrex had used power from both sources. Hmmm... I'm not ready to draw any conclusions from this without further testing. Perhaps someone else would like to do some similar tests.
Consider this. I hooked up a variable power supply to the etrex at 3 volts (in place of the batteries). I then slowly lowered the voltage until the etrex shut down. It shut down when the voltage dropped to 2.2 volts. NiMH batteries put out 1.2 volts per cell. Two of these batteries give you 2.4 volts. That's only .2 volts over the shutdown voltage. Thats why I used the alkalines for the external power (to get 3 volts). Perhaps I should use NiMH 'D' cells instead.
The down side to the etrex is that once it shuts down your done. It won't restart. I have been considering one of those GPS units that have no display or controls. You put power on it and they start up. The advantage would be that if your batteries become to cold and your GPS shuts down then when your batteries warm up the GPS would restart. Something to think about.

----- Original Message -----
From: "kd7pit" <J_Formolo@...>
To: <tvnsp@yahoogroups.com>
Sent: Tuesday, April 02, 2002 12:37 AM
Subject: [tvnsp] Re: One or two Etrex?

> I looked through the manual for my eTrex and under the specs, the
> temperature range is 5-158F (-15-70C)while operating. It goes on to
> say that "Alkaline batteries lose a significant amount of their
> capacity as temp decreases. Use lithium batteries when operating in
> below freezing conditions" Would it be below 5 degrees at or after
> the last packet received? Were lithium batts. used? Hope this helps
> any.
>
> Justin
>
>
> --- In tvnsp@y..., "Jeff Melanson" <kd7inn@e...> wrote:
> > The etrex would not be put outside but if it was in a small box on
> top of the parachute it could not have been well insulated as it
> needs to be.
> >
> > Jeff
> > KD7INN
> > ----- Original Message -----
> > From: Zack Clobes
> > To: tvnsp@y...
> > Sent: Monday, April 01, 2002 4:44 PM
> > Subject: Re: [tvnsp] One or two Etrex?
> >
> >
> > Why would you put the GPS outside anyway? While testing our
> setup, we've found that a GPS looking through several inches of

> Styrofoam only causes about a 2db loss. There's plenty of signal for
> posit lock once you get above the trees/buildings.
> > ----- Original Message -----
> > From: Jeff Melanson
> > To: tvnsp@y...
> > Sent: Monday, April 01, 2002 2:39 PM
> > Subject: [tvnsp] One or two Etrex?
> >
> >
> > Paul,
> > Did both trackers share the same Etrex or did each tracker have
> it's own GPS? Was the Etrex for the Tiny Track II exposed to the
> cold? I believe someone mentioned that this tracker was on top of the
> parachute. How well insulated was it? If the alkaline batteries
> became cold the Etrex would have shutdown and it won't restart. We
> experienced this on a flight last year when my capsule flew for the
> first time. I tested this problem by using my freezer. I changed to
> NiMH batteries and also added external battery power. For the
> external batteries I built an insulated battery box and still used 2
> AA alkalines.
> >
> > Jeff
> > KD7INN
> >
> >
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2413. Energizer AA 1.5 volt lithiums

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-02 18:19:59 UTC
From: n1ltv
Topic: 2413 Message: 2413

Jeff,

What is unusual is that this lithium chemistry (Li/FeS2) creates 1.5 volts per cell. The usual lithium chemistries, both primary and secondary, make 3 volts per cell.

Only Eveready makes the 1.5 volt AA cells.

They're at KMART, too. Have been for at least a year.

Hank

2414. Re: [tvnsp] Energizer AA 1.5 volt lithiums

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-02 18:34:19 UTC
From: Jeff Melanson
Topic: 2413 Message: 2414

Zack,

Do you use them for more than one flight? How do you know how much capacity
is left in them?

Jeff
KD7INN
----- Original Message -----
From: "n1ltv" <n1ltv@...>
To: <tvnsp@yahoogroups.com>
Sent: Tuesday, April 02, 2002 11:19 AM
Subject: [tvnsp] Energizer AA 1.5 volt lithiums

> Jeff,
>
> What is unusual is that this lithium chemistry
> (Li/FeS2) creates 1.5 volts per cell. The usual
> lithium chemistries, both primary and secondary,
> make 3 volts per cell.
>
> Only Eveready makes the 1.5 volt AA cells.
>
> They're at KMART, too. Have been for at least
> a year.
>
> Hank
>
>
>
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2415. Re: [tvnsp] Garmin GPS-35

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-02 19:00:35 UTC
From: randy farley
Topic: 2400 Message: 2415

I'm replying from work,so excuse the double post. Not sure
how to stop it. I figure members can use the delete key
finger. Its not that heavy anyway ;)

Mark
Thanks for your input here.
I think we have discussed using this GPS in at TVNSP.
I know i mentioned it,but price was the big issue.
You know how hams are, if it is cheap use it instead.
The etrex is tempting because of the $100 dollar price
range. The non-reinitialzing display units made me real
nervous. You would think with two on board we could
fool MR. Murphy.

I know now this is the one (or one of its brethern models
for my capsule).

While i have time on the inet;
I just want to say this has been a great discussion of
minds at the expense of a lost flight. This reminds me why
now we do we do these flights . For fun,learning and great
adventure. I'm like a sponge here absorbing as much as i
can. If we were all so smart individually,there would be
no need to experiment would there?

On Tue, 2 Apr 2002 08:32:20 -0600
"Mark Conner" <n9xtn@...> wrote:
> Hi,
>
> I might suggest the use of a Garmin GPS-35 for you
> primary
> beacon. It weights about 5 oz. and one version does fine
> off
> +5V. I feed mine off the same regulator that powers the
> controller board. Size and shape is about that of a
> computer
> mouse.
>
> As soon as power is applied, it spits out NMEA sentences.
> You
> can control which ones are output, and there's a 3D
> velocity
> sentence so you can determine vertical velocity. Time to
> first
> fix is very good and if power is briefly interrupted it
> will come

> back up normally (i.e., it won't shut down and stay off).
> The
> built-in antenna has very good performance - I get a
> 6-satellite
> lock in my house and I've had it provide at least 2D
> fixes after
> landing with the antenna up-side down.
>
> I got my last one from CDW for about $160. List is
> closer to
> $200.
>
> 73 de Mark N9XTN
>
>
>
>
>
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regards,

Randy

2416. Re: [tvnsp] organized serach effort

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-02 19:02:18 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2408 Message: 2416

> Now that several days have passed since the loss
> of the payload, do you anticipate yourself directing,
> planning, or assisting some kind of organized or
> semi-organized search effort?

We'll fly over. I think there's too much ground to cover on foot.

Paul

2417. Re: Garmin GPS-35

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-02 19:43:28 UTC
From: n1ltv
Topic: 2400 Message: 2417

>I think we have discussed using this GPS in at TVNSP.
>I know i mentioned it,but price was the big issue.
>You know how hams are, if it is cheap use it instead.
>The etrex is tempting because of the $100 dollar price
>range. The non-reinitialzing display units made me real
>nervous.

OEM boards are available for LESS than $100. Mark bought a
Motorola one. His favorite is the Garmin

There has been a guy on ebay selling unused but old Trimbles
for $35. Dozens of them. He just stopped because he couldn't
even get $35 for them after selling so many.

I asked if he'd consider a $20 or $25 starting price, since he
wasn't making any sales. (He declined, and then just quit a few
weeks ago. He may start up again.)

A guy on a list just sold a nice OEM board for $10. That went
fast so I missed it.

The point is, they're around, you just have to look for them and
then grab them.

My opinion is that handhelp GPS units are unfit for balloon primary
tracking and should not be used, period. TNNSP is the only group
I know of which does use them.

Hank

2418. Re: OEM GPS boards

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-02 19:54:28 UTC
From: n1ltv
Topic: 2400 Message: 2418

Habitat and NSBG of Kansas may use heldhelds

EOSS Colorado uses OEM
ANSR Arizona uses OEM
NSTAR Nebraska uses OEM
Traveler Kansas uses OEM

2419. Re: OEM GPS boards

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-02 20:02:13 UTC
From: n1ltv
Topic: 2400 Message: 2419

EOSS Colorado OEM never a loss in 10 years
ANSR Arizona OEM no losses
NSTAR Nebraska OEM no losses
Traveler Kansas OEM no losses
Mabel Michigan OEM first and only flight recovered

2420. A philosophic observation...

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-02 20:07:34 UTC
From: James R. Johnson
Topic: 2420 Message: 2420

It has been really exciting to follow these threads in the group e-mails.

For those of you wasting tears over the flight, please accept this observation from an observer:

No one *ever* learned anything from an experiment that ran perfectly! The group has shown a wide spectrum of skill and intellect in solving the problems posed by this flight. These were not boo-boos in the usual sense of the word, but at least second order difficulties. It wouldn't have been any fun if everything had gone by the book. I bet the next flight will be better because of this one.

Randy has the right attitude.

Jim

2421. Re: Garmin GPS-35

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-02 20:19:30 UTC
From: Mark Conner
Topic: 2400 Message: 2421

As an aside, I don't think I'd use the Motorola on a primary beacon. Also, by the time you add on the antenna, RS-232 level converter (needed to program it), and other doodads, you're almost up to the ~$150 of the Garmin and have less performance.

The main reasons I got the Motorola Oncore M12, other than to try it out, was weight and power consumption. The Garmin requires about 130 mA at 5V (this from memory - actual figure in the archives somewhere). The Motorola uses about 80mA at 3.3V. The weight delta isn't that much, esp. by the time you put the Motorola in an enclosure. Also, since everything else needs 5V or more, I'm not really taking advantage of the Motorola's ability to use 3.3V.

The Motorola also defaults on power-up to binary data and no sentences enabled. The on-board backup battery will keep previous settings (incl. NMEA instead of binary output), but it's another failure point that would cause mission loss should power be cut and the backup battery doesn't work. The Garmin defaults to NMEA 4800 baud and GPGGA/GPRMC (among others) as output should it encounter a power loss with no backup battery.

The low-power mini GPS antenna performance is a bit weak. The Garmin will get a lock within two minutes in my house. The Motorola/mini antenna combo often will not lock at all inside. I'm not sure if a better antenna will improve its performance or not because I've been too cheap to find out.

One thing I did notice with NSTAR 02-B is that the Motorola/TT2 combo gave out frequent posits (20%?) with zero course and speed. The altitude appeared reasonable, but I need to correlate this with the primary beacon output to see if it was. I suspect this was probably due to a poor GPS lock, which is bad news. I may have to spend that money on a better antenna.

Bottom line is that I'd rather pay the extra $50-70 for the Garmin rather than N copies of the Motorola setup.

73 de Mark N9XTN

----- Original Message -----
From: "n1ltv" <n1ltv@...>
Date: Tuesday, April 2, 2002 1:43 pm
Subject: [tvnsp] Re: Garmin GPS-35

> OEM boards are available for LESS than $100. Mark bought a
> Motorola one. His favorite is the Garmin

2422. Re: A philosophic observation...

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-02 20:24:20 UTC
From: n1ltv
Topic: 2420 Message: 2422

> These were not boo-boos in the usual sense of the word,
> but at least second order difficulties.

If I interpret what you mean by first order and second order difficulties, I disagree completely.

I think there were several unacceptable practices in the construction of this payload. Others on this list have communicated offlist that they share that general view.

This is essentially the second failure in a row of a tracking system on TVNSP. To continue in this same manner would perhaps be exciting, but it would also be folly.

Hank

2423. Re: [tvnsp] organized serach effort

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-02 20:26:59 UTC
From: Mike Garske
Topic: 2408 Message: 2423

Hank,

I went out Monday and drove around the Grand View area for several hours, got up on some high points and scoped out the area with binoculars, and I also distrubuted flyers at the Post Office, the only gas station, and several restuarants and bars around the town......the town isn't that big, probably under 1500 residents, so hopefully somebody will see the reward offer and turn it in.

I also told everyone on our morning net that it was out there, and a pilot that was flying over the area today said he and his passenger would keep an eye out for it.

Mike KC7DPD
----- Original Message -----
From: "Hank Riley" <n1ltv@...>
To: <tvnsp@yahoogroups.com>
Sent: Tuesday, April 02, 2002 10:48 AM
Subject: [tvnsp] organized serach effort

> Paul,
>
> Now that several days have passed since the loss
> of the payload, do you anticipate yourself directing,
> planning, or assisting some kind of organized or
> semi-organized search effort?
>
> Hank
>
> _____
> Do You Yahoo!?
> Yahoo! Tax Center - online filing with TurboTax
> http://http://taxes.yahoo.com/
>
>
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2424. Re: TV02A Ground Photo Analysis

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-02 21:28:21 UTC
From: Daniel Woodall
Topic: 2304 Message: 2424
Attachments: 3 described; binary payloads are missing from this source WARC

Mike,

My photos of the stack were taken earlier and did not show the backup beacon antenna. (Photos attached.) I do have video clips of the launch, but they are at a distance and did not capture much detail.

Dan KD7MVO

--- In tvnsp@y..., "Mike Garske" <kc7dpd@v...> wrote:
> Group,
>
> Just thought I would share a photo that might bolster the theory

sent out about the TinyTrak getting too much RF into it and shutting

down. I took pictures of the stack before launch and noticed something

that we might have caught on the ground. I saw that the backup beacon

antenna was on the same side as the other main antenna. It is also not

supported by any thing to keep it from wrapping itself around the

other antenna and causing havoc. Could this have been a likely cause?
>
> Dan, KD7MVO, do you have any pictures of the stack that might show

this?
>
> Mike KC7DPD

--

2425. Re: April Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-02 21:46:20 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 261 Message: 2425

I like John's suspended capsule idea for DCI. I have an ATV setup that could be used. As far as the Scouts, I don't think I can get something set up by then. I have videos, etc that you could borrow.

I'm getting a new capsule together along with three flight computers that I'm writing about in my book. We'll be ready for a May flight.

Paul

2426. Re: organized search effort

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-02 22:26:46 UTC
From: n1ltv
Topic: 2408 Message: 2426

Mike,

I'd been waiting with great anticipation the details
of your hunt. What a tremendous effort for someone
working alone!

My hat's off to you for making this iniative.

Perhaps the payload has landed in a lightly populated or
even a wilderness area and will remain for a while
untouched by mischievous hands.

Hoping for an early find so that there might be something
left of the etrexes.

Hank

2427. Re: [tvnsp] KD4STH-11 log with extra notes

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-02 23:18:50 UTC
From: Randy Farley
Topic: 2354 Message: 2427

Zack's "Jar" theory makes some sense too.

Tony,i have the exact same problem with my remote.
But mine does it with brand new batteries.
I used to reach into the battery compartment and just
roll the batteries slightly but got tired of that method.
Now i just give the unit a light rap in the palm of my hand.
I just figure i will take it back to "Wally World" if it fails
totally. Must be the cheap alloy springs they use not letting
the electrons line up properly? :)

That brings up another snafu and pet peeve of mine we might
look at. In my old days
of R/C flying,we always used nicads with solder tabs to make
series or parallel power connections. This was true for the
transmitter
and receiver. You simply did not trust spring clips to hold
batteries in compartments when flying or even car racing. Too much
chance for individual contact failure amongst several batteries.
You can imagine what would happen if a battery lost contact when
you are doing wild g-force maneuvers with the toys.

I actually had the battery compartment door on my tranmitter
open up when i dropped it on the ground. The battery pack fell
out but still held together dangling from the molex connector.
I was rather embarrased but the plane kept flying.

Not sure how the new R/C stuff is configured now days. I know the
cheapie R/C gear that started coming out in the 80's went to
battery compartments with spring contacts. I converted mine to
use nicads soldered and shrink wrapped together.
The more up to date R/C people might have more input on this.

My opinion, when you can solder your packs together it is
much more reliable and one less point of failure.
More spendy,but safer. I think we do that where possible.
Shame on us if we use spring loaded battery holders.

Great stuff everyone,just wished i could pop my $.02 in
a more timely manner.

Tony Barrett wrote:
>
> Great idea about the time stamps Zack.
>
> I can't believe we gather all this data by computer and we don't time stamp
> every data point to a fraction of a second. Seems like it wouldn't take

> too much software to solve that problem at the transmitting or receiving end.
>
> I like your point about the burst jar triggering another report. When the
> batteries in my TV remotes get low and quit working I merely twist the
> batteries or take them out and out them right back in and they immediately
> work again for a while. Probably disturbs any surface oxide layers, or
> removing the load momentarily allows the battery to recover a little. Not
> sure of the exact mechanisms, but it really works.
>
> Thanks for the pearls of wisdom.
>
> Tony

2428. GPS Interface Cable w/KPC3+

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-02 23:32:13 UTC
From: Mike Garske
Topic: 2428 Message: 2428

Randy or Stephanie,

Ok Stephanie, you can hit me in the head the next time you see me for buying that HSP cable! I got it today and opened up the box and got mad at myself for not making my own! Anyway, I was also suprised to see that it was a DB-25 cable, I thought you said the GPS goes in on the DB-9 connector? Could you please send me a schematic on how to construct one, or what pins the GPS output needs to go on?

Thanks in advance,

Mike, "The Big Dummy" KC7DPD.....

2429. Re: [tvnsp] Energizer AA 1.5 volt lithiums

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-03 00:03:32 UTC
From: Zack Clobes
Topic: 2413 Message: 2429

WE ONLY USE THEM FOR ONE FLIGHT. However there is usually plenty of extra life in them for things like remotes, clocks, and other non-life-threatening devices. After out last flight, I've been using the left over lithium's for testing and have had a good six hours or so of additional life at room temperature - plenty of time to find a capsule laying on the ground that take a while to get to.
Zack
----- Original Message -----
From: Jeff Melanson
To: tvnsp@yahoogroups.com
Sent: Tuesday, April 02, 2002 12:34 PM
Subject: Re: [tvnsp] Energizer AA 1.5 volt lithiums

Zack,

Do you use them for more than one flight? How do you know how much capacity
is left in them?

Jeff
KD7INN
----- Original Message -----
From: "n1ltv" <n1ltv@...>
To: <tvnsp@yahoogroups.com>
Sent: Tuesday, April 02, 2002 11:19 AM
Subject: [tvnsp] Energizer AA 1.5 volt lithiums

> Jeff,
>
> What is unusual is that this lithium chemistry
> (Li/FeS2) creates 1.5 volts per cell. The usual
> lithium chemistries, both primary and secondary,
> make 3 volts per cell.
>
> Only Eveready makes the 1.5 volt AA cells.
>
> They're at KMART, too. Have been for at least
> a year.
>
> Hank
>
>
>
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2430. Re: [tvnsp] Re: TV02A Ground Photo Analysis

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-03 00:11:08 UTC
From: Zack Clobes
Topic: 2304 Message: 2430

I would like to see some more detailed info about the antenna configuration - are they just hanging by a piece of coax?!?

----- Original Message -----
From: Daniel Woodall
To: tvnsp@yahoogroups.com
Sent: Tuesday, April 02, 2002 3:28 PM
Subject: [tvnsp] Re: TV02A Ground Photo Analysis

Mike,

My photos of the stack were taken earlier and did not show the backup beacon antenna. (Photos attached.) I do have video clips of the launch, but they are at a distance and did not capture much detail.

Dan KD7MVO

--- In tvnsp@y..., "Mike Garske" <kc7dpd@v...> wrote:
> Group,
>
> Just thought I would share a photo that might bolster the theory

sent out about the TinyTrak getting too much RF into it and shutting

down. I took pictures of the stack before launch and noticed something

that we might have caught on the ground. I saw that the backup beacon

antenna was on the same side as the other main antenna. It is also not

supported by any thing to keep it from wrapping itself around the

other antenna and causing havoc. Could this have been a likely cause?
>
> Dan, KD7MVO, do you have any pictures of the stack that might show

this?
>
> Mike KC7DPD

--

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2431. Re: [tvnsp] KD4STH-11 log with extra notes

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-03 00:14:57 UTC
From: Zack Clobes
Topic: 2354 Message: 2431

We have been using a 6 cell AA clip-in-holder for our lithium packs, however I noticed after it's first flight that the plastic sides (the part that the spring pushes against) had bowed back slightly from the constant pressure. We now use electrical tape around the pack in all directions to hold everything tight and apply constant pressure.
Zack Clobes, W0ZC
Project: Traveler
----- Original Message -----
From: Randy Farley
To: tvnsp@yahoogroups.com
Sent: Tuesday, April 02, 2002 5:18 PM
Subject: Re: [tvnsp] KD4STH-11 log with extra notes

Zack's "Jar" theory makes some sense too.

Tony,i have the exact same problem with my remote.
But mine does it with brand new batteries.
I used to reach into the battery compartment and just
roll the batteries slightly but got tired of that method.
Now i just give the unit a light rap in the palm of my hand.
I just figure i will take it back to "Wally World" if it fails
totally. Must be the cheap alloy springs they use not letting
the electrons line up properly? :)

That brings up another snafu and pet peeve of mine we might
look at. In my old days
of R/C flying,we always used nicads with solder tabs to make
series or parallel power connections. This was true for the
transmitter
and receiver. You simply did not trust spring clips to hold
batteries in compartments when flying or even car racing. Too much
chance for individual contact failure amongst several batteries.
You can imagine what would happen if a battery lost contact when
you are doing wild g-force maneuvers with the toys.

I actually had the battery compartment door on my tranmitter
open up when i dropped it on the ground. The battery pack fell
out but still held together dangling from the molex connector.
I was rather embarrased but the plane kept flying.

Not sure how the new R/C stuff is configured now days. I know the
cheapie R/C gear that started coming out in the 80's went to
battery compartments with spring contacts. I converted mine to
use nicads soldered and shrink wrapped together.
The more up to date R/C people might have more input on this.

My opinion, when you can solder your packs together it is
much more reliable and one less point of failure.
More spendy,but safer. I think we do that where possible.
Shame on us if we use spring loaded battery holders.

Great stuff everyone,just wished i could pop my $.02 in
a more timely manner.

Tony Barrett wrote:
>
> Great idea about the time stamps Zack.
>
> I can't believe we gather all this data by computer and we don't time stamp
> every data point to a fraction of a second. Seems like it wouldn't take
> too much software to solve that problem at the transmitting or receiving end.
>
> I like your point about the burst jar triggering another report. When the
> batteries in my TV remotes get low and quit working I merely twist the
> batteries or take them out and out them right back in and they immediately
> work again for a while. Probably disturbs any surface oxide layers, or
> removing the load momentarily allows the battery to recover a little. Not
> sure of the exact mechanisms, but it really works.
>
> Thanks for the pearls of wisdom.
>
> Tony

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2432. Re: [tvnsp] Re: organized search effort

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-03 00:16:39 UTC
From: Zack Clobes
Topic: 2408 Message: 2432

I noticed some green starting to form on the trees down in Kansas tonight - It should would be easier to spot before all the foliage sprouting out.

----- Original Message -----
From: n1ltv
To: tvnsp@yahoogroups.com
Sent: Tuesday, April 02, 2002 4:26 PM
Subject: [tvnsp] Re: organized search effort

Mike,

I'd been waiting with great anticipation the details
of your hunt. What a tremendous effort for someone
working alone!

My hat's off to you for making this iniative.

Perhaps the payload has landed in a lightly populated or
even a wilderness area and will remain for a while
untouched by mischievous hands.

Hoping for an early find so that there might be something
left of the etrexes.

Hank

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2433. Re: [tvnsp] GPS Interface Cable w/KPC3+

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-03 01:01:17 UTC
From: Randy Farley
Topic: 2428 Message: 2433

Mike
You will not need the HSP cable for you KPC3+. It is only needed for older tnc's that are used with laptops that have only one serial port. It was a clunky way of sharing the gps and radio on one port. The radio and gps can use the DB-9 on the psuedo serial port of the KPC3+. This leaves the DB-25 port free for the laptop.
I'm not familiar with the pin-out number of your gps so i will not use numbers for it.

GPS DB-9(kpc3+)
Data in----pin 3 (optional if your gps accepts data)
Data out---pin 2
GND--------pin 6
Power------pin 7 (optional 12V pwr.source for gps)

If you use pin 7 to power your gps,you will have to change a jumper inside the tnc. This pin is hot all the time so be careful. Smoke damage not insured, going off my documented notes.
Another confirmation is always good. My dyslexia sometimes kicks in inadvertantly.

I will let Stephanie strangle you with the HSP cable ;)

Your no dummy,just eager to learn.

> Mike Garske wrote:
>
> Randy or Stephanie,
>
> Ok Stephanie, you can hit me in the head the next time you see me
> for buying that HSP cable! I got it today and opened up the box and
> got mad at myself for not making my own! Anyway, I was also suprised
> to see that it was a DB-25 cable, I thought you said the GPS goes in
> on the DB-9 connector? Could you please send me a schematic on how
> to construct one, or what pins the GPS output needs to go on?
>
> Thanks in advance,
>
> Mike, "The Big Dummy" KC7DPD.....
>
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--
Regards,

Randy Farley
N7GPS -Ham Call-
Find Me at: http://map.findu.com/n7gps*

2434. Personal problems

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-03 01:55:01 UTC
From: Zack Clobes
Topic: 2434 Message: 2434

I just found an unusual problem on my controller board. I've been getting it ready for a school presentation in the morning and for some reason, my VX-1R was having a problem staying keyed. It would start to transmit and then drop carrier one or more times per packet. I've occasionally seen this problem on the bench with high-RF field or on a noisy power supply but never this bad. I finally replaced my 3.3k pull-down resistor (for PTT) with a 1k and things are working much better.

This was the controller that just flew without incident a couple weeks ago. I'm not sure exactly why it suddenly started having problems - the resistor measured about 3250 ohms... well within spec.

Zack Clobes, W0ZC
Project: Traveler

2435. Re: [tvnsp] Garmin GPS-35

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-03 02:52:54 UTC
From: Tony Barrett
Topic: 2400 Message: 2435
Attachments: 2 described; binary payloads are missing from this source WARC

Mark is right. I own a Garmin GPS-35 and it is trouble free. You just give it power, over a VERY wide voltage range, and it just works. Its even waterproof. Its made to permanently mount on a vehicle like a car or boat. I know people that have these permanently mounted on their cars for years with no problem. Well worth the money. They must have gone up in price a bit. I don't think I paid quite that much for mine when I bought it about a year ago.

At 08:32 AM 4/2/02 -0600, you wrote:
>Hi,
>
>I might suggest the use of a Garmin GPS-35 for you primary
>beacon. It weights about 5 oz. and one version does fine off
>+5V. I feed mine off the same regulator that powers the
>controller board. Size and shape is about that of a computer
>mouse.
>
>As soon as power is applied, it spits out NMEA sentences. You
>can control which ones are output, and there's a 3D velocity
>sentence so you can determine vertical velocity. Time to first
>fix is very good and if power is briefly interrupted it will come
>back up normally (i.e., it won't shut down and stay off). The
>built-in antenna has very good performance - I get a 6-satellite
>lock in my house and I've had it provide at least 2D fixes after
>landing with the antenna up-side down.
>
>I got my last one from CDW for about $160. List is closer to
>$200.
>
>73 de Mark N9XTN
>
>
>
>
>
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2436. Re: [tvnsp] Garmin GPS-35

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-03 02:57:32 UTC
From: Tony Barrett
Topic: 2400 Message: 2436
Attachments: 2 described; binary payloads are missing from this source WARC

Yes, I think I paid about $140 for mine and I bought it directly from
Garmin. You have to ask for their aviation sales department.

At 12:02 PM 4/2/02 -0600, you wrote:
>I think Garmin will actually sell them to you a little cheaper than $160
>direct. $140?
>----- Original Message -----
>From: <mailto:n9xtn@...>Mark Conner
>To: <mailto:tvnsp@yahoogroups.com>TVNSP List
>Sent: Tuesday, April 02, 2002 8:32 AM
>Subject: [tvnsp] Garmin GPS-35
>
>Hi,
>
>I might suggest the use of a Garmin GPS-35 for you primary
>beacon. It weights about 5 oz. and one version does fine off
>+5V. I feed mine off the same regulator that powers the
>controller board. Size and shape is about that of a computer
>mouse.
>
>As soon as power is applied, it spits out NMEA sentences. You
>can control which ones are output, and there's a 3D velocity
>sentence so you can determine vertical velocity. Time to first
>fix is very good and if power is briefly interrupted it will come
>back up normally (i.e., it won't shut down and stay off). The
>built-in antenna has very good performance - I get a 6-satellite
>lock in my house and I've had it provide at least 2D fixes after
>landing with the antenna up-side down.
>
>I got my last one from CDW for about $160. List is closer to
>$200.
>
>73 de Mark N9XTN
>
>
>
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2437. the Nichrome is here.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-03 02:58:11 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 2437 Message: 2437

the Nichrome has arrived. 36 gauge..
I'm totally packed next weekend.....
Anyone at HP I could give it too who could
get it to Paul?

--
David Ritzenthaler - Hewlett-Packard, Boise ID
Musician - Academic - Hardware Design Engr.
208.396.3618 - david_ritzenthaler@...
http://www.findu.com/cgi-bin/find.cgi?KC7NFZ-8

2438. RE: [tvnsp] organized serach effort

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-03 03:29:19 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 2408 Message: 2438

I was out there last night looking around for several hours.
surprisingly heavily populated...
all farm land / cattle land....
very hilly... not suitable for searching by car.

we are going back wed night... going to get on a bluff and use some
binoculars.
Don't expect to find much....

we are going to leave work early and get out there around 2pm ish...

there are a couple of buttes you can get up pretty easy with 4WD,
try to have a look around...

but by AIR is really the best way to do this.... by far.....
when driving you can see maybe 20% of the land it's so bumpy.

-----Original Message-----
From: Hank Riley [mailto:n1ltv@...]
Sent: Tuesday, April 02, 2002 10:49 AM
To: tvnsp@yahoogroups.com
Subject: [tvnsp] organized serach effort

Paul,

Now that several days have passed since the loss
of the payload, do you anticipate yourself directing,
planning, or assisting some kind of organized or
semi-organized search effort?

Hank

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2439. Re: [tvnsp] GPS Interface Cable w/KPC3+

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-03 03:47:12 UTC
From: Stephanie Steele
Topic: 2428 Message: 2439

We all have to learn somehow Mike. Sorry you had to have an "expensive" lesson. I see Randy got you set with the pin outs so I won't repeat them here.

Stephanie

Mike Garske wrote:

Randy or Stephanie,

?

Ok Stephanie, you can hit me in the head the next time you see me for buying that HSP cable! I got it today and opened up the box and got mad at myself for not making my own! Anyway, I was also suprised to see that it was a DB-25 cable, I thought you said the GPS goes in on the DB-9 connector? Could you please send me a schematic on how to construct one, or what pins the GPS output needs to go on?

?

Thanks in advance,

?

Mike, "The Big Dummy"? KC7DPD.....

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--
Stephanie

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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2440. Re: [tvnsp] Garmin GPS-35

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-03 04:05:15 UTC
From: Mark Conner
Topic: 2400 Message: 2440

The "high-voltage" version takes 6-40V and the "low-voltage" version takes 3.6-6.0V. I got the low-voltage version and feed it off a regulator. I also wired it to be pin-compatible with the various Tripmate adapters for lighter sockets or laptops (they put out 5 to 6V).

- Mark

----- Original Message -----
From: "Tony Barrett" <tonybarrett@...>
To: <tvnsp@yahoogroups.com>
Sent: Tuesday, April 02, 2002 20:52
Subject: Re: [tvnsp] Garmin GPS-35

> Mark is right. I own a Garmin GPS-35 and it is trouble free. You just
> give it power, over a VERY wide voltage range, and it just works. Its even
> waterproof. Its made to permanently mount on a vehicle like a car or
> boat. I know people that have these permanently mounted on their cars for
> years with no problem. Well worth the money. They must have gone up in
> price a bit. I don't think I paid quite that much for mine when I bought
> it about a year ago.
>
>
> At 08:32 AM 4/2/02 -0600, you wrote:
> >Hi,
> >
> >I might suggest the use of a Garmin GPS-35 for you primary
> >beacon. It weights about 5 oz. and one version does fine off
> >+5V. I feed mine off the same regulator that powers the
> >controller board. Size and shape is about that of a computer
> >mouse.
> >

2441. Re: [tvnsp] GPS Interface Cable w/KPC3+

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-03 04:09:54 UTC
From: Mike Garske
Topic: 2428 Message: 2441

I have a GPS 3+ like yours Randy, sounds like a good project to bring to the next construction meeting!

Thanks!

Mike KC7DPD
----- Original Message -----
From: "Randy Farley" <rdfarley@...>
To: <tvnsp@yahoogroups.com>
Sent: Tuesday, April 02, 2002 6:01 PM
Subject: Re: [tvnsp] GPS Interface Cable w/KPC3+

> Mike
> You will not need the HSP cable for you KPC3+. It is only needed for
> older tnc's that are used with laptops that have only one serial
> port. It was a clunky way of sharing the gps and radio on one port.
> The radio and gps can use the DB-9 on the psuedo serial port of the
> KPC3+. This leaves the DB-25 port free for the laptop.
> I'm not familiar with the pin-out number of your gps so i will not use
> numbers for it.
>
> GPS DB-9(kpc3+)
> Data in----pin 3 (optional if your gps accepts data)
> Data out---pin 2
> GND--------pin 6
> Power------pin 7 (optional 12V pwr.source for gps)
>
> If you use pin 7 to power your gps,you will have to change a
> jumper inside the tnc. This pin is hot all the time so be careful.
> Smoke damage not insured, going off my documented notes.
> Another confirmation is always good. My dyslexia sometimes kicks in
> inadvertantly.
>
> I will let Stephanie strangle you with the HSP cable ;)
>
> Your no dummy,just eager to learn.
>
>
>
>
>
> > Mike Garske wrote:
> >
> > Randy or Stephanie,
> >
> > Ok Stephanie, you can hit me in the head the next time you see me

> > for buying that HSP cable! I got it today and opened up the box and
> > got mad at myself for not making my own! Anyway, I was also suprised
> > to see that it was a DB-25 cable, I thought you said the GPS goes in
> > on the DB-9 connector? Could you please send me a schematic on how
> > to construct one, or what pins the GPS output needs to go on?
> >
> > Thanks in advance,
> >
> > Mike, "The Big Dummy" KC7DPD.....
> >
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>
> --
> Regards,
>
> Randy Farley
> N7GPS -Ham Call-
> Find Me at: http://map.findu.com/n7gps*
>
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>

2442. My .02 worth

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-03 06:10:34 UTC
From: Stephanie Steele
Topic: 2442 Message: 2442

Hi Group,

I have somewhat quietly lurked as the discussion has gone on regarding what happened to this flight. I worked up a theory that, once Paul supplied me with the power source information, seems to be an obvious one. I am sure I am not the first to think of this (I'm sure) but I don't recall anyone stating it as I will here.

Here goes:

It is my theory that both trackers stopped due to power loss. We know this is true of the main system due to the telemetry that was received prior to it's demise. I suggest that the second tracker continued to function until it lost it's ability to transmit due to power loss in the radio while the GPS continued to function normally. I believe that the GPS continued to function as it's voltage continued to drop. I suggest that then the batteries in the radio recovered (alkaline batteries will often 'bounce back when load is removed from them as they near total discharge) just enough for one final packet to be generated by the TT just prior to the batteries in the GPS dipping below the low voltage threshold required for it's continued operation. This sequence may have been made worse by the low mass of the recovery beacon capsule and it's attendant higher susceptibility to thermal loss. I believe the radio continued to cycle as it's voltage rose and fell below that required for it to transmit. I think this explains the two widely separated garbled packets I saw and that were accompanied by extremely weak packet audio. I was listening with a very high gain narrow beam width beam (my Mode B satellite antenna) that was aimed precisely at the last known location of the balloon and I am confident that what I heard and saw on the raw data was junk coming from the recovery tracker.

I suggest that the excess RF theory is implausible due to the loss of the primary transmitter. Once it died there was no reason for RF to continue to be an issue with the TT if it ever was. I also discount the possibility of a collision with an aircraft as our equipment would have been sufficient to have generated some type of damage to that aircraft which would have been made public by now. Further, I don't believe there was any type of 'jerk' that caused the battery to regain contact as the flight data suggests that the balloon was still rising at it's last report (correct me if I'm wrong on this point but I felt that this point was pretty well established).

We have learned from prior flights and testing that Jeff performed following last year's losses, that the weak link in our design is our power source. I will agree that using consumer grade GPS receivers places some risk of failure into the mix but, as has been demonstrated, with adequate power from fresh sources, and of a design that is resistant to the effects of the cold, these receivers will work adequately. Jeff's successful re-configuration of his power sources following the Twin Falls flight, where it was clear that the GPS shut down from the effect of cold upon the alkaline batteries in the GPS, clearly demonstrate that the Etrex and other similar consumer grade GPS receivers will perform fine as long as they have adequate protection from the cold AND sufficient power sources. His use of two power sources to feed the GPS on subsequent flights has proved successful and removes the single point of failure that is a part of much of our design.

In summary, I believe that cold, coupled with use of temperature sensitive alkaline batteries, were the cause of the failures. Can't prove any of this until we find the capsule, but I believe this is a plausible explanation. The solutions are simple. Fly non temperature sensitive batteries in a redundant configuration and of sufficient voltage to compensate for the predictable loss of capacity from the cold.

Just my .02 worth. Hope this at least spurs some consideration and discussion. I know, I know, shut up and get back in the kitchen. ;-)

Stephanie

verhap@... wrote:

Thanks Paul. What was the power source for each component?
Was the Etrex dual powered or only internal. What battery type
was used for each? Thanks!

The TT had it's own 9V alkaline. The Etrex was only internally
powered, and those where alkalines. The HT also used alkalines.

Paul

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--
Stephanie

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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2443. Re: [tvnsp] Re: A philosophic observation...

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-03 06:07:22 UTC
From: Bill Herrmann
Topic: 2420 Message: 2443

At 08:24 PM 4/2/02 +0000, you wrote:
>This is essentially the second failure in a row of a tracking
>system on TVNSP.

Did I miss a flight? TV01H was well tracked right into the darn power line. TV02A was the next flight.

I'll certainly agree that the tracking systems need a more rigorous test before the next flight. I'd really like to explore why the MIM gets out so much worse than the TinyTrak or Jeff's KPC3+. On the previous flight (TV01H) I captured loads more packets from Jeff's KPC3+ both in the chase vehicle and from my home station. AFAIK I got NO packets from the MIM on this (TV02A) flight at my home station. I got around 12 packets from the TinyTrak, which I believe had a lower power transmitter on it.

I mentioned it on the air from the soccer game on Saturday, (Sorry about my low audio there - I wasn't exactly in a prime location and was on an HT. Even at high power I had to stand in a different location to be heard.) but I think there is a good opportunity for a field exercise. A number of local hams do APRS support for the HP Women's Challenge Bicycle race. We've had some message acking issues that we would like to test out prior to this years race. TVNSP has some balloon trackers to test out. It seems like a good fit to test both at the same time.

Bill

2444. Re: [tvnsp] My .02 worth

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-03 06:56:59 UTC
From: Bill Herrmann
Topic: 2442 Message: 2444

At 11:10 PM 4/2/02 -0700, you wrote:
>It is my theory that both trackers stopped due to power loss.

This seems reasonable to me.

>I believe that the GPS continued to function as it's voltage continued to
>drop.

This seems reasonable as well. By default (it is changeable) the TinyTrak2 will ONLY transmit a position if the GPS is indicating that it has a valid lock.

>This sequence may have been made worse by the low mass of the recovery
>beacon capsule and it's attendant higher susceptibility to thermal loss.

I'm not sure on this aspect. If the recovery beacon capsule is constructed the way I believe it is based on observation at one of the meetings it has as much or more insulation as the normal capsule does. I don't know how well sealed to air it was, so that could still be a factor.

>I suggest that the excess RF theory is implausible due to the loss of the
>primary transmitter. Once it died there was no reason for RF to continue
>to be an issue with the TT if it ever was.

It does seem odd. I know I've occasionally seen reference to an RF issue with the TT, but I've used mine extensively with only two possible instances of RF interference. One turned out to be a cable problem and the other is likely the same problem. Both were with an older radio that I don't usually use it with.

Personally I'm with Stephanie - I don't think it was an issue of RF hosing the TT. I don't believe it would have recovered for that last packet we did get if that had been the case. I'll also argue that most newer radios have a transmission time out timer and would have unkeyed in plenty of time for us to see signals from the flight computer.

Paul - what radio was on the backup beacon and does it have a transmission time out?

>I also discount the possibility of a collision with an aircraft as our
>equipment would have been sufficient to have generated some type of damage
>to that aircraft which would have been made public by now.

No argument there. If nothing else that lone packet at 77k feet is a good indication that that didn't happen.

>We have learned from prior flights and testing that Jeff performed
>following last year's losses, that the weak link in our design is our

>power source.

It does seem that way. Based on what I read of the re-engineering of power sources I would suggest that we need to take an additional step of powering the transmitters separately from the more constant load of the flight electronics. Further I'd suggest that we have to run a minimum of one ground test for as long as the batteries will last to verify the length of time we should expect.

>I know, I know, shut up and get back in the kitchen. ;-)

Not gonna hear that from me!

Bill

2445. Re: [tvnsp] Re: A philosophic observation... Whoops!

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-03 07:25:22 UTC
From: Bill Herrmann
Topic: 2420 Message: 2445

At 11:07 PM 4/2/02 -0700, I wrote:
>AFAIK I got NO packets from the MIM on this (TV02A) flight at my home station.

Let me rephrase that as: no valid position packets from the MIM.

In reviewing the raw TNC data I do see packets from the MIM. However, they aren't fully formed packets and APRS+ was not displaying them at ALL. (I was running 2.10 at the time of the flight.)

What should the GPS fix packets look like? I see some that do not seem to have a position in them but have the "GPS Fix" text and some that do seem to have a position content with that text.

I'll try to upload the raw log later this week. I started it just after the flight started and didn't stop it till late that night as we had a mildly jam packed Saturday. It's got a lot of non-pertinent data in it and is HUGE! (Yes, I'll strip it down first.)

Bill

2446. Re: [tvnsp] Re: TV02A Ground Photo Analysis

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-03 14:27:08 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2304 Message: 2446

[Body unavailable in the source archive]

2447. New descent speed

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-03 14:29:29 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2408 Message: 2447

The 1200 fpm descent we use is for the old parachute. I looked at TV01H last night and calculated that it landed at 600 to 700 fpm. John, can you run a prediction for that descent speed?

Tonight I'll look at the relationship between burst point and landing point.

Paul

2448. Re: [tvnsp] GPS Interface Cable w/KPC3+

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-03 14:33:33 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2428 Message: 2448

> I have a GPS 3+ like yours Randy, sounds like a good project to bring to the
> next construction meeting!

I'll be bringing my KPC3+ also. Mike, can you bring your 'chute?

Paul

2449. My .02 worth + Notes

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-03 14:48:04 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2442 Message: 2449

In summary, I believe that cold, coupled with use of temperature sensitive alkaline batteries, were the cause of the failures. Can't prove any of this until we find the capsule, but I believe this is a plausible explanation. The solutions are simple. Fly non temperature sensitive batteries in a redundant configuration and of sufficient voltage to compensate for the predictable loss of capacity from the cold.

Just my .02 worth. Hope this at least spurs some consideration and discussion. I know, I know, shut up and get back in the kitchen. ;-)

I see nothing wrong with Stephanie's hypothesis. Past flights used military surplus lithiums. I stopped using them because they're becoming rarer and more expensive. Also, there have been some problems with them due to their age. So Stephanie, you're not banished to the kitchen.

I checked Walmart last night. They sell 1.5V lithiums at the camera counter in Caldwell.

Using a 6.0V power supply is not a problem as long as you have the capacity. 1.5 A-hrs is suffcient capacity for the flight computer. I'd like to try a 7.2V RC battery, but it is nicad (but they're cheaper in the long run and readily available). A warmbox may be all they need.

I've ordered another GPS, servo controller, cable for my Vertex HT, and some crimped coax cables. I have another TT and MIM at home, ready to be used as a flight computer. I'll order a BS2p today. Stephanie, the coax should work as DJ-S11 coax, we'll cut one in half and try it out at a construction meeting. I've also started building a new airframe. I have yet to order a DJ-S11. I have a DJ-S41, which is the 440 version. Can anyone track on 440? Mike, I think you said you could.

If Jeff would like to launch his tracker, we could make an April 20th launch. I'll make a 1/2 scale capsule ready (the one for the May high altitude attempt) with a camera. Jeff, let me know. I'll put the TT into the second module along with lithium AAs and a lithium 9V.

If nothing else, this has added another chapter and a half to my book.

Mike, will you be able to get an article to ATVQ? Perhaps someone would like to write an article on what we are discussing about this flight?

Paul

2450. Re: [tvnsp] My .02 worth

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-03 14:54:47 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2442 Message: 2450

> Paul - what radio was on the backup beacon and does it have a transmission
> time out?

Both use a DJ-S11. I'm not aware there is a trransmission time-
out. The documentation for this radio is only one page long.

> It does seem that way. Based on what I read of the re-engineering of power
> sources I would suggest that we need to take an additional step of powering
> the transmitters separately from the more constant load of the flight
> electronics. Further I'd suggest that we have to run a minimum of one
> ground test for as long as the batteries will last to verify the length of
> time we should expect.

The HT and flight computer are different batteries, as are the servos.

Paul

2451. Re: [tvnsp] Re: A philosophic observation... Whoops!

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-03 14:57:57 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2420 Message: 2451

> What should the GPS fix packets look like? I see some that do not seem to
> have a position in them but have the "GPS Fix" text and some that do seem
> to have a position content with that text.

The MIM sent two types of packets. The most common was the
telemetry. Those were sent once every two minutes and are
generated by the MIM. The other ones are generated by the flight
computer and then sent to the MIM. The flight computer then
forces a posit by bringing the A3 line low. These packets are the
GPS data.

The GPS data will look like this...

$GPGGA,.....
$GPRMC,.....

Paul

2452. Re: [tvnsp] My .02 worth + Notes

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-03 15:14:44 UTC
From: Stephanie Steele
Topic: 2442 Message: 2452

Hi Paul,

If you are going to get some coax, and still want to mod the radios, go ahead. You can use one of them for the upcomming flight(s). I was under the impression that you would have any coax. If that won't work then I'll try and get some of the stuff (I can't recall the type number) you had before which I have found is normally stocked by Mobex.

Stephanie

verhap@... wrote:

In summary, I believe that cold, coupled with use of temperature sensitive alkaline batteries, were the cause of the failures. Can't prove any of this until we find the capsule, but I believe this is a plausible explanation. The solutions are simple. Fly non temperature sensitive batteries in a redundant configuration and of sufficient voltage to compensate for the predictable loss of capacity from the cold.

Just my .02 worth. Hope this at least spurs some consideration and discussion. I know, I know, shut up and get back in the kitchen. ;-)

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I checked Walmart last night. They sell 1.5V lithiums at the camera counter in Caldwell.

Using a 6.0V power supply is not a problem as long as you have the capacity. 1.5 A-hrs is suffcient capacity for the flight computer. I'd like to try a 7.2V RC battery, but it is nicad (but they're cheaper in the long run and readily available). A warmbox may be all they need.

I've ordered another GPS, servo controller, cable for my Vertex HT, and some crimped coax cables. I have another TT and MIM at home, ready to be used as a flight computer. I'll order a BS2p today. Stephanie, the coax should work as DJ-S11 coax, we'll cut one in half and try it out at a construction meeting. I've also started building a new airframe. I have yet to order a DJ-S11. I have a DJ-S41, which is the 440 version. Can anyone track on 440? Mike, I think you said you could.

If Jeff would like to launch his tracker, we could make an April 20th launch. I'll make a 1/2 scale capsule ready (the one for the May high altitude attempt) with a camera. Jeff, let me know. I'll put the TT into the second module along with lithium AAs and a lithium 9V.

If nothing else, this has added another chapter and a half to my book.

Mike, will you be able to get an article to ATVQ? Perhaps someone would like to write an article on what we are discussing about this flight?

Paul

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--
Stephanie

****

"They that can give up essential liberty to obtain a little temporary safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

Are you tired of sending out email that shows the wear and tear of being forwarded 50 times. Are you tired of getting this same type of mail that is hard or impossible to read. Try out Message Cleaner. I use it and I recommend it. Here is a link to get your own copy.

Here's a link to a very handy email clean-up utility, check it out:

http://www.RoundhillSoftware.com/MessageCleaner?H6Ldj2XpI

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2453. Re: [tvnsp] My .02 worth + Notes

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-03 15:18:55 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2442 Message: 2453

If you are going to get some coax, and still want to mod the radios, go ahead. You can use one of them for the upcomming flight(s). I was under the impression that you would have any coax. If that won't work then I'll try and get some of the stuff (I can't recall the type number) you had before which I have found is normally stocked by Mobex.

I needed to order parts from Jameco. When I was looking through the catalog, I found their premade RG-174 cables. They're 3' long, I figure we cut them in half. This will also go into my book.

Paul

2454. Re: New descent speed

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-03 15:51:39 UTC
From: n1ltv
Topic: 2408 Message: 2454

> The 1200 fpm descent we use is for the old parachute. I looked at
> TV01H last night and calculated that it landed at 600 to 700 fpm.
> John, can you run a prediction for that descent speed?

Paul,

I'm still crunching numbers on this landing spot calculation.

Could you post the chute diameter and payload weight? I think
the weight was approximately 12 1/2 or 13 pounds, but it's
worth confirming.

I'll be posting calculated wind speeds and wind directions
today since I've had time to double check what was done
Saturday night and it's okay.

I had an idea that the descent speed might be off, but never
expected it to be that far off.

Hank

2455. Re: [tvnsp] Re: New descent speed

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-03 16:01:35 UTC
From: Jeff Melanson
Topic: 2408 Message: 2455

----- Original Message -----
From: "n1ltv" <n1ltv@...>
To: <tvnsp@yahoogroups.com>
Sent: Wednesday, April 03, 2002 8:51 AM
Subject: [tvnsp] Re: New descent speed

> The 1200 fpm descent we use is for the old parachute. I looked at
> TV01H last night and calculated that it landed at 600 to 700 fpm.
> John, can you run a prediction for that descent speed?

Is the descent speed the landing speed? The landing speed must be the slowest speed of the descent phase. What about the higher descent speeds at higher altitudes?

Jeff
KD7INN

2456. NiMH source

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-03 16:03:07 UTC
From: Mark Conner
Topic: 2456 Message: 2456

Batteries America is an excellent source of NiMH cells if you want to make custom packs. Their web site is http://www.batteriesamerica.com. They have detailed information on capacity, size, and weight for each cell they carry. The best power density by weight is the 4000 mAH cell I use - they're about $7 each, or $42 for a 6-cell pack. If you get them, make sure they have solder tabs on them.

Many R/C chargers will handle NiMH packs, but check the manual to be sure. The end of charge detection method is different for NiMH vs NiCD. I use a R/C charger that I bought from Tower Hobbies. I used to use a Maha charger, but it didn't get the batteries to full capacity. The charger I got was about $70, but I use it to charge all my NiCD and NiMH batteries (incl. AAs for my digital camera).

73 de Mark N9XTN

2457. Re: [tvnsp] Re: New descent speed

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-03 16:47:17 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2408 Message: 2457

> Could you post the chute diameter and payload weight? I think
> the weight was approximately 12 1/2 or 13 pounds, but it's
> worth confirming.

Parachute diameter is 7 feet. The porosity of this 'chute is evidently less than the old 'chute. The total weight, including parachute is 13 pounds as I recall.

Paul

2458. Re: [tvnsp] Re: New descent speed

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-03 16:48:06 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2408 Message: 2458

> Is the descent speed the landing speed? The landing speed must be the
> slowest speed of the descent phase. What about the higher descent speeds at
> higher altitudes?

I've always assumed the program used the landing speed and took
into account the faster initial descent speed.

Paul

2459. Re: [tvnsp] Re: April Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-03 16:51:45 UTC
From: John Knapp
Topic: 261 Message: 2459

Since I didn't share the idea with the group here it
is. Thanks Paul

With all the comments being made I have a suggestion
that might solve several problems at one time. If I
remember correctly, the April launch is to be in
conjunction with DCI. Why not do the suspension test
at DCI? We could wait until the Center opens, fill the
balloon, suspend it in the air several hundred feet
off the ground, demonstrate APRS on a different
frequency, and could also use the SSTV with another
receiver on the ground. Suspend it during the hours
DCI is open.

A thought.

Also, how will this affect the demo we wanted to do
with the Scouts on April 13? Should I not plan on
anything, just announce about DCI and go from there? I
still plan on a APRS set-up which I will do.

John Knapp
KD7HGS

--- verhap@... wrote:
> I like John's suspended capsule idea for DCI. I
> have an ATV setup
> that could be used. As far as the Scouts, I don't
> think I can get
> something set up by then. I have videos, etc that
> you could borrow.
>
> I'm getting a new capsule together along with three
> flight computers
> that I'm writing about in my book. We'll be ready
> for a May flight.
>
> Paul
>

_____
Do You Yahoo!?
Yahoo! Tax Center - online filing with TurboTax
http://taxes.yahoo.com/

2460. See The Comet

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-03 17:15:43 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2460 Message: 2460

If you get a chance, go see comet Ikeya-Zhang. I saw it Monday night with and without binoculars. Its located in the northeast. Wait at least an hour after sunset. Over the next few nights it will drift past Andromeda Galaxy. In binocs you'll see both objects, with the comet being brighter.

Check
www.spaceweather.com

Paul

2461. RE: [tvnsp] Re: New descent speed

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-03 18:10:48 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 2408 Message: 2461

Isn't the final landing speed always the slowest speed, 0 mph? (G&D)

Bill B.

> -----Original Message-----
> From: verhap@... [mailto:verhap@...]
> Sent: Wednesday, April 03, 2002 2:48 AM
> To: tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] Re: New descent speed
>
>
> > Is the descent speed the landing speed? The landing speed
> must be the
> > slowest speed of the descent phase. What about the higher
> descent speeds at
> > higher altitudes?
>
> I've always assumed the program used the landing speed and took
> into account the faster initial descent speed.
>
> Paul
>

2462. RE: [tvnsp] My .02 worth + Notes

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-03 18:28:04 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 2442 Message: 2462

I'm finally getting caught up on the TVNSP stuff after being offline a week. 247 posts took some wading through, and I had to put it off, giving priority to other things.

I'm aware of at least one proposed airborne capsule SAR pending. Hopefully, it will locate the lost capsules. A piece of information I need to pass on for this is, what is the 'chute diameter and what are the colors?

The time has come, I think, to re-suggest an idea I offered shortly after linking up with TVNSP. I still believe, and this loss reinforces that belief, that there should be a TVNSP equivalent of a triggerable EPIRB. This should be something that does not run constantly during the flight, is completely self-contained and epoxied, and is triggerable by a search party. My original thought was that it should not run at all until it hits ground, but discussion with another person has led me to consider that it might be worth having it run at widely separated intervals. I'm still not sure of that point, though.

The idea is that this device has nothing to contribute at all to data collection or flight sampling. It is purely a recovery device, triggerable by a pulse from searchers. Airborne searchers could get into the general area rapidly and reduce the terrain to be searched by DF techniques. Once the area is narrowed down, then ground parties can move into the indicated location, if the capsules and 'chute aren't visible from the air. This would reduce the ground team's work to simple DF as with a fox hunt.

This device should be simple, transmitting a pulsed signal similar to that for CW on demand. Whether or not it should beacon regularly after landing is debatable, my feeling is that it should not do so, in order to preserve battery power for the actual search needs.

73 de Bill, KC7JSD

2463. RE: [tvnsp] My .02 worth + Notes

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-03 19:13:43 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2442 Message: 2463

> The time has come, I think, to re-suggest an idea I offered shortly after
> linking up with TVNSP. I still believe, and this loss reinforces that
> belief, that there should be a TVNSP equivalent of a triggerable
EPIRB.

I have developed a beacon similiar to that. The problem is the
weight. I need a cheap and light radio.

Paul

2464. RE: [tvnsp] My .02 worth + Notes

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-03 19:20:59 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 2442 Message: 2464

I'm not sure we're thinking the same way. Your reply below indicates you attach the beacon to a radio. I'm talking about a completely self-contained beacon, for example like the CW radio you'd build in a tuna fish can. This whole thing would be epoxied for protection from the environment, the weak link being the antenna connector and the battery connection, though those could be completely enclosed in thermal protection of some sort. There are RF chips out there that should enable us to have a simple radio-in-a-chip design for the beacon.

Bill B.

> -----Original Message-----
> From: verhap@... [mailto:verhap@...]
> Sent: Wednesday, April 03, 2002 5:14 AM
> To: tvnsp@yahoogroups.com
> Subject: RE: [tvnsp] My .02 worth + Notes
>
>
> > The time has come, I think, to re-suggest an idea I offered
> shortly after
> > linking up with TVNSP. I still believe, and this loss
> reinforces that
> > belief, that there should be a TVNSP equivalent of a triggerable
> EPIRB.
>
> I have developed a beacon similiar to that. The problem is the
> weight. I need a cheap and light radio.
>
> Paul

2465. RE: [tvnsp] My .02 worth + Notes

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-03 19:24:24 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 2442 Message: 2465

I am motivated to work on a project such as this because I would
like to have something similar on a dog collar....

RFM has low power RF-IC's that transmit at very low power....
I imagine a very low power (output and consumption) device could
be made that would be ultra lightweight, and could run on a
lithium battery.....

http://www.rfm.com/ <http://www.rfm.com/>

there are also several other RFIC products.....

-----Original Message-----
From: verhap@... [mailto:verhap@...]
Sent: Wednesday, April 03, 2002 5:14 AM
To: tvnsp@yahoogroups.com
Subject: RE: [tvnsp] My .02 worth + Notes

> The time has come, I think, to re-suggest an idea I offered shortly after
> linking up with TVNSP. I still believe, and this loss reinforces that
> belief, that there should be a TVNSP equivalent of a triggerable
EPIRB.

I have developed a beacon similiar to that. The problem is the
weight. I need a cheap and light radio.

Paul

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5002.1954253.3462811.1261774/D=egroupweb/S=1705083281:HM/A=1000239/R=1>

<http://us.adserver.yahoo.com/l?M=215002.1954253.3462811.1261774/D=egroupmai
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2466. Backup transmitter/Garmin 35 GPS engine

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-03 19:50:33 UTC
From: Zack Clobes
Topic: 2466 Message: 2466

We are just beginning to start development on a small, low power 2m transmitter that we hope to be able to build for under $50. It is based on the Motorola MC2833 (I've got a spec sheet if anyone needs it). The chip I believe has been discontinued but can still be purchased from www.oselectronics.com among others.

Secondly, we checked on Garmin 35-HVS/LVS units today. They can be purchased directly from Garmin (with a credit card) for $135/$130 respectively. However, they said that the HVS units are backordered into August.

Zack Clobes, W0ZC
Project: Traveler
----- Original Message -----
From: RITZENTHALER,DAVID (HP-Boise,ex1)
To: 'tvnsp@yahoogroups.com'
Sent: Wednesday, April 03, 2002 1:24 PM
Subject: RE: [tvnsp] My .02 worth + Notes

I am motivated to work on a project such as this because I would
like to have something similar on a dog collar....

RFM has low power RF-IC's that transmit at very low power....
I imagine a very low power (output and consumption) device could
be made that would be ultra lightweight, and could run on a
lithium battery.....

http://www.rfm.com/

there are also several other RFIC products.....

-----Original Message-----
From: verhap@... [mailto:verhap@...01.k12.id.us]
Sent: Wednesday, April 03, 2002 5:14 AM
To: tvnsp@yahoogroups.com
Subject: RE: [tvnsp] My .02 worth + Notes

> The time has come, I think, to re-suggest an idea I offered shortly after
> linking up with TVNSP. I still believe, and this loss reinforces that
> belief, that there should be a TVNSP equivalent of a triggerable
EPIRB.

I have developed a beacon similiar to that. The problem is the
weight. I need a cheap and light radio.

Paul

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2467. Locator beacon

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-03 19:53:53 UTC
From: n1ltv
Topic: 2442 Message: 2467

The locator beacon can be made from ONE off the shelf component as the RF generator: a simple clock oscillator.

Now before you scoff, look up around April or May 2001 in QST magazine and you'll see how Pierre Thompson's balloon payload that landed near ARRL headquarters was located by RDFing on just such a signal.

This payload was the main transmitter and was never intended to be used long after landing, but because of its small current consumption, and because Pierre uses PIC microcontrollers (no power hungry BASIC Stamps) there was less than one milliampere current drain from his 9 volt lithium battery for the controller.

This assembly lasted about a WEEK sending CW telemetry at one minute intervals that gave an ID and also temperature and battery state telemetry.

The CW was heard for over a 20 mile radius on 10 meters and the final location was done on a 2 meter harmonic using handheld beams just as the beacon was about to run out of juice.

It's a great article in QST and has lots of pictures. It was a great pleasure for me to have been a participant in that recovery, starting with the alert I sent Steve Ford, QST editor, the day before Pierre launched telling Steve that the balloon might land close to Steve's home and that he might want to give a listen.

He did, he heard, and later he wrote. Steve also was instrumental in gathering ARRL troops to locate the beacon. The fact that the CW on 10 meters was heard over a good chunk of Connecticut made it a little harder to figure out where the payload was. It turned out to be snagged high in a tree on high ground, so that helped the propagation.

Hank

2468. Re: New descent speed

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-03 20:02:23 UTC
From: n1ltv
Topic: 2408 Message: 2468

> I've always assumed the program used the landing speed and took
> into account the faster initial descent speed.

Correct.

2469. Re: [tvnsp] Backup transmitter/Garmin 35 GPS engine

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-03 20:00:24 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2466 Message: 2469

> We are just beginning to start development on a small,

I'd like to find a radio that will still be available years from now for my book. I'll check the websites out, though.

> Secondly, we checked on Garmin 35-HVS/LVS units today.

Ugghhhh!
I just bought one for $155!!!!

Paul

2470. Re: [tvnsp] Locator beacon

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-03 20:02:20 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2442 Message: 2470

> The locator beacon can be made from ONE off the shelf
> component as the RF generator: a simple clock
> oscillator.

That sounds similiar to the fireball transmitters I made in the past.
I'd like a fractional watt 2m radio, like the DJ-S11, but smaller.

Paul

2471. RE: [tvnsp] Locator beacon

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-03 20:07:35 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 2442 Message: 2471

That seems about right, given some schematics I dimly remember. My only question here would be to ask, how much would it complicate things to move it to 2m instead of 10m, and dump it into the low end of the 2m band? 2m would help localize it more, plus have the advantage of requiring a smaller antenna, I think? I still believe that for this recovery beacon, it should be triggerable rather than just sit there beaconing away.

I don't get QST, but I'm going to ask around and see if anyone has a copy I can check out.

Bill B.

> -----Original Message-----
> From: n1ltv [mailto:n1ltv@...]
> Sent: Wednesday, April 03, 2002 12:54 PM
> To: tvnsp@yahoogroups.com
> Subject: [tvnsp] Locator beacon
>
>
> The locator beacon can be made from ONE off the shelf
> component as the RF generator: a simple clock
> oscillator.
>
> Now before you scoff, look up around April or May 2001
> in QST magazine and you'll see how Pierre Thompson's
> balloon payload that landed near ARRL headquarters
> was located by RDFing on just such a signal.

2472. Re: [tvnsp] Locator beacon

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-03 20:24:57 UTC
From: Jeff Melanson
Topic: 2442 Message: 2472

It's in the April 2001 issue on pages 55-58.

Jeff

----- Original Message -----
From: "n1ltv" <n1ltv@...>
To: <tvnsp@yahoogroups.com>
Sent: Wednesday, April 03, 2002 12:53 PM
Subject: [tvnsp] Locator beacon

> The locator beacon can be made from ONE off the shelf
> component as the RF generator: a simple clock
> oscillator.
>
> Now before you scoff, look up around April or May 2001
> in QST magazine and you'll see how Pierre Thompson's
> balloon payload that landed near ARRL headquarters
> was located by RDFing on just such a signal.
>
> This payload was the main transmitter and was never
> intended to be used long after landing, but because
> of its small current consumption, and because Pierre
> uses PIC microcontrollers (no power hungry BASIC
> Stamps) there was less than one milliampere current
> drain from his 9 volt lithium battery for the controller.
>
> This assembly lasted about a WEEK sending CW telemetry at
> one minute intervals that gave an ID and also temperature
> and battery state telemetry.
>
> The CW was heard for over a 20 mile radius on 10 meters and
> the final location was done on a 2 meter harmonic using
> handheld beams just as the beacon was about to run out of
> juice.
>
> It's a great article in QST and has lots of pictures. It
> was a great pleasure for me to have been a participant in
> that recovery, starting with the alert I sent Steve Ford,
> QST editor, the day before Pierre launched telling Steve
> that the balloon might land close to Steve's home and that
> he might want to give a listen.
>
> He did, he heard, and later he wrote. Steve also
> was instrumental in gathering ARRL troops to locate
> the beacon. The fact that the CW on 10 meters was
> heard over a good chunk of Connecticut made it a

> little harder to figure out where the payload
> was. It turned out to be snagged high in a tree
> on high ground, so that helped the propagation.
>
> Hank
>
>
>
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2473. Re: [tvnsp] Backup transmitter/Garmin 35 GPS engine

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-03 20:46:32 UTC
From: Tim Rynearson
Topic: 2466 Message: 2473
Attachments: 2 described; binary payloads are missing from this source WARC

Zack,
Garmin's gps36 unit is identical to the 35 with two exceptions -- its white and comes with a 30 foot cable instead of 15. It's intended for marine applications. You might check on availability of that model too....They've also come out with a new gps17 model that weighs a bit more, but is WAAS capable, bringing the EPE down to about 3 meters. If I remember correctly, the 17 is around $170.

MY $.02 worth.....
Tim...N7UBO

-------Original Message-------

From:tvnsp@yahoogroups.com
Date: Wednesday, April 03, 2002 12:11:00 PM
To:tvnsp@yahoogroups.com
Subject: [tvnsp] Backup transmitter/Garmin 35 GPS engine

We are just beginning to start development on a small, low power 2m transmitter that we hope to be able to build for under $50. It is based on the Motorola MC2833 (I've got a spec sheet if anyone needs it). The chip I believe has been discontinued but can still be purchased from www oselectronics.com among others.

Secondly, we checked on Garmin 35-HVS/LVS units today. They can be purchased directly from Garmin (with a credit card) for $135/$130 respectively. However, they said that the HVS units are backordered into August.

Zack Clobes, W0ZC
Project: Traveler
----- Original Message -----
From: RITZENTHALER,DAVID (HP-Boise,ex1)
To:'tvnsp@yahoogroups.com'
Sent: Wednesday, April 03, 2002 1:24 PM
Subject: RE: [tvnsp] My .02 worth + Notes

I am motivated to work on a project such as this because I would like to have something similar on a dog collar....

RFM has low power RF-IC's that transmit at very low power....
I imagine a very low power (output and consumption) device could be made that would be ultra lightweight, and could run on a lithium battery.....

http://www.rfm.com/

there are also several other RFIC products.....

-----Original Message-----
From: verhap@... [mailto:verhap@...]
Sent: Wednesday, April 03, 2002 5:14 AM
To: tvnsp@yahoogroups.com
Subject: RE: [tvnsp] My .02 worth + Notes

> The time has come, I think, to re-suggest an idea I offered shortly after
> linking up with TVNSP. I still believe, and this loss reinforces that
> belief, that there should be a TVNSP equivalent of a triggerable
EPIRB.

I have developed a beacon similiar to that. The problem is the
weight. I need a cheap and light radio.

Paul

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2474. Receiver current

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-03 21:08:19 UTC
From: Mark Conner
Topic: 2474 Message: 2474

The problems I see with having a triggerable beacon is that significant battery current is needed to drive the receiver. The receiver ends up eating as much or more of the battery than the transmitter would on a low duty cycle. Another is that the antenna has to pick up the command signal.

Testing should be done to see if the batteries will live longer by transmitting periodically and having no receive capability, or including the receiver (perhaps with some sort of power-saving circuitry) and a commandable beacon.

One of the reasons I decided on an APRS-compatible backup was because we have no experienced DFers in our group, or good mobile DF equipment. To me, it was better to have something to switch to in mid-flight that was APRS compatible rather than trying to find a non-directional beacon either during or after the flight. Even if the balloon went over the radio horizon on us during the chase, we could get within a few miles and then just drive around until we picked up posits on the ground.

I hope to eventually have a backup APRS beacon that will run 36 hours or so. That way if the worst happened and we couldn't find it with a ground search on Day 1, we could do an aerial search with a D7 on Day 2 and hopefully pick it up. This would require about 5000 mAH at 6V with my present setup.

73 de Mark N9XTN

2475. Re: [tvnsp] Receiver current

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-03 21:36:59 UTC
From: Zack Clobes
Topic: 2474 Message: 2475

I agree with Mark on the commandable backup beacon not being that great of an idea, but I'd also have to add that having a receiver with some sort of monitoring capability is just that many more things to go wrong. Remember: KISS

We have a 29.?MHz TTL oscillator coupled into a 2m dipole that we key on and off with a 555 oscillator. It works pretty good. With a lithium 9V from Radio Shack, it will transmit for a week solid (I know because I forgot to unplug it after our last flight - once the batteries start to die, it has a bit of a sweep oscillator effect.. :-/)

We have had some bad luck with it though - the first flight our 555 timer literally cracked in half. When I was getting ready for the 3rd flight, I had to replace the TTL oscillator because it had died. Kinda weird.
Zack
----- Original Message -----
From: Mark Conner
To: tvnsp@yahoogroups.com
Sent: Wednesday, April 03, 2002 3:08 PM
Subject: [tvnsp] Receiver current

The problems I see with having a triggerable beacon is that significant battery current is needed to drive the receiver. The receiver ends up eating as much or more of the battery than the transmitter would on a low duty cycle. Another is that the antenna has to pick up the command signal.

Testing should be done to see if the batteries will live longer by transmitting periodically and having no receive capability, or including the receiver (perhaps with some sort of power-saving circuitry) and a commandable beacon.

One of the reasons I decided on an APRS-compatible backup was because we have no experienced DFers in our group, or good mobile DF equipment. To me, it was better to have something to switch to in mid-flight that was APRS compatible rather than trying to find a non-directional beacon either during or after the flight. Even if the balloon went over the radio horizon on us during the chase, we could get within a few miles and then just drive around until we picked up posits on the ground.

I hope to eventually have a backup APRS beacon that will run 36 hours or so. That way if the worst happened and we couldn't find it with a ground search on Day 1, we could do an aerial search with a D7 on Day 2 and hopefully pick it up. This would require about 5000 mAH at 6V with my present setup.

73 de Mark N9XTN

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2476. RE: [tvnsp] Locator beacon

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-03 21:36:14 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2442 Message: 2476

The transmitter I made uses the fifth harmonic from a clock crystal.
It's very low power, which is why I never used them seriously.

Paul

> That seems about right, given some schematics I dimly remember. My only
> question here would be to ask, how much would it complicate things to move
> it to 2m instead of 10m, and dump it into the low end of the 2m band? 2m
> would help localize it more, plus have the advantage of requiring a smaller
> antenna, I think? I still believe that for this recovery beacon, it should
> be triggerable rather than just sit there beaconing away.
>
> I don't get QST, but I'm going to ask around and see if anyone has a copy I
> can check out.
>
> Bill B.
>
> > -----Original Message-----
> > From: n1ltv [mailto:n1ltv@...]
> > Sent: Wednesday, April 03, 2002 12:54 PM
> > To: tvnsp@yahoogroups.com
> > Subject: [tvnsp] Locator beacon
> >
> >
> > The locator beacon can be made from ONE off the shelf
> > component as the RF generator: a simple clock
> > oscillator.
> >
> > Now before you scoff, look up around April or May 2001
> > in QST magazine and you'll see how Pierre Thompson's
> > balloon payload that landed near ARRL headquarters
> > was located by RDFing on just such a signal.
>
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2477. Re: [tvnsp] My .02 worth + Notes

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-03 21:44:25 UTC
From: John Knapp
Topic: 2442 Message: 2477

Paul, I can track on 440 but will not be available for
any launch until May 18.

John the elder
--- verhap@... wrote:
> In summary, I believe that cold, coupled with use of
> temperature
> sensitive alkaline batteries, were the cause of the
> failures. Can't
> prove any of this until we find the capsule, but I
> believe this is a
> plausible explanation. The solutions are simple. Fly
> non
> temperature sensitive batteries in a redundant
> configuration and of
> sufficient voltage to compensate for the predictable
> loss of
> capacity from the cold.
>
> Just my .02 worth. Hope this at least spurs some
> consideration
> and discussion. I know, I know, shut up and get back
> in the
> kitchen. ;-)
>
>
> I see nothing wrong with Stephanie's hypothesis.
> Past flights used
> military surplus lithiums. I stopped using them
> because they're
> becoming rarer and more expensive. Also, there have
> been some
> problems with them due to their age. So Stephanie,
> you're not
> banished to the kitchen.
>
> I checked Walmart last night. They sell 1.5V
> lithiums at the
> camera counter in Caldwell.
>
> Using a 6.0V power supply is not a problem as long
> as you have
> the capacity. 1.5 A-hrs is suffcient capacity for
> the flight
> computer. I'd like to try a 7.2V RC battery, but it

> is nicad (but
> they're cheaper in the long run and readily
> available). A warmbox
> may be all they need.
>
> I've ordered another GPS, servo controller, cable
> for my Vertex
> HT, and some crimped coax cables. I have another TT
> and MIM
> at home, ready to be used as a flight computer.
> I'll order a BS2p
> today. Stephanie, the coax should work as DJ-S11
> coax, we'll cut
> one in half and try it out at a construction
> meeting. I've also
> started building a new airframe. I have yet to
> order a DJ-S11. I
> have a DJ-S41, which is the 440 version. Can anyone
> track on
> 440? Mike, I think you said you could.
>
> If Jeff would like to launch his tracker, we could
> make an April
> 20th launch. I'll make a 1/2 scale capsule ready
> (the one for the
> May high altitude attempt) with a camera. Jeff, let
> me know. I'll
> put the TT into the second module along with lithium
> AAs and a
> lithium 9V.
>
> If nothing else, this has added another chapter and
> a half to my
> book.
>
> Mike, will you be able to get an article to ATVQ?
> Perhaps
> someone would like to write an article on what we
> are discussing
> about this flight?
>
> Paul
>

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2478. Re: [tvnsp] Receiver current

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-03 21:50:40 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2474 Message: 2478

> We have a 29.?MHz TTL oscillator coupled into a 2m dipole that
we key on and off with a 555 oscillator.

That's the fireball transmitter I built. It's a milliwatt transmitter. I
didn't like be because of the low power. KNSP flight 98B used one
as a backup. We chased home electronics trying to find the
capsule. It's frequency and output sounded a lot like home
electronics noise.

The 555 just keys the transmitter, it's just a dead carrier. I'd like to
send CW over a more powerful version.

The design I had in mind uses a more powerful transmitter encased
in a tetrahedron. At each vertex is an antenna element and each
face is covered in a PV array. It's made to drop off a boom and
hang by a tether after the balloon bursts. No matter how it lands,
there's solar cells exposed to the sun. It basically sits on three
antenna elements with the fourth sticking straight up.

I looked at the RFM site. I didn't see transmitters in the 2m band.

Paul

2479. Radar Logs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-04 00:04:53 UTC
From: Tony Barrett
Topic: 2479 Message: 2479

Hey everybody,

Kurt Larson was saying that the military and the FAA often keep radar logs for a few days in case some plane turns up missing. These logs may be available on the internet. Do you think our balloon would show up in these logs? We know where it was at 8:06 AM Saturday morning, 77,000 feet above Swan Falls, and it wasn't far from Mountain Home AFB. I'll bet they could see it on their radar unless they don't scan this high.

Sounds like they only keep these logs for a few days, so if we want to pursue something like this we'd better jump fast.

Best regards,

Tony

2480. RE: [tvnsp] Locator beacon

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-04 00:23:47 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 2442 Message: 2480

I love the triggerable idea, because then a dog collar (for example)
could be built with a lithium battery and just idle for a long time...
low maintenance....

-----Original Message-----
From: BLOHM,BILL (HP-Boise,ex1) [mailto:bill_blohm@...]
Sent: Wednesday, April 03, 2002 1:08 PM
To: 'tvnsp@yahoogroups.com'
Subject: RE: [tvnsp] Locator beacon

That seems about right, given some schematics I dimly remember. My only
question here would be to ask, how much would it complicate things to move
it to 2m instead of 10m, and dump it into the low end of the 2m band? 2m
would help localize it more, plus have the advantage of requiring a smaller
antenna, I think? I still believe that for this recovery beacon, it should
be triggerable rather than just sit there beaconing away.

I don't get QST, but I'm going to ask around and see if anyone has a copy I
can check out.

Bill B.

> -----Original Message-----
> From: n1ltv [mailto:n1ltv@...]
> Sent: Wednesday, April 03, 2002 12:54 PM
> To: tvnsp@yahoogroups.com
> Subject: [tvnsp] Locator beacon
>
>
> The locator beacon can be made from ONE off the shelf
> component as the RF generator: a simple clock
> oscillator.
>
> Now before you scoff, look up around April or May 2001
> in QST magazine and you'll see how Pierre Thompson's
> balloon payload that landed near ARRL headquarters
> was located by RDFing on just such a signal.

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5002.1954253.3462811.1261774/D=egroupweb/S=1705083281:HM/A=1000239/R=1>

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2481. RE: [tvnsp] Receiver current

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-04 00:34:20 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 2474 Message: 2481

To my surprise....you are correct!
If you beaconed 10 seconds every 3 minutes you
would use 1/3 the power of running the RFM receiver.

With the RFM part,
when receiving it uses uses 1.8mA
while transmitting 12mA

receiving for 24 hours would use 43mA

If there were no receiver you could transmit for
3.6 hours with this much power. (rx uses 15% of
the power used for TX).

contrasted with:

a 10 second transmission every 3 minutes would use
= 200 seconds / hour duty cycle
= 200*24 seconds / day duty cycle
= 80 minutes of TX

-----Original Message-----
From: Mark Conner [mailto:n9xtn@...]
Sent: Wednesday, April 03, 2002 2:08 PM
To: tvnsp@yahoogroups.com
Subject: [tvnsp] Receiver current

The problems I see with having a triggerable beacon is that significant
battery current is needed to drive the receiver. The receiver ends up
eating as much or more of the battery than the transmitter would on a
low duty cycle. Another is that the antenna has to pick up the command
signal.

Testing should be done to see if the batteries will live longer by
transmitting periodically and having no receive capability, or
including the receiver (perhaps with some sort of power-saving
circuitry) and a commandable beacon.

One of the reasons I decided on an APRS-compatible backup was because
we have no experienced DFers in our group, or good mobile DF
equipment. To me, it was better to have something to switch to in mid-
flight that was APRS compatible rather than trying to find a non-
directional beacon either during or after the flight. Even if the
balloon went over the radio horizon on us during the chase, we could
get within a few miles and then just drive around until we picked up
posits on the ground.

I hope to eventually have a backup APRS beacon that will run 36 hours or so. That way if the worst happened and we couldn't find it with a ground search on Day 1, we could do an aerial search with a D7 on Day 2 and hopefully pick it up. This would require about 5000 mAH at 6V with my present setup.

73 de Mark N9XTN

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<http://us.adserver.yahoo.com/l?M=215002.1954253.3462811.1261774/D=egroupmail/S=1705083281:HM/A=1000239/rand=486723581>

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2482. Re: [tvnsp] Receiver current

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-04 02:59:07 UTC
From: Doug Rich
Topic: 2474 Message: 2482

At 03:08 PM 4/3/02 -0600, you wrote:
>The problems I see with having a triggerable beacon is that significant
>battery current is needed to drive the receiver. The receiver ends up
>eating as much or more of the battery than the transmitter would on a
>low duty cycle. Another is that the antenna has to pick up the command
>signal.
>
>Testing should be done to see if the batteries will live longer by
>transmitting periodically and having no receive capability, or
>including the receiver (perhaps with some sort of power-saving
>circuitry) and a commandable beacon.
>
>One of the reasons I decided on an APRS-compatible backup was because
>we have no experienced DFers in our group, or good mobile DF
>equipment. To me, it was better to have something to switch to in mid-
>flight that was APRS compatible rather than trying to find a non-
>directional beacon either during or after the flight. Even if the
>balloon went over the radio horizon on us during the chase, we could
>get within a few miles and then just drive around until we picked up
>posits on the ground.
>
>I hope to eventually have a backup APRS beacon that will run 36 hours
>or so. That way if the worst happened and we couldn't find it with a
>ground search on Day 1, we could do an aerial search with a D7 on Day 2
>and hopefully pick it up. This would require about 5000 mAH at 6V with
>my present setup.

Don't forget solar power is an option. Day after day when the sun shines.
Doug W7DVR

>73 de Mark N9XTN

2485. APRS Logs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-04 04:07:02 UTC
From: Tony Barrett
Topic: 2485 Message: 2485

Hey team,

I zipped up my log file and sent it out a couple of days ago. It looked normal going out, and it looks normal in my outbox, but I don't remember seeing it come back to me as a tvnsp yahoogroups subscriber. Did anyone get it? Still interested?

Tony

2486. Re: [tvnsp] APRS Logs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-04 05:07:16 UTC
From: Zack Clobes
Topic: 2485 Message: 2486

I got it - an 83k ZIP file received on Monday.
Zack
----- Original Message -----
From: Tony Barrett
To: tvnsp@yahoogroups.com
Sent: Wednesday, April 03, 2002 10:07 PM
Subject: [tvnsp] APRS Logs

Hey team,

I zipped up my log file and sent it out a couple of days ago. It looked normal going out, and it looks normal in my outbox, but I don't remember seeing it come back to me as a tvnsp yahoogroups subscriber. Did anyone get it? Still interested?

Tony

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2487. Re: [tvnsp] Receiver current

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-04 05:08:42 UTC
From: Zack Clobes
Topic: 2474 Message: 2487

It would be pretty frustrating to RDF it if you only have 5 minutes per hour
to take bearings.

----- Original Message -----
From: "Tony Barrett" <tonybarrett@...>
To: <tvnsp@yahoogroups.com>
Sent: Wednesday, April 03, 2002 9:59 PM
Subject: Re: [tvnsp] Receiver current

> Or you could have the receiver only turn on for 5 minutes at the top of
the
> hour or some other such scheme assuming of course that the clock circuitry
> was low powered. You'd still have to solve the antenna problem.
>
> At 03:08 PM 4/3/02 -0600, you wrote:
> >The problems I see with having a triggerable beacon is that significant
> >battery current is needed to drive the receiver. The receiver ends up
> >eating as much or more of the battery than the transmitter would on a
> >low duty cycle. Another is that the antenna has to pick up the command
> >signal.
> >
> >Testing should be done to see if the batteries will live longer by
> >transmitting periodically and having no receive capability, or
> >including the receiver (perhaps with some sort of power-saving
> >circuitry) and a commandable beacon.
> >
> >One of the reasons I decided on an APRS-compatible backup was because
> >we have no experienced DFers in our group, or good mobile DF
> >equipment. To me, it was better to have something to switch to in mid-
> >flight that was APRS compatible rather than trying to find a non-
> >directional beacon either during or after the flight. Even if the
> >balloon went over the radio horizon on us during the chase, we could
> >get within a few miles and then just drive around until we picked up
> >posits on the ground.
> >
> >I hope to eventually have a backup APRS beacon that will run 36 hours
> >or so. That way if the worst happened and we couldn't find it with a
> >ground search on Day 1, we could do an aerial search with a D7 on Day 2
> >and hopefully pick it up. This would require about 5000 mAH at 6V with
> >my present setup.
> >
> >73 de Mark N9XTN
> >
> >
> >

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>

2488. Attached and unwanted jpeg files

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-04 05:53:40 UTC
From: n1ltv
Topic: 2488 Message: 2488

Could someone try to figure out what these jpeg
files that Tony keeps sending out are?

On tonight's messages from Tony KNSP #2483 had a 37k,
#2484 had a 78k, and #2485 was clean.

He's been sending these out for months, and sometimes
they're over 100k in size. I wrote to him a few nights
about it, but I don't think he knows what if anything
can be done about it. Over the three months I checked,
it looks like about 85% of his messages have these
attachments.

I can't see anything recognizable in them.

Hank

2489. Re: [tvnsp] Radar Logs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-04 07:54:22 UTC
From: Jeff Melanson
Topic: 2479 Message: 2489

Tony,

The balloon and capsules do not reflect enough energy to be seen on radar. In fact the Cheif Inspector where I work (Western Aircraft) owns a small plane that is fabric coated. As large as it is (compared to our capsules) the tower has great difficulty finding him. He has to describe exactly where he is for the tower to be able to find him. As far as radar's go our capsule's are invisible.

Jeff
KD7INN

----- Original Message -----
From: "Tony Barrett" <tonybarrett@...>
To: <tvnsp@yahoogroups.com>
Cc: "Kurt Larson" <kclarson@...>
Sent: Wednesday, April 03, 2002 5:04 PM
Subject: [tvnsp] Radar Logs

> Hey everybody,
>
> Kurt Larson was saying that the military and the FAA often keep radar logs
> for a few days in case some plane turns up missing. These logs may be
> available on the internet. Do you think our balloon would show up in
these
> logs? We know where it was at 8:06 AM Saturday morning, 77,000 feet above
> Swan Falls, and it wasn't far from Mountain Home AFB. I'll bet they could
> see it on their radar unless they don't scan this high.
>
> Sounds like they only keep these logs for a few days, so if we want to
> pursue something like this we'd better jump fast.
>
> Best regards,
>
> Tony
>
>
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2490. Re: [tvnsp] Receiver current

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-04 15:22:25 UTC
From: John Knapp
Topic: 2474 Message: 2490

When I starting chasing balloons, the capsule had a beacon that broadcasted every two minutes. We would pick up the beacon, and two minutes later we were far enough down the road where we couldn't pick it up again. This was the capsule that was lost North of Hailey, Id. in the mountains. Even on the flats, a beacon of every two minutes could mean you could miss the signal or drive right past it. I couldn't imagine what would happen if you only had one every half hour.

We decided to have a beacon every 30 seconds, it would be easier to follow.

One thing I have noticed about these emails. I believe some of the writers do not appreciate the terrain we have to search in. There are very few very flat areas. Even what I call flat can have canyons and hills in it. The area where we searched last Saturday had gulleys and hills that prevented an unobstructed view in any direction. It is possible the capsule could land in gulley or behind a hill and not be readily seen from a road or trail (even a hiking trail).

John Knapp
KD7HGS
--- Zack Clobes <zclobes@...> wrote:
> It would be pretty frustrating to RDF it if you only
> have 5 minutes per hour
> to take bearings.
>
> ----- Original Message -----
> From: "Tony Barrett" <tonybarrett@...>
> To: <tvnsp@yahoogroups.com>
> Sent: Wednesday, April 03, 2002 9:59 PM
> Subject: Re: [tvnsp] Receiver current
>
>
> > Or you could have the receiver only turn on for 5
> minutes at the top of
> the
> > hour or some other such scheme assuming of course
> that the clock circuitry
> > was low powered. You'd still have to solve the
> antenna problem.
> >
> > At 03:08 PM 4/3/02 -0600, you wrote:

> > >The problems I see with having a triggerable
> beacon is that significant
> > >battery current is needed to drive the receiver.
> The receiver ends up
> > >eating as much or more of the battery than the
> transmitter would on a
> > >low duty cycle. Another is that the antenna has
> to pick up the command
> > >signal.
> > >
> > >Testing should be done to see if the batteries
> will live longer by
> > >transmitting periodically and having no receive
> capability, or
> > >including the receiver (perhaps with some sort of
> power-saving
> > >circuitry) and a commandable beacon.
> > >
> > >One of the reasons I decided on an
> APRS-compatible backup was because
> > >we have no experienced DFers in our group, or
> good mobile DF
> > >equipment. To me, it was better to have
> something to switch to in mid-
> > >flight that was APRS compatible rather than
> trying to find a non-
> > >directional beacon either during or after the
> flight. Even if the
> > >balloon went over the radio horizon on us during
> the chase, we could
> > >get within a few miles and then just drive around
> until we picked up
> > >posits on the ground.
> > >
> > >I hope to eventually have a backup APRS beacon
> that will run 36 hours
> > >or so. That way if the worst happened and we
> couldn't find it with a
> > >ground search on Day 1, we could do an aerial
> search with a D7 on Day 2
> > >and hopefully pick it up. This would require
> about 5000 mAH at 6V with
> > >my present setup.
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2491. beacons and terrain

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-04 16:01:59 UTC
From: n1ltv
Topic: 2474 Message: 2491

> One thing I have noticed about these emails. I believe
> some of the writers do not appreciate the terrain we
> have to search in. There are very few very flat areas.
> Even what I call flat can have canyons and hills in
> it. The area where we searched last Saturday had
> gulleys and hills that prevented an unobstructed view
> in any direction. It is possible the capsule could
> land in gulley or behind a hill and not be readily
> seen from a road or trail (even a hiking trail).

I'm appreciating the terrain as best I can by looking
it over on a Garmin computer topo map, but it would be
nice if someone would be able to take a few pictures of
a search area to upload to the TVNSP files area.

I'd especially like to see some classic butte coverage. :)

With these low power beacons being discussed, they're of
great value for airborne searches. If you get a signal,
at least you know your payload has not sunk in a pond, and
the airplane, even if it doesn't sight the payload, might be
able to localize somewhat for the dispatch of a land search.

The Connecticut terrain which was the subject of the April
2001 balloon recovery story was by no means flat.

Hank

2492. Re: beacons and terrain

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-04 16:06:54 UTC
From: n1ltv
Topic: 2474 Message: 2492

That's the April 2001 QST balloon recovery story.

2493. parachute color

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-04 16:34:02 UTC
From: n1ltv
Topic: 2493 Message: 2493

I believe this queation was asked before but
not answered:

What color is the parachute?

2494. RE: [tvnsp] beacons and terrain

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-04 16:35:38 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 2474 Message: 2494

here are some pics of grand view

http://owyheecounty.net/communities/grand-view/recreation.htm
<http://owyheecounty.net/communities/grand-view/recreation.htm>

-----Original Message-----
From: n1ltv [mailto:n1ltv@...]
Sent: Thursday, April 04, 2002 9:02 AM
To: tvnsp@yahoogroups.com
Subject: [tvnsp] beacons and terrain

> One thing I have noticed about these emails. I believe
> some of the writers do not appreciate the terrain we
> have to search in. There are very few very flat areas.
> Even what I call flat can have canyons and hills in
> it. The area where we searched last Saturday had
> gulleys and hills that prevented an unobstructed view
> in any direction. It is possible the capsule could
> land in gulley or behind a hill and not be readily
> seen from a road or trail (even a hiking trail).

I'm appreciating the terrain as best I can by looking
it over on a Garmin computer topo map, but it would be
nice if someone would be able to take a few pictures of
a search area to upload to the TVNSP files area.

I'd especially like to see some classic butte coverage. :)

With these low power beacons being discussed, they're of
great value for airborne searches. If you get a signal,
at least you know your payload has not sunk in a pond, and
the airplane, even if it doesn't sight the payload, might be
able to localize somewhat for the dispatch of a land search.

The Connecticut terrain which was the subject of the April
2001 balloon recovery story was by no means flat.

Hank

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2495. Re: [tvnsp] parachute color

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-04 16:54:35 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2493 Message: 2495

Red and yellow

Paul

> I believe this queation was asked before but
> not answered:
>
> What color is the parachute?

2496. RE: [tvnsp] Receiver current

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-04 18:12:34 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 2474 Message: 2496

Be aware, too, that even if you can get a Lat/Long GPS reading from the flight search, you may well need to do some careful study of the area maps and make your own road into where the package landed. I have driven from Swan Falls to Grandview cross country on the north side. If you must, you can follow the power line in and over to the rim, and usually find a way down from there to the lower area between cliffs and river. You may not be able to get down right above the package. You can also access the lower area directly from the highway between Mountain Home and Grandview, but I seriously doubt you can run the whole area that way. A brief look at the time seemed to indicate the area east of this highway is similar.

Bill B.

> -----Original Message-----
> One thing I have noticed about these emails. I believe
> some of the writers do not appreciate the terrain we
> have to search in. There are very few very flat areas.
> Even what I call flat can have canyons and hills in
> it. The area where we searched last Saturday had
> gulleys and hills that prevented an unobstructed view
> in any direction. It is possible the capsule could
> land in gulley or behind a hill and not be readily
> seen from a road or trail (even a hiking trail).
>
> John Knapp
> KD7HGS
>

2497. Any new landing positions?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-04 19:03:12 UTC
From: kd7pit
Topic: 2497 Message: 2497

I was wondering if anyone has any new info as to where the capsules might have landed using the new descent rate. I was thinking about going out this weekend if time & weather allows and do some mt. biking with my girlfriend and Ben. If someone can give a lat & long of the burst AND possible landing, I can load that as waypoints on my GPS and ride around and between thoses points. Maybe get into areas that vehicles can not. Thanks.

Justin KD7PIT

2498. Re: [tvnsp] My .02 worth + Notes

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-04 19:31:53 UTC
From: randy farley
Topic: 2442 Message: 2498

I can do 440,but i would think 2M is better for our
terrain.
Just thinking when the capsule lands it is nice to have the
best chance for good RF range. If we were flat landers,i
might consider 440. ;)

On Wed, 3 Apr 2002 13:44:25 -0800 (PST)
John Knapp <kd7hgs@...> wrote:
> Paul, I can track on 440 but will not be available for
> any launch until May 18.
>
> John the elder
> --- verhap@... wrote:
> > In summary, I believe that cold, coupled with use of
> > temperature
> > sensitive alkaline batteries, were the cause of the
> > failures. Can't
> > prove any of this until we find the capsule, but I
> > believe this is a
> > plausible explanation. The solutions are simple. Fly
> > non
> > temperature sensitive batteries in a redundant
> > configuration and of
> > sufficient voltage to compensate for the predictable
> > loss of
> > capacity from the cold.
> >
> > Just my .02 worth. Hope this at least spurs some
> > consideration
> > and discussion. I know, I know, shut up and get back
> > in the
> > kitchen. ;-)
> >
> >
> > I see nothing wrong with Stephanie's hypothesis.
> > Past flights used
> > military surplus lithiums. I stopped using them
> > because they're
> > becoming rarer and more expensive. Also, there have
> > been some
> > problems with them due to their age. So Stephanie,
> > you're not
> > banished to the kitchen.
> >
> > I checked Walmart last night. They sell 1.5V

> > lithiums at the
> > camera counter in Caldwell.
> >
> > Using a 6.0V power supply is not a problem as long
> > as you have
> > the capacity. 1.5 A-hrs is suffcient capacity for
> > the flight
> > computer. I'd like to try a 7.2V RC battery, but it
> > is nicad (but
> > they're cheaper in the long run and readily
> > available). A warmbox
> > may be all they need.
> >
> > I've ordered another GPS, servo controller, cable
> > for my Vertex
> > HT, and some crimped coax cables. I have another TT
> > and MIM
> > at home, ready to be used as a flight computer.
> > I'll order a BS2p
> > today. Stephanie, the coax should work as DJ-S11
> > coax, we'll cut
> > one in half and try it out at a construction
> > meeting. I've also
> > started building a new airframe. I have yet to
> > order a DJ-S11. I
> > have a DJ-S41, which is the 440 version. Can anyone
> > track on
> > 440? Mike, I think you said you could.
> >
> > If Jeff would like to launch his tracker, we could
> > make an April
> > 20th launch. I'll make a 1/2 scale capsule ready
> > (the one for the
> > May high altitude attempt) with a camera. Jeff, let
> > me know. I'll
> > put the TT into the second module along with lithium
> > AAs and a
> > lithium 9V.
> >
> > If nothing else, this has added another chapter and
> > a half to my
> > book.
> >
> > Mike, will you be able to get an article to ATVQ?
> > Perhaps
> > someone would like to write an article on what we
> > are discussing
> > about this flight?
> >
> > Paul

> >
>
>
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regards,

Randy

2499. Re: [tvnsp] APRS Logs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-04 19:48:42 UTC
From: randy farley
Topic: 2485 Message: 2499

I got mine fine Tony thanks.
You will probably get two of these
in trade ;)

On Wed, 03 Apr 2002 21:07:02 -0700
Tony Barrett <tonybarrett@...> wrote:
> Hey team,
>
> I zipped up my log file and sent it out a couple of days
> ago. It looked
> normal going out, and it looks normal in my outbox, but I
> don't remember
> seeing it come back to me as a tvnsp yahoogroups
> subscriber. Did anyone
> get it? Still interested?
>
> Tony
>
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regards,

Randy

2500. Re: [tvnsp] Any new landing positions?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-04 19:52:02 UTC
From: Hank Riley
Topic: 2497 Message: 2500

> I was wondering if anyone has any new info as to where the
> capsules might have landed using the new descent rate.

I'll have something later today. The careful reconstruction
of the winds up to 23k feet and getting all the facts straight
about this flight has taken considerable time. I think I might
have discovered some small inaccuracies in BallTrack.

The file I uploaded for the Saturday 12 UTC winds was actually
for a later time, so that needs to be fixed, too.

Hank

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2501. Re: [tvnsp] Attached and unwanted jpeg files

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-04 20:00:31 UTC
From: randy farley
Topic: 2488 Message: 2501

Hmmm...Not sure what you are referring too Hank.
I have never received anything like that from Toni.
His logs came thru fine here. Maybe service provider
problem? How is eveyone else doing?

On Thu, 04 Apr 2002 05:53:40 -0000
"n1ltv" <n1ltv@...> wrote:
> Could someone try to figure out what these jpeg
> files that Tony keeps sending out are?
>
> On tonight's messages from Tony KNSP #2483 had a 37k,
> #2484 had a 78k, and #2485 was clean.
>
> He's been sending these out for months, and sometimes
> they're over 100k in size. I wrote to him a few nights
> about it, but I don't think he knows what if anything
> can be done about it. Over the three months I checked,
> it looks like about 85% of his messages have these
> attachments.
>
> I can't see anything recognizable in them.
>
> Hank
>
>
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>

regards,

Randy

2502. Subject should match body of message.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-04 20:01:45 UTC
From: Jeff Melanson
Topic: 2502 Message: 2502

Hi All,

Just a freindly reminder that the subject line should reflect what's in the message. If we can do that it makes it much easier to search older messages.

Thanks,
Jeff
KD7INN

2503. RE: [tvnsp] Attached and unwanted jpeg files

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-04 20:04:12 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 2488 Message: 2503

happens to me too.

he has 2 attachments on every email.
one is a jpg image of SSTV it looks like
the other is not anything i recognize.

As well as.... his email is in an
"attachment" form... I don't even read his
anymore.... Takes too long.

-----Original Message-----
From: randy farley [mailto:rdfarley@...]
Sent: Thursday, April 04, 2002 1:01 PM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] Attached and unwanted jpeg files

Hmmm...Not sure what you are referring too Hank.
I have never received anything like that from Toni.
His logs came thru fine here. Maybe service provider
problem? How is eveyone else doing?

On Thu, 04 Apr 2002 05:53:40 -0000
"n1ltv" <n1ltv@...> wrote:
> Could someone try to figure out what these jpeg
> files that Tony keeps sending out are?
>
> On tonight's messages from Tony KNSP #2483 had a 37k,
> #2484 had a 78k, and #2485 was clean.
>
> He's been sending these out for months, and sometimes
> they're over 100k in size. I wrote to him a few nights
> about it, but I don't think he knows what if anything
> can be done about it. Over the three months I checked,
> it looks like about 85% of his messages have these
> attachments.
>
> I can't see anything recognizable in them.
>
> Hank
>
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regards,

Randy

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81:HM/A=879171/R=0/*http://www.fastweb.com/ib/yahoo-57f>

<http://us.adserver.yahoo.com/l?M=178320.1964497.3448863.1261774/D=egroupmai
l/S=1705083281:HM/A=879171/rand=837751531>

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2504. Re: [tvnsp] Attached and unwanted jpeg files

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-04 20:05:53 UTC
From: Jeff Melanson
Topic: 2488 Message: 2504

Hi Hank,

I have seen these attachments but have not tried to open them because Tony
did not mention that they should be there.

Jeff
KD7INN

randy farley wrote:

> Hmmm...Not sure what you are referring too Hank.
> I have never received anything like that from Toni.
> His logs came thru fine here. Maybe service provider
> problem? How is eveyone else doing?
>
> On Thu, 04 Apr 2002 05:53:40 -0000
> "n1ltv" <n1ltv@...> wrote:
> > Could someone try to figure out what these jpeg
> > files that Tony keeps sending out are?
> >
> > On tonight's messages from Tony KNSP #2483 had a 37k,
> > #2484 had a 78k, and #2485 was clean.
> >
> > He's been sending these out for months, and sometimes
> > they're over 100k in size. I wrote to him a few nights
> > about it, but I don't think he knows what if anything
> > can be done about it. Over the three months I checked,
> > it looks like about 85% of his messages have these
> > attachments.
> >
> > I can't see anything recognizable in them.
> >
> > Hank
> >
> >
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> >

>
> regards,
>
> Randy
>
>
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>
>
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2505. Re: [tvnsp] Backup transmitter/Garmin 35 GPS engine

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-04 20:21:20 UTC
From: Jeff Melanson
Topic: 2466 Message: 2505

Zack,

Do you have to call them to order directly from them? All I can find on there website is a list of dealers.

Jeff
KD7INN

----- Original Message -----
From: Zack Clobes
To: tvnsp@yahoogroups.com
Sent: Wednesday, April 03, 2002 12:50 PM
Subject: [tvnsp] Backup transmitter/Garmin 35 GPS engine

We are just beginning to start development on a small, low power 2m transmitter that we hope to be able to build for under $50. It is based on the Motorola MC2833 (I've got a spec sheet if anyone needs it). The chip I believe has been discontinued but can still be purchased from www.oselectronics.com among others.

Secondly, we checked on Garmin 35-HVS/LVS units today. They can be purchased directly from Garmin (with a credit card) for $135/$130 respectively. However, they said that the HVS units are backordered into August.

Zack Clobes, W0ZC
Project: Traveler

2506. Re: Attached and unwanted jpeg files

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-04 20:23:01 UTC
From: n1ltv
Topic: 2488 Message: 2506

RF> Hmmm...Not sure what you are referring too Hank.

RF> I have never received anything like that from Toni.
> >
HR> > On tonight's messages from Tony KNSP #2483 had a 37k,
HR> > #2484 had a 78k, and #2485 was clean.

Randy,

Those message numbers refer to the knsp yahoogroups
website. Please check

http://www.yahoogroups.com

at the TVNSP area, and you'll see dozens of emails from Tony
that have attachments as big as 120k bytes.

Now others on list are mnetioning they indeed have been
getting them.

Hank

2507. Re: Subject should match body and other reminders

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-04 20:31:06 UTC
From: n1ltv
Topic: 2502 Message: 2507

That's correct.

I changed "receiver current" caption to "beacons
and terrain" in order to more accurately reflect
the topic.

Another thing which is cropping up is replies that
quite *several layers" of old messages. Please
don't do this.

It only takes a second to trim that junk off. True,
it doesn't take long to scroll through the junk,
but sometimes a valid post will have *new* comments
embedded in the old stuff.

That means that if you want to not miss something
you have to wade through the junk to see if something
new is embedded in it by a careless poster.

Hank

2508. Capsule upgrade

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-04 20:34:28 UTC
From: Jeff Melanson
Topic: 2508 Message: 2508

Paul wrote:

If Jeff would like to launch his tracker, we could make an
April
20th launch. I'll make a 1/2 scale capsule ready (the one
for the
May high altitude attempt) with a camera. Jeff, let me
know. I'll
put the TT into the second module along with lithium AAs and
a
lithium 9V.

Paul,

I don't think I can be ready for a flight that quickly. I need to make some changes to my capsule. I'm going to buy the Garmin 35 and replace the Etrex. I've had the Etrex shut down on me when using it to track my wife's car on a trip to Salt Lake City. I no longer trust it. In addition I'm going to remove the video camera and add a backup beacon. I'm also going to use batteries with more capacity. After I add the new items and build the new wiring harness I need time to test the package. For these reasons it would be to difficult to commit to a launch date. We can discuss the details at the next TVNSP meeting this Sunday.

Jeff
KD7INN

2509. Re: [tvnsp] Backup transmitter/Garmin 35 GPS engine

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-04 20:40:07 UTC
From: Zack Clobes
Topic: 2466 Message: 2509

Yes, call Garmin. I think you have to ask for their avionics department or something. Make sure you specify that you're looking for an OEM product (the GPS 35).

Zack
----- Original Message -----
From: Jeff Melanson
To: tvnsp@yahoogroups.com
Sent: Thursday, April 04, 2002 2:21 PM
Subject: Re: [tvnsp] Backup transmitter/Garmin 35 GPS engine

Zack,

Do you have to call them to order directly from them? All I can find on there website is a list of dealers.

Jeff
KD7INN

----- Original Message -----
From: Zack Clobes
To: tvnsp@yahoogroups.com
Sent: Wednesday, April 03, 2002 12:50 PM
Subject: [tvnsp] Backup transmitter/Garmin 35 GPS engine

We are just beginning to start development on a small, low power 2m transmitter that we hope to be able to build for under $50. It is based on the Motorola MC2833 (I've got a spec sheet if anyone needs it). The chip I believe has been discontinued but can still be purchased from www.oselectronics.com among others.

Secondly, we checked on Garmin 35-HVS/LVS units today. They can be purchased directly from Garmin (with a credit card) for $135/$130 respectively. However, they said that the HVS units are backordered into August.

Zack Clobes, W0ZC
Project: Traveler

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2510. Re: [tvnsp] Re: Attached and unwanted jpeg files

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-04 20:41:48 UTC
From: Zack Clobes
Topic: 2488 Message: 2510

I have been receiving them lately also. The one message that I looked at did look something like SSTV (some garbled picture with a line through it) and the second was considerably smaller and didn't appear to be in JPG format (or clear text for that matter). My virus scanner didn't mark them as being fishy or anything though.
Zack
----- Original Message -----
From: n1ltv
To: tvnsp@yahoogroups.com
Sent: Thursday, April 04, 2002 2:23 PM
Subject: [tvnsp] Re: Attached and unwanted jpeg files

RF> Hmmm...Not sure what you are referring too Hank.

RF> I have never received anything like that from Toni.
> >
HR> > On tonight's messages from Tony KNSP #2483 had a 37k,
HR> > #2484 had a 78k, and #2485 was clean.

Randy,

Those message numbers refer to the knsp yahoogroups
website. Please check

http://www.yahoogroups.com

at the TVNSP area, and you'll see dozens of emails from Tony
that have attachments as big as 120k bytes.

Now others on list are mnetioning they indeed have been
getting them.

Hank

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2511. Re: [tvnsp] Re: Attached and unwanted jpeg files

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-04 20:38:37 UTC
From: Doug Rich
Topic: 2488 Message: 2511

The only attachment I have received from Tony was the zipped log files.
Doug W7DVR
At 08:23 PM 4/4/02 +0000, you wrote:
>RF> Hmmm...Not sure what you are referring too Hank.
>
>RF> I have never received anything like that from Toni.
> > >
>HR> > On tonight's messages from Tony KNSP #2483 had a 37k,
>HR> > #2484 had a 78k, and #2485 was clean.
>
>Randy,
>
>Those message numbers refer to the knsp yahoogroups
>website. Please check
>
> http://www.yahoogroups.com
>
>at the TVNSP area, and you'll see dozens of emails from Tony
>that have attachments as big as 120k bytes.
>
>Now others on list are mnetioning they indeed have been
>getting them.
>
>Hank
>
>
>
>
>
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2512. RE: [tvnsp] Re: Attached and unwanted jpeg files

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-04 23:48:11 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 2488 Message: 2512

I"ve been seeing the attachments Hank's been referring to as well. They
appear to be one or two JPEG files, but so chopped it's hard to tell what
they are. Look like some kind of window shot with an iconic taskbar across
the top, a white field below.

Bill B.

-----Original Message-----
From: Doug Rich [mailto:doug@...]
Sent: Thursday, April 04, 2002 1:39 PM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] Re: Attached and unwanted jpeg files

The only attachment I have received from Tony was the zipped log files. Doug
W7DVR
At 08:23 PM 4/4/02 +0000, you wrote:

RF> Hmmm...Not sure what you are referring too Hank.

RF> I have never received anything like that from Toni.
> >
HR> > On tonight's messages from Tony KNSP #2483 had a 37k,
HR> > #2484 had a 78k, and #2485 was clean.

Randy,

Those message numbers refer to the knsp yahoogroups
website. Please check

http://www.yahoogroups.com <http://www.yahoogroups.com/>

at the TVNSP area, and you'll see dozens of emails from Tony
that have attachments as big as 120k bytes.

Now others on list are mnetioning they indeed have been
getting them.

Hank

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2513. Re: [tvnsp] Re: Attached and unwanted jpeg files

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-05 01:21:32 UTC
From: Randy Farley
Topic: 2488 Message: 2513

Ok, i see them (opened my other good eye). I usually ignore
attachments unless they are referred to by the sender. No biggy i
thought.

I Just figured it was something Yahoo was doing to further enhance
their advertisement prowess. I noticed at the end of David's post
Yahoo is mentioned each time with a sales pitch. I just wrote it off
as a Yahoo thing since they are our sponsor. This is my first long
association with them through this group. I have shyed away from the
big "Y" in the past because i did not like so many pop up's from them.

Getting off topic here so thanks. Back to ballooning.

PS Sorry Tony,Just noticed i mispelled your name on the initial reply
to Hank. You can call me Randi :)

n1ltv wrote:
>
> RF> Hmmm...Not sure what you are referring too Hank.
>
> RF> I have never received anything like that from Toni.
> > >
> HR> > On tonight's messages from Tony KNSP #2483 had a 37k,
> HR> > #2484 had a 78k, and #2485 was clean.
>
> Randy,
>
> Those message numbers refer to the knsp yahoogroups
> website. Please check
>
> http://www.yahoogroups.com
>
> at the TVNSP area, and you'll see dozens of emails from Tony
> that have attachments as big as 120k bytes.
>
> Now others on list are mnetioning they indeed have been
> getting them.
>
> Hank
>
>
>

2514. OT: Re: [tvnsp] Re: Attached and unwanted jpeg files

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-05 03:32:29 UTC
From: Bill Herrmann
Topic: 2488 Message: 2514

At 06:21 PM 4/4/02 -0700, you wrote:
>I Just figured it was something Yahoo was doing to further enhance
>their advertisement prowess.

To the best of my knowledge it is. It's worse on some messages because of the format they're sent in. If a given message is sent as "plain text" the attached advertisement is also plain text. If it is sent as HTML or other format then the attached advertisement includes graphics and is MUCH bigger.

The people who aren't seeing the bigger messages probably have their Yahoo profile set to only receive plain text messages so they see the plain text version which is smaller. Those seeing it either have left their Yahoo profile at the default (allow all message formats) or like me don't have a Yahoo profile.

The best solution is for all of us to make sure to send plain text messages only. Unfortunately, some mail clients (especially Microsoft ones) make that difficult. Microsoft made a very poor choice for the default message format. Worse yet, even if you change it the darn programs use whatever format the original message was in if you reply to a message.

As a listowner (I help run an 1100+ member list) I can tell you firsthand that HTML format is a terrible choice. A message such as this one would be 3 to 5 times larger if I were to send it in HTML format even if I did NO special formatting whatsoever. Not only does it include some really poorly optimized HTML but it also contains 2 complete copies of the message. (one in plain text and one in HTML.) Personally, we not only banned HTML on our list, but we put an automated filter in place to stop messages that contain it from reaching the list.

All of us can do our part by (a) making sure our mail client is set to send plain text and (b) making sure any answer we send is in plain text.

Note: You can find details on switching your message format at
http://helpdesk.rootsweb.com/listadmins/plaintext.html

Bill

2515. Re: [tvnsp] Radar Logs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-05 04:38:12 UTC
From: Tony Barrett
Topic: 2479 Message: 2515
Attachments: 2 described; binary payloads are missing from this source WARC

Radar reflectors that would light up a radar scope like a Christmas tree
are cheap and easy to build, totally passive, and don't weigh much. Seems
like cheap insurance. I recommend we make it SOP to never launch without
one.

At 12:54 AM 4/4/02 -0700, you wrote:
>Tony,
>
>The balloon and capsules do not reflect enough energy to be seen on radar.
>In fact the Cheif Inspector where I work (Western Aircraft) owns a small
>plane that is fabric coated. As large as it is (compared to our capsules)
>the tower has great difficulty finding him. He has to describe exactly where
>he is for the tower to be able to find him. As far as radar's go our
>capsule's are invisible.
>
>Jeff
>KD7INN
>
>----- Original Message -----
>From: "Tony Barrett" <tonybarrett@...>
>To: <tvnsp@yahoogroups.com>
>Cc: "Kurt Larson" <kclarson@...>
>Sent: Wednesday, April 03, 2002 5:04 PM
>Subject: [tvnsp] Radar Logs
>
>
> > Hey everybody,
> >
> > Kurt Larson was saying that the military and the FAA often keep radar logs
> > for a few days in case some plane turns up missing. These logs may be
> > available on the internet. Do you think our balloon would show up in
>these
> > logs? We know where it was at 8:06 AM Saturday morning, 77,000 feet above
> > Swan Falls, and it wasn't far from Mountain Home AFB. I'll bet they could
> > see it on their radar unless they don't scan this high.
> >
> > Sounds like they only keep these logs for a few days, so if we want to
> > pursue something like this we'd better jump fast.
> >
> > Best regards,
> >
> > Tony
> >
> >

> >
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> >
> >
> >
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>
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>
>
>
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><http://docs.yahoo.com/info/terms/>Yahoo! Terms of Service.

2517. Re: [tvnsp] Radar Logs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-05 05:12:20 UTC
From: Mark Conner
Topic: 2479 Message: 2517

Does anybody know that even if a reflector provide enough energy to make a primary return on the radar, would the FAA be willing to provide any tracking information to help with recovery? My guess is that it would cost the FAA close to the equivalent of the payload's cost in terms of labor, etc., to get the data, run it back through a system that can review it, figure out which blip to track, and follow it to the end of the flight. I'm not sure if they'd do it unless there was some safety issue involved. Maybe there's more automation to the process than I think there is, but a lot of the FAA stuff is 70s or early 80s vintage at best.

A lot of the Internet stuff available is based on ACARS, not FAA tracking data. If there's no transponder, I think the FAA's process would be rather labor-intensive.

- Mark

----- Original Message -----
From: "Tony Barrett" <tonybarrett@...>
To: <tvnsp@yahoogroups.com>
Sent: Thursday, April 04, 2002 22:38
Subject: Re: [tvnsp] Radar Logs

> Radar reflectors that would light up a radar scope like a Christmas tree
> are cheap and easy to build, totally passive, and don't weigh much. Seems
> like cheap insurance. I recommend we make it SOP to never launch without
> one.
>
> At 12:54 AM 4/4/02 -0700, you wrote:
> >Tony,
> >
> >The balloon and capsules do not reflect enough energy to be seen on radar.
> >In fact the Cheif Inspector where I work (Western Aircraft) owns a small
> >plane that is fabric coated. As large as it is (compared to our capsules)
> >the tower has great difficulty finding him. He has to describe exactly where
> >he is for the tower to be able to find him. As far as radar's go our
> >capsule's are invisible.

> >
> >Jeff
> >KD7INN
> >
> >----- Original Message -----
> >From: "Tony Barrett" <tonybarrett@...>
> >To: <tvnsp@yahoogroups.com>
> >Cc: "Kurt Larson" <kclarson@...>
> >Sent: Wednesday, April 03, 2002 5:04 PM
> >Subject: [tvnsp] Radar Logs
> >
> >
> > > Hey everybody,
> > >
> > > Kurt Larson was saying that the military and the FAA often keep radar logs
> > > for a few days in case some plane turns up missing. These logs may be
> > > available on the internet. Do you think our balloon would show up in
> >these
> > > logs? We know where it was at 8:06 AM Saturday morning, 77,000 feet above
> > > Swan Falls, and it wasn't far from Mountain Home AFB. I'll bet they could
> > > see it on their radar unless they don't scan this high.
> > >
> > > Sounds like they only keep these logs for a few days, so if we want to
> > > pursue something like this we'd better jump fast.
> > >
> > > Best regards,
> > >
> > > Tony

2518. Improved landing zone estimate with maps

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-05 07:56:54 UTC
From: Hank Riley
Topic: 2518 Message: 2518
Attachments: 2 described; binary payloads are missing from this source WARC

This shows my current guess for a landing zone. It's a zone rather than a spot because there are so many unknowns.

This is based on a corrected composite wind file, but the main thing to notice is that the descent speed of the parachute makes a huge difference. It's more important than burst altitude. So the landing zone is longer than it is wide.

The three earlier points from Sunday's prediction are noted even though they were based on a faulty descent speed of 1400 feet/minute and being placed a little too far west. This result is very similar to the one posted by John S., so using the refined composite wind file didn't make a whole lot of difference. Using the correct parachute speed did.

The three new reference spots, all in the Strike Reservoir area, are as follows (from north to south):

1200 ft/minute, 80k burst 42.98 north, 115.97 west

1200 ft/minute, 85k burst 42.96 north, 115.93 west

1000 ft/minute, 85k burst 42.91 north, 115.86 west

Hank

_____
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http://www.hotmail.com

2519. Re: [tvnsp] Re: Attached and unwanted jpeg files

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-05 12:14:06 UTC
From: Tim Rynearson
Topic: 2488 Message: 2519
Attachments: 2 described; binary payloads are missing from this source WARC

....and there's nothing wrong with being called Randi, according to my
daughter.

Tim, N7UBO

-------Original Message-------

From:tvnsp@yahoogroups.com
Date: Thursday, April 04, 2002 05:47:02 PM
To:tvnsp@yahoogroups.com
Subject: Re: [tvnsp] Re: Attached and unwanted jpeg files

Ok, i see them (opened my other good eye). I usually ignore
attachments unless they are referred to by the sender. No biggy i
thought.

I Just figured it was something Yahoo was doing to further enhance
their advertisement prowess. I noticed at the end of David's post
Yahoo is mentioned each time with a sales pitch. I just wrote it off
as a Yahoo thing since they are our sponsor. This is my first long
association with them through this group. I have shyed away from the
big "Y" in the past because i did not like so many pop up's from them.

Getting off topic here so thanks. Back to ballooning.

PS Sorry Tony,Just noticed i mispelled your name on the initial reply
to Hank. You can call me Randi :)

n1ltv wrote:
>
> RF> Hmmm...Not sure what you are referring too Hank.
>
> RF> I have never received anything like that from Toni.
> > >
> HR> > On tonight's messages from Tony KNSP #2483 had a 37k,
> HR> > #2484 had a 78k, and #2485 was clean.
>
> Randy,
>
> Those message numbers refer to the knsp yahoogroups
> website. Please check
>
> http://www.yahoogroups.com
>
> at the TVNSP area, and you'll see dozens of emails from Tony
> that have attachments as big as 120k bytes.

>
> Now others on list are mnetioning they indeed have been
> getting them.
>
> Hank
>
>
>

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.

2520. Re: [tvnsp] Radar Logs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-05 14:20:15 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2479 Message: 2520

I agree, I think the FAA is going to ignore it. Putting a reflector on the balloon gives us nothing unless the FAA asks for it (as in flying heavier payloads).

Paul

> Does anybody know that even if a reflector provide enough energy
> to make a primary return on the radar, would the FAA be willing
> to provide any tracking information to help with recovery? My
> guess is that it would cost the FAA close to the equivalent of
> the payload's cost in terms of labor, etc., to get the data, run
> it back through a system that can review it, figure out which
> blip to track, and follow it to the end of the flight. I'm not
> sure if they'd do it unless there was some safety issue involved.
> Maybe there's more automation to the process than I think there
> is, but a lot of the FAA stuff is 70s or early 80s vintage at
> best.

2521. A Phone Call & Improved landing zone estimate with maps

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-05 14:30:57 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2518 Message: 2521

> This shows my current guess for a landing zone. It's a zone
> rather than a spot because there are so many unknowns.

Hank, I can't read the text on your GIF, I see blank circles.

After classes yesterday I checked my phone messages. I had a voice mail. Not to get your hopes too high, but the caller said the following....

"Paul, I think I found your balloon. It got run over by a tractor, so it's not in the best shape. I'm at work right now"

The person did not leave a name or phone number. I have no idea if this is our balloon or a NWS balloon. I haven't recieved a second call yet. I must of accidently deleted the message rather than saving it.

Mike, did you post my name and phone numbers with your posters or your's? Hank, can I get a new GIF? I'd like to find out which predicted landing spot is near a farm (perhaps they all are).

Paul

2522. Warhawk Museum?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-05 14:35:14 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2522 Message: 2522

Does anyone want to spent some time at the Warhawk Museum?
Tommorow is their open house.

Paul

2523. Re: [tvnsp] A Phone Call & Improved landing zone estimate with maps

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-05 16:17:04 UTC
From: Jeff Melanson
Topic: 2518 Message: 2523

Paul,

Does your cell phone keep a record of phone numbers that
called you? Mine does. If not maybe your service provider
does.

Jeff
KD7INN

verhap@... wrote:
>
> > This shows my current guess for a landing zone. It's a zone
> > rather than a spot because there are so many unknowns.
>
> Hank, I can't read the text on your GIF, I see blank circles.
>
> After classes yesterday I checked my phone messages. I had a
> voice mail. Not to get your hopes too high, but the caller said the
> following....
>
> "Paul, I think I found your balloon. It got run over by a tractor, so
> it's not in the best shape. I'm at work right now"
>
> The person did not leave a name or phone number. I have no idea
> if this is our balloon or a NWS balloon. I haven't recieved a second
> call yet. I must of accidently deleted the message rather than
> saving it.
>
> Mike, did you post my name and phone numbers with your posters
> or your's? Hank, can I get a new GIF? I'd like to find out which
> predicted landing spot is near a farm (perhaps they all are).
>
> Paul
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

2524. Re: [tvnsp] A Phone Call & Improved landing zone estimate with maps

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-05 16:24:44 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2518 Message: 2524

Mine is Verizon. They open at 10:00.
Paul

>
> Does your cell phone keep a record of phone numbers that
> called you? Mine does. If not maybe your service provider
> does.

2525. RE: [tvnsp] Attached and unwanted jpeg files

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-05 16:30:35 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 2488 Message: 2525

Tony, I'm in 1 upper post P5,
if you come find me, I'll leave one of your messages
in my inbox so you can see what we see....

> -----Original Message-----
> From: Tony Barrett [mailto:tonybarrett@...]
> Sent: Thursday, April 04, 2002 9:53 PM
> To: tvnsp@yahoogroups.com
> Subject: RE: [tvnsp] Attached and unwanted jpeg files
>
>
>

2526. RE: [tvnsp] A Phone Call & Improved landing zone estimate with ma ps

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-05 16:32:57 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 2526 Message: 2526

at least it will be on your bill... I think the billing
cycle ends on the 20th....

-----Original Message-----
From: verhap@... [mailto:verhap@...]
Sent: Friday, April 05, 2002 2:25 AM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] A Phone Call & Improved landing zone estimate with maps

Mine is Verizon. They open at 10:00.
Paul

>
> Does your cell phone keep a record of phone numbers that
> called you? Mine does. If not maybe your service provider
> does.

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<http://rd.yahoo.com/M=215002.1954253.3462811.1261774/D=egroupweb/S=17050832
81:HM/A=1000239/R=0/*http://ads.x10.com/?bHlhaG9vaG0xLmRhd=1018023996%3eM=21
5002.1954253.3462811.1261774/D=egroupweb/S=1705083281:HM/A=1000239/R=1>

<http://us.adserver.yahoo.com/l?M=215002.1954253.3462811.1261774/D=egroupmai
l/S=1705083281:HM/A=1000239/rand=854137833>

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2527. Phone Call

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-05 16:54:49 UTC
From: Jeff Melanson
Topic: 2527 Message: 2527

Paul,

I also use Verizon. You should be able to call them and get
the number. My
phone has a 'Recieved Call Log'. It records the last 10
phone numbers that
called me. Maybe your phone has this also.

Jeff
KD7INN

2528. map visibility problem

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-05 17:09:32 UTC
From: n1ltv
Topic: 2518 Message: 2528

> Hank, I can't read the text on your GIF, I see blank
> circles.

Paul,

I'm viewing both maps perfectly from the yahoogroups
website using a public computer, so I think if you
try viewing the maps that way you'll be okay.

If not, I'd suggest downloading an external image view
program and trying that; or trying someone else's
computer at school.

Due to a family emergency, I not as able as usual to
resend files or explore this further right now, but in
this case the maps are visible on at least one other
computer besides my own.

The landing zone is essentially the area of land enclosed
by the omega (inverted U) formation of the Strike Reservoir
and the bend in the Snake River. The zone I've depicted
lies a little closer to the left side of the omega than
dead center, and runs roughly the length of the omega.

If you need to, you can check one of the web topo sites
such as http://www.topozone.com

Hank

2529. Re: [tvnsp] Phone Call

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-05 17:08:28 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2527 Message: 2529

I'm on the phone with Verizon now. How do you get your log?

Paul

> I also use Verizon. You should be able to call them and get
> the number. My
> phone has a 'Recieved Call Log'. It records the last 10
> phone numbers that
> called me. Maybe your phone has this also.

2530. Re: [tvnsp] Phone Call

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-05 17:15:51 UTC
From: Jeff Melanson
Topic: 2527 Message: 2530

Paul,

I have a Nokia phone. I select Menu then scroll down to Call
Log. Next I scroll down to Recieved Calls and Wala! I think
your phone is a different brand. It may or may not have this
feature.

Jeff
KD7INN

verhap@... wrote:
>
> I'm on the phone with Verizon now. How do you get your log?
>
> Paul
>
> > I also use Verizon. You should be able to call them and get
> > the number. My
> > phone has a 'Recieved Call Log'. It records the last 10
> > phone numbers that
> > called me. Maybe your phone has this also.
>
>
> To unsubscribe from this group, send an email to:
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>
>
>
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2531. Re: [tvnsp] Phone Call

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-05 17:20:52 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2527 Message: 2531

I checked received calls. The last one was dated 03/29. Since the phone was off when the voicemail came in, I suspect it wasn't recorded. Verizon says they can't recall the deleted message or find the phone number that called.

Paul

> Paul,
>
> I have a Nokia phone. I select Menu then scroll down to Call
> Log. Next I scroll down to Recieved Calls and Wala! I think
> your phone is a different brand. It may or may not have this
> feature.

2532. GPS35-LVS

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-05 20:45:43 UTC
From: Jeff Melanson
Topic: 2532 Message: 2532

Paul,

Where did you order your GPS35 from?

Jeff
KD7INN

2533. GPS35-LVS

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-05 20:48:12 UTC
From: Jeff Melanson
Topic: 2532 Message: 2533

Zack,

I have been unable to find a sales phone number for Garmin on there website. I sent the sales department an email asking for price and phone number. Hope that works.

Jeff

2534. Re: [tvnsp] GPS35-LVS

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-05 20:58:37 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2532 Message: 2534

From CDW.com

Paul
> Where did you order your GPS35 from?

2535. Warhawk Museum

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-05 21:00:01 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2098 Message: 2535

The museum just called. They open their doors at 10:00 AM tomorrow. I'll set up a table. Can someone watch the table at lunch time?

The Warhawk Museum is located at the Nampa airport.

Paul

2536. Re: [tvnsp] GPS35-LVS

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-05 21:50:28 UTC
From: Zack Clobes
Topic: 2532 Message: 2536

913-397-8200 and ask for their Avionics dept.

I just ordered another one this morning, however the prices I posted earlier were apparently dealer prices because the lady I talked to couldn't find those prices anywhere. I paid $150 for the 35-LVC which is the only model (between the HVS, LVS, and LVC - I didn't investigate the other two because I'm not as familiar with them) that they have in stock.
Zack

----- Original Message -----
From: Jeff Melanson
To: tvnsp@yahoogroups.com
Sent: Friday, April 05, 2002 2:48 PM
Subject: [tvnsp] GPS35-LVS

Zack,

I have been unable to find a sales phone number for Garmin on there website. I sent the sales department an email asking for price and phone number. Hope that works.

Jeff

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2537. Re: [tvnsp] A Phone Call & Improved landing zone estimate with maps

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-05 21:53:11 UTC
From: Mike Garske
Topic: 2518 Message: 2537

Yes I posted your name on the poster.......hope the guy calls back!!

Mike
----- Original Message -----
From: <verhap@...>
To: <tvnsp@yahoogroups.com>
Sent: Friday, April 05, 2002 7:30 AM
Subject: [tvnsp] A Phone Call & Improved landing zone estimate with maps

> > This shows my current guess for a landing zone. It's a zone
> > rather than a spot because there are so many unknowns.
>
> Hank, I can't read the text on your GIF, I see blank circles.
>
> After classes yesterday I checked my phone messages. I had a
> voice mail. Not to get your hopes too high, but the caller said the
> following....
>
> "Paul, I think I found your balloon. It got run over by a tractor, so
> it's not in the best shape. I'm at work right now"
>
> The person did not leave a name or phone number. I have no idea
> if this is our balloon or a NWS balloon. I haven't recieved a second
> call yet. I must of accidently deleted the message rather than
> saving it.
>
> Mike, did you post my name and phone numbers with your posters
> or your's? Hank, can I get a new GIF? I'd like to find out which
> predicted landing spot is near a farm (perhaps they all are).
>
> Paul
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
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>
>
>
>

2538. Re: map visibility problem

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-05 22:15:23 UTC
From: n1ltv
Topic: 2518 Message: 2538

Paul,

Could you give me some feedback about whether you've been
able to view the maps?

I've gotten email from people indicating they can see them
both fine. The fact that I saw them from the website shows that
there was no problem with the mailing from here to yahoo.

Hank

2539. strange phone call

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-05 22:25:29 UTC
From: n1ltv
Topic: 2518 Message: 2539

> the caller said the following....
>
> "Paul, I think I found your balloon. It got run over by a tractor,
so
> it's not in the best shape. I'm at work right now"
>
> The person did not leave a name or phone number. I have no
> idea if this is our balloon or a NWS balloon. I haven't
> recieved a second call yet.

This seems to be a caller who got Paul's name from
one of the posters, or else he would have had to have
gotten Paul's name and number from the payload itself,
in which case he'd have to be pretty certain that he
had the balloon and not be tentative about it.

Why he didn't leave a phone number is a mystery, unless
this is a prank phone call by some kid having a little
springtime "fun."

Just in case a legitimate call comes in Paul, you
might want to change your voicemail greeting temporarily
to some announcement that urges callers with balloon
information to immediately leave their phone number.

Hank

2540. Re: [tvnsp] strange phone call

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-05 22:35:28 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2518 Message: 2540

> Why he didn't leave a phone number is a mystery, unless
> this is a prank phone call by some kid having a little
> springtime "fun."

I suspect the voice mail is incomplete. The recorder may have stopped before he was done. I've had cell phone calls that get dropped as they are being made.

Paul

2541. Re: [tvnsp] map visibility problem

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-06 01:58:01 UTC
From: Doug Rich
Topic: 2518 Message: 2541

I have posted the map on the voiceofidaho.org web page. You will see the
link on the welcome page.

Doug W7DVR

At 05:09 PM 4/5/02 +0000, you wrote:
> > Hank, I can't read the text on your GIF, I see blank
> > circles.
>
>Paul,
>
>I'm viewing both maps perfectly from the yahoogroups
>website using a public computer, so I think if you
>try viewing the maps that way you'll be okay.
>
>If not, I'd suggest downloading an external image view
>program and trying that; or trying someone else's
>computer at school.
>
>Due to a family emergency, I not as able as usual to
>resend files or explore this further right now, but in
>this case the maps are visible on at least one other
>computer besides my own.
>
>The landing zone is essentially the area of land enclosed
>by the omega (inverted U) formation of the Strike Reservoir
>and the bend in the Snake River. The zone I've depicted
>lies a little closer to the left side of the omega than
>dead center, and runs roughly the length of the omega.
>
>If you need to, you can check one of the web topo sites
>such as http://www.topozone.com
>
>Hank
>
>
>
>To unsubscribe from this group, send an email to:
>tvnsp-unsubscribe@egroups.com
>
>
>
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2542. Re: A Phone Call & Improved landing zone estimate with maps

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-06 02:45:03 UTC
From: kd7pit
Topic: 2518 Message: 2542

Was there any indication that this was some farmers John Deere
tractor or a 18 wheeler tractor? I find it hard to believe that some
farmers tractor going 2 mph couldn't see a fluorescent chute and 30
some feet of string! I'm hoping for the best never the less.

Justin KD7PIT

--- In tvnsp@y..., <verhap@o...> wrote:
> > This shows my current guess for a landing zone. It's a zone
> > rather than a spot because there are so many unknowns.
>
> Hank, I can't read the text on your GIF, I see blank circles.
>
> After classes yesterday I checked my phone messages. I had a
> voice mail. Not to get your hopes too high, but the caller said
the
> following....
>
> "Paul, I think I found your balloon. It got run over by a tractor,
so
> it's not in the best shape. I'm at work right now"
>
> The person did not leave a name or phone number. I have no idea
> if this is our balloon or a NWS balloon. I haven't recieved a
second
> call yet. I must of accidently deleted the message rather than
> saving it.
>
> Mike, did you post my name and phone numbers with your posters
> or your's? Hank, can I get a new GIF? I'd like to find out which
> predicted landing spot is near a farm (perhaps they all are).
>
> Paul

2543. Re: A Phone Call & Improved landing zone estimate with maps

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-06 03:15:24 UTC
From: kd7pit
Topic: 2518 Message: 2543

Was there any indication that this was some farmers John Deere
tractor or a 18 wheeler tractor? I find it hard to believe that some
farmers tractor going 2 mph couldn't see a fluorescent chute and 30
some feet of string! I'm hoping for the best never the less.

Justin KD7PIT

--- In tvnsp@y..., <verhap@o...> wrote:
> > This shows my current guess for a landing zone. It's a zone
> > rather than a spot because there are so many unknowns.
>
> Hank, I can't read the text on your GIF, I see blank circles.
>
> After classes yesterday I checked my phone messages. I had a
> voice mail. Not to get your hopes too high, but the caller said
the
> following....
>
> "Paul, I think I found your balloon. It got run over by a tractor,
so
> it's not in the best shape. I'm at work right now"
>
> The person did not leave a name or phone number. I have no idea
> if this is our balloon or a NWS balloon. I haven't recieved a
second
> call yet. I must of accidently deleted the message rather than
> saving it.
>
> Mike, did you post my name and phone numbers with your posters
> or your's? Hank, can I get a new GIF? I'd like to find out which
> predicted landing spot is near a farm (perhaps they all are).
>
> Paul

2544. Sorry for double post

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-06 03:22:27 UTC
From: kd7pit
Topic: 2544 Message: 2544

Sorry about the double post. I hit refresh to view any new messages
and it transmits my message again!

Justin

2545. Re: Sorry for double post

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-06 03:28:41 UTC
From: n1ltv
Topic: 2544 Message: 2545

Were you out looking today?

2546. Re: Sorry for double post

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-06 04:03:11 UTC
From: kd7pit
Topic: 2544 Message: 2546

--- In tvnsp@y..., "n1ltv" <n1ltv@y...> wrote:
No, my vehicle is still in the shop from last Saturday's mishap.
Sounds like the capsule might have been found anyways. I doubt its
even in its original spot. I was going to go tomorrow but I'm going
to work in the garden with Rachael instead. Maybe I might stop by
the warhawk museum.

Justin

> Were you out looking today?

2548. Fwd: [tvnsp] A Phone Call & Improved landing zone estimate with maps

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-06 13:27:53 UTC
From: Tony Barrett
Topic: 2548 Message: 2548
Attachments: 2 described; binary payloads are missing from this source WARC

Hello Kurt,

Didn't know if you'd seen the message below or not. Unless it was a prank call, some farmer has recovered our payloads and is trying to return what's left. It might not make sense to search by air now. I'd get some consensus from the group by e-mail before going up unless you are planning on flying anyway.

I'll be at the Science Olympiad in the NNU gym in Nampa most of the day, but you should be able to get me on my cell phone: 863-2740.

Thanks!

Tony

"After classes yesterday I checked my phone messages. I had a
> voice mail. Not to get your hopes too high, but the caller
> said the following....
>
> "Paul, I think I found your balloon. It got run over by
> a tractor, so it's not in the best shape. I'm at work right now"
>
> "The person did not leave a name or phone number. I have no idea
> if this is our balloon or a NWS balloon. I haven't recieved
> a second call yet. I must of accidently deleted the message
> rather than saving it.
>
> "Mike, did you post my name and phone numbers with your posters
> or your's? Hank, can I get a new GIF? I'd like to find
> out which predicted landing spot is near a farm (perhaps they all are).
>
> "Paul"

>Delivered-To: sunvalley.net-tonybarrett@...
>X-eGroups-Return:
>sentto-2519853-2525-1018022054-tonybarrett=sunvalley.net@...
>X-Sender: VERHAP@...
>X-Apparently-To: tvnsp@yahoogroups.com
>To: tvnsp@yahoogroups.com
>Priority: normal
>X-mailer: Pegasus Mail for Windows (v3.01d)
>From: <verhap@...>
>X-Yahoo-Profile: pverhage1960
>Mailing-List: list tvnsp@yahoogroups.com; contact tvnsp-owner@yahoogroups.com
>Delivered-To: mailing list tvnsp@yahoogroups.com

>List-Unsubscribe: <mailto:tvnsp-unsubscribe@yahoogroups.com>
>Date: Fri, 5 Apr 2002 07:30:57 -700
>Subject: [tvnsp] A Phone Call & Improved landing zone estimate with maps
>Reply-To: tvnsp@yahoogroups.com
>
> > This shows my current guess for a landing zone. It's a zone
> > rather than a spot because there are so many unknowns.
>
>Hank, I can't read the text on your GIF, I see blank circles.
>
>After classes yesterday I checked my phone messages. I had a
>voice mail. Not to get your hopes too high, but the caller said the
>following....
>
>"Paul, I think I found your balloon. It got run over by a tractor, so
>it's not in the best shape. I'm at work right now"
>
>The person did not leave a name or phone number. I have no idea
>if this is our balloon or a NWS balloon. I haven't recieved a second
>call yet. I must of accidently deleted the message rather than
>saving it.
>
>Mike, did you post my name and phone numbers with your posters
>or your's? Hank, can I get a new GIF? I'd like to find out which
>predicted landing spot is near a farm (perhaps they all are).
>
>Paul
>
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2/R=0/*http://www.classmates.com/index.tf?s=5085>164c3fd.jpg
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2549. FRS Radios

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-07 07:43:25 UTC
From: kd7pit
Topic: 2549 Message: 2549

Hey Paul,

I have my girlfriends FRS radios ready to go for Sunday. Mine are kinda messed up from last summer camping trips. Too many times in the creek I guess. I'll get some new one's. She will let me use her's for inspecting and checking the insides out. I looked into one of them and it's a small circuit board but I believe it could be altered if done carefully. I remember you asking me Saturday about FRS/GPS combos and Garmin produces one as well as Audiovox. I included the links so anyone could take a peek at them. Both are going to be spendy, especially if they are going to be altered. Walmart's website has the Audiovox's for $219.78/pair. The Garmin's won't be out until June 2002 but probably won't be any cheaper.

I know these links are long. Just cut and paste them into your browser.

For Audiovox
http://www.audiovox.com/cgi-bin/ncommerce3/ExecMacro/product_mainpage.d2w/input?prrfnbr=711407

For Garmin
http://www.garmin.com/products/rino/

Hope this helps out.

Justin KD7PIT

2550. Batteries

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-08 05:43:28 UTC
From: Stephanie Steele
Topic: 1101 Message: 2550

Hi Group,

Per our discussion at tonight's meeting, it appears that the Lithium-ion, Lithium-ion Polymer, and Lithium Polymer batteries would all be ideal for our use. They are space proven, weigh at least 1/3 less than comparable Alkaline or NIMH cells, and some are even flexible so you can fit them into available space. an example of one of the heavier types enclosed in a tin container would be a 1500 Mah Li-on that weighs 43 gm (1.5 oz). They are rated to -20C but so are alkalines for whatever that is worth. They are one type of battery currently in favor for space use along with some that would have no application for us. I have info requests out and will let you know when I know more.

Stephanie

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--
Stephanie

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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2551. Re: Good morning

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-09 22:09:14 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2551 Message: 2551

> I haven't received any group emails since Sunday, was wondering if any word has been received on the balloon?
Has anyone looked for it since last week?

If I don't hear again by Friday, I'm driving out there to ask farmers
about the capsule.

> How was the meeting Sunday? Was any decision made on the April Launch - are you going to do a static flight to make sure everything works and everyone can track properly?

We'll just set up a display table for April 20th. The next launch is
the high altitude attempt in May.

> How was the turnout on the WarHawks demo Saturday morning?

Plenty of people stopped by. I don't think we picked up any new
members, however.

Paul

2552. Re: looking for the capsule with the farmers

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-09 21:46:16 UTC
From: n1ltv
Topic: 2551 Message: 2552

> If I don't hear again by Friday, I'm driving out there
> to ask farmers about the capsule.

I've already asked a couple of times on list if you
can view the two topo maps that depict a landing
zone. Doug has now uploaded to VOI website.

Hank

2553. Re: [tvnsp] Re: looking for the capsule with the farmers

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-09 23:20:59 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2551 Message: 2553

> I've already asked a couple of times on list if you
> can view the two topo maps that depict a landing
> zone. Doug has now uploaded to VOI website.

I found them on the egroups site. There I could see the printed text.

Paul

2554. Fw: GPS35- LVS

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-10 00:18:04 UTC
From: Jeff Melanson
Topic: 2554 Message: 2554

RE: GPS35- LVSHi all,

I thought I would pass this on. I already odered my GPS35-LVS from cdw.com.

----- Original Message -----
From: Wiseman, Brad
To: 'Jeff Melanson'
Sent: Tuesday, April 09, 2002 12:29 PM
Subject: RE: GPS35- LVS

Dear Jeff,

I would recommend that you consider using the GPS16 instead of the GPS35 since the GPS16 is expected to eventually replace the GPS35. It's really a better receiver at the same price as the GPS35.

Enclosed is information on pricing and ordering for our entire OEM sensor product line.

Pricing in under 100 (100 to 999) [1000 to 4999] per year quantities:

010-00124-00 GPS25-LVC $100 ($87) [$78]
010-00124-02 GPS25-LVS $105 ($90) [$80]
010-00124-03 GPS25-HVS $110 ($95) [$85]

010-10197-00 GPS25-xVx Eval Materials Kit $75 (limit 5)
325-00026-00 GPS20/25 Power/Data cable $14 ($12)
320-00031-00 GPS25 Cable assembly, RG174 with single MCX connector $14 ($12)

010-10052-05 GA27C antenna with magnetic and suction cup mounts $78.56 (1 to 4 per year) or $47.14 (5 to 99 per year)
010-10157-00 8 ft. Extension Cable for GA27 $38.09 (1 to 4 per year) or $20.95 (5 to 99 per year)
010-10121-00 MCX to BNC adapter cable $25 (1 to 4 per year) or $13.75 (5 to 99 per year)

For larger quantities of the GA27C, I would like to talk with you about bulk packaging. This would allow me to provide a much better price on the antennas. The caveat is that they must be purchased in conjunction with GPS25's. I could not offer them without also selling the GPS25's. Bulk packaging would require a 6 to 8 week lead time since we normally do not stock them in the Olathe facility in bulk.

You can download the tech specs for the GPS25 LP series products (-LVC, -LVS and -HVS) from:

http://www.garmin.com/manuals/spec25.pdf

The GPS25-xVx Eval Materials kit contains eval software, connectors, cable, a GA27 antenna with mounts and a printed copy of the GPS25 LP series tech specs.

Pricing for delivery in the US in under 100 (100 to 999) [1000 to 4999] per year quantities:

010-00153-00 GPS35-LVC $149 ($127) [$119]
010-00153-02 GPS35-LVS $149 ($130) [$122]
010-00153-03 GPS35-HVS $149 ($135) [$125]
010-00116-00 GPS35PC $159 ($145) [$135]
010-10186-00 GPS35-xVx Eval Materials Kit $50

The mounts that we sell for the GPS35 are priced for delivery in the US in singles (5 and up) per year quantities:

010-10066-00 GPS35 Trunk Lip Mount $17.65 ($9.71)
010-10067-00 GPS35 Flange Mount $20.51 ($11.28)
010-10069-00 GPS35 Suction Cup Mount $17.65 ($9.71)
010-10070-00 GPS35 Magnetic Mount $23.31 ($12.82)

You can download the tech specs for the GPS35 LP series products (-LVC, -LVS and -HVS) from:

http://www.garmin.com/manuals/spec35.pdf

The GPS35PC is essentially a GPS35-HVS that only brings out the VIN, GND, RXD1 and TXD1 lines on a 10 foot cable. The RXD1, TXD1 and GND lines are terminated at the end of that cable in a DB-9 connector that can be connected to a PC's serial port. There is an additional 8 foot cable extension from the DB-9 connector that carries the VIN and GND lines to a cigarette lighter plug, allowing the application of 6 to 40 VDC for the power supply to the unit.

The GPS35-xVx Eval Materials kit contains eval software, connectors, cable, mounts and a printed copy of the GPS35 LP series tech specs. Although the kit was designed specifically for the GPS35 LP series products, the kit may also be used with the GPS35PC or GPS36. ****Please note that the GPS receiver is a separate item and must be purchased separately from the eval materials kit.****

Pricing for delivery in the US in under 100 (100 to 999) [1000 to 4999] per year quantities:

010-00258-02 GPS16-LVS $149 ($130) [$122]
010-00258-03 GPS16-HVS $149 ($135) [$125]
010-00242-21 GPS17-N $169 ($155) [$145]
010-10302-00 Magnetic mount for GPS16 $7.10 ($4.70) [$3.60]

You can see the GPS16 on this page:

http://www.garmin.com/products/gps16/

You can see the GPS17-N on this page:

http://www.garmin.com/products/gps17n/

The tech specs for the GPS16 and GPS17 are available here:

http://www.garmin.com/manuals/spec16_17.pdf

You can download the GPS16/17 spec sheet from here:

http://www.garmin.com/specs/gps16_17spec0102.pdf

You can download the GPS17-N spec sheet from here:

http://www.garmin.com/specs/GPS17N_1101.pdf

You can download the quick start guide for the GPS16 series products (-LVS and -HVS) from:

http://www.garmin.com/manuals/GPS16.pdf

We do not currently have an evaluation materials kit for the GPS16, but I can email a copy of the configuration software if you would find that useful.

Annual quantities are determined by a combination of demonstrated sales and future non-cancelable orders over any 12 month contiguous interval of time inclusive of the date of delivery.

You can order any of the above products directly from us. Just call the following number:

913-397-8200

Ask for the "aviation order desk". They will want some form of advance payment, either credit card or cashier's check. For production quantity purchases, you may later wish to establish an OEM account with a line of credit. In that case, let me know and I can email an OEM account application and an application for credit. The credit application usually takes 2 to 3 weeks to process.

You may also order via email with our order desk:

orders@garmin.com

Please include the model designation (GPS25, GPS35, GPS16 or GPS17-N) in the subject line to ensure proper delivery.

Regards,
Brad Wiseman

-----Original Message-----
From: Jeff Melanson [SMTP:kd7inn@earthlink.net]
Sent: Friday, April 05, 2002 2:38 PM
To: oem@...m
Subject: GPS35- LVS

Hello,

I would like some pricing information on the GPS 35-LVS please. I would also like a phone number that I can call to order this product directly from you.

Thanks,
Jeff

2555. Re: [tvnsp] Re: looking for the capsule with the farmers

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-10 05:51:12 UTC
From: Stephanie Steele
Topic: 2551 Message: 2555

I recommend that a sensible approach would be to meet with the on duty Sheriff's Deputy, determine if their department has been notified of the balloon, and if not, find out from him/her who the farmers are that farm the area we anticipate is the landing area. They are likely, after the county accessor, your best source of information and can save you a lot of time knocking on doors of people who live on the farm but don't farm it. They also may have had the balloon turned over to them and/or heard some scuttlebutt about it and where it is. It will also put them on notice that you are looking for it in case they run across someone who knows about it. Leave a business card with a reliable 24 hour telephone number with everyone you talk to as a further suggestion. Just my ideas.

Stephanie

n1ltv wrote:

> If I don't hear again by Friday, I'm driving out there
> to ask farmers about the capsule.

I've already asked a couple of times on list if you
can view the two topo maps that depict a landing
zone. Doug has now uploaded to VOI website.

Hank

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tvnsp-unsubscribe@egroups.com

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(http://docs.yahoo.com/info/terms/) .

--
Stephanie

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

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2556. Re: [tvnsp] Re: Good morning

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-10 05:53:57 UTC
From: Stephanie Steele
Topic: 2551 Message: 2556

Please keep in mind that if the call was not a hoax that the caller might believe that they left a complete message (no knowing the they didn't and/or the message was erased) and figure if you don't care enough to call then they are not going to worry about it. This is an extremely busy season for farmers right now and I suspect that our balloon is pretty low on their list.

Stephanie

verhap@... wrote:

> I haven't received any group emails since Sunday, was wondering if any word has been received on the balloon?
Has anyone looked for it since last week?

If I don't hear again by Friday, I'm driving out there to ask farmers
about the capsule.

> How was the meeting Sunday? Was any decision made on the April Launch - are you going to do a static flight to make sure everything works and everyone can track properly?

We'll just set up a display table for April 20th. The next launch is
the high altitude attempt in May.

> How was the turnout on the WarHawks demo Saturday morning?

Plenty of people stopped by. I don't think we picked up any new
members, however.

Paul

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--
Stephanie

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2557. Re: [tvnsp] Re: looking for the capsule with the farmers

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-10 14:33:46 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2551 Message: 2557

I like sensible approaches. Stephanie, how do we arrange to meet
with the sheriff's Deputy? Since I've never had a run in with the
law.....

Paul

I recommend that a sensible approach would be to meet with the
on duty Sheriff's Deputy, determine if their department has been
notified of the balloon, and if not, find out from him/her who the
farmers are that farm the area we anticipate is the landing area.
They are likely, after the county accessor, your best source of
information and can save you a lot of time knocking on doors of
people who live on the farm but don't farm it. They also may have
had the balloon turned over to them and/or heard some scuttlebutt
about it and where it is. It will also put them on notice that you are
looking for it in case they run across someone who knows about
it. Leave a business card with a reliable 24 hour telephone number
with everyone you talk to as a further suggestion. Just my ideas.

Stephanie

n1ltv wrote:

> If I don't hear again by Friday, I'm driving
out there
> to ask farmers about the capsule.

I've already asked a couple of times on list if
you
can view the two topo maps that depict a landing
zone. Doug has now uploaded to VOI website.

Hank

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-- Stephanie
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2558. Re: [tvnsp] Re: looking for the capsule with the farmers

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-10 15:29:21 UTC
From: Stephanie Steele
Topic: 2551 Message: 2558

Telephone the sheriff's office the day of the search and ask to meet with the deputy who is covering the area you need to search. Find out where it would be convienent to meet with him and just go there! In case you get a newby that doesn't know everyone yet, be sure and ask who would be a good source of information regarding who farms what in the area. He or she will probably know who they rely on for good information.

Stephanie

verhap@... wrote:

I like sensible approaches. Stephanie, how do we arrange to meet
with the sheriff's Deputy? Since I've never had a run in with the
law.....

Paul

I recommend that a sensible approach would be to meet with the
on duty Sheriff's Deputy, determine if their department has been
notified of the balloon, and if not, find out from him/her who the
farmers are that farm the area we anticipate is the landing area.
They are likely, after the county accessor, your best source of
information and can save you a lot of time knocking on doors of
people who live on the farm but don't farm it. They also may have
had the balloon turned over to them and/or heard some scuttlebutt
about it and where it is. It will also put them on notice that you are
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it. Leave a business card with a reliable 24 hour telephone number
with everyone you talk to as a further suggestion. Just my ideas.

Stephanie

n1ltv wrote:

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Stephanie

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2559. Re: looking for the capsule with the farmers

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-10 19:07:40 UTC
From: n1ltv
Topic: 2551 Message: 2559

Paul,

You might want to take along a handful of maps showing
the landing zone area to give to officials and
other interested parties. Print one and then make
photocopies for the rest.

Hank

2560. Re: ordering from GARMIN direct and available OEM models and prices

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-10 19:01:42 UTC
From: n1ltv
Topic: 2554 Message: 2560

> I thought I would pass this on. I already odered my GPS35-LVS
> from cdw.com.

Thanks, Jeff. Very, very good info.

Hank

2561. Re: [tvnsp] Re: looking for the capsule with the farmers

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-11 05:10:12 UTC
From: Bill Herrmann
Topic: 2551 Message: 2561

At 07:07 PM 4/10/02 +0000, you wrote:
>You might want to take along a handful of maps showing
>the landing zone area to give to officials and other interested parties.

You might make up an updated poster to post in each location the original posters were posted. I'd suggest adding "If you called us your number got cut off - please call again!" or something similar. I'd also include a large "UPDATED" or something.

Bill

2562. Re: looking for the capsule with the farmers

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-11 19:54:01 UTC
From: n1ltv
Topic: 2551 Message: 2562

>You might make up an updated poster to post in each location the
>original posters were posted. I'd suggest adding "If you called us
>your number got cut off - please call again!" or something similar.

>I'd also include a large "UPDATED" or something.

Both sound like very good ideas. Does anyone know who
owns the land around the Strike Reservoir? Is that all
or mostly public?

Hank

2563. No Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-12 20:43:56 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2563 Message: 2563

At this VOI meeting I stated we were having a meeting this Sunday. Oops! I meant next week. Please do not show up at HobbyTown this Sunday for a TVNSP meeting.

Paul

2564. Capsule SAR

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-12 22:59:49 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2564 Message: 2564

I've made 10 copies of a new reward poster about the capsule. tomorrow I plan to drive to the CJ Strike area, ask around, and put up the posters. If anyone would like to join in, please give me a call tonight.

My first stop will be to find the local sheriff's department.

Paul

2565. Re: Capsule SAR

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-13 00:15:48 UTC
From: n1ltv
Topic: 2564 Message: 2565

Owyhee County Sheriff
PO Box 128
Murphy,ID 83650
208-495-1154

2566. Small Stepper Motor Sources?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-14 01:06:48 UTC
From: Tony Barrett
Topic: 2566 Message: 2566

Does anyone know of any sources for small stepper motors? One source is evidently old 5.25 inch disc drives. Do we know anyone who hoards such things?

Thanks,

Tony

2567. Re: Small Stepper Motor Sources?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-14 01:38:43 UTC
From: n1ltv
Topic: 2566 Message: 2567

These are plentiful in surplus at low cost
($1.50 to $3.00) for the small ones.

The small advantage to surplus is that you start out
knowing a little about the item such as unipolar/bipolar,
size of step, and voltage.

Yes, they are found in drives and printers. I've dug
them out of both. A web search will answer the many
questions about hooking them up and driving them.

Hank

2568. Re: [tvnsp] Re: Small Stepper Motor Sources?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-14 01:58:49 UTC
From: Tony Barrett
Topic: 2566 Message: 2568
Attachments: 2 described; binary payloads are missing from this source WARC

Thanks for the reply Hank.

Are my messages still coming through large? Is your offer to help still
open? Should I give you a call now? I think I may still have your number
in my cell phone from last week.

Do you have any recommendations about a surplus source for these
motors? Perhaps I just need to go fishing on the web. I was just passing
along a request from my friend Jim.

Best regards,

Tony

At 01:38 AM 4/14/02 +0000, you wrote:
>These are plentiful in surplus at low cost
>($1.50 to $3.00) for the small ones.
>
>The small advantage to surplus is that you start out
>knowing a little about the item such as unipolar/bipolar,
>size of step, and voltage.
>
>Yes, they are found in drives and printers. I've dug
>them out of both. A web search will answer the many
>questions about hooking them up and driving them.
>
>Hank
>
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>
>To unsubscribe from this group, send an email to:
>tvnsp-unsubscribe@egroups.com
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><http://docs.yahoo.com/info/terms/>Yahoo! Terms of Service.

2569. Re: Small Stepper Motor Sources?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-14 04:03:51 UTC
From: n1ltv
Topic: 2566 Message: 2569

> Thanks for the reply Hank.

You're welcome.

> Are my messages still coming through large?

Your first one didn't, but this one did. :) Not like
the whopper 140k one from last week; this was only 64k.

> Is your offer to help still open?
> Should I give you a call now? I think I may still have
> your number in my cell phone from last week.

Now is not good because it's quite late here in the east.
We can get a few things organized by email off list first
anyway.

> Do you have any recommendations about a surplus source for
> these motors?

They're pretty common, so any good junk place will have a
few.

Just off the top of my head ALL Electronics and Electronic
Goldmine are two places.

Your friend will definitely want to read on the web how
to use them. It's not too simple because they have to be
driven by sequenced pulses, so you either have to have a
driver IC or a microcontroller to accomplish that.

Hank

2570. RE: [tvnsp] Small Stepper Motor Sources?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-15 00:36:24 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 2566 Message: 2570

Hi Scott,

Can I grab a couple stepper motors for the local NEAR (balloons to near space)
group?

Thanks

-----Original Message-----
From: Tony Barrett [mailto:tonybarrett@...]
Sent: Saturday, April 13, 2002 7:07 PM
To: tvnsp@yahoogroups.com
Cc: Jim Hall
Subject: [tvnsp] Small Stepper Motor Sources?

Does anyone know of any sources for small stepper motors? One source is evidently old 5.25 inch disc drives. Do we know anyone who hoards such things?

Thanks,

Tony

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2571. RE: [tvnsp] Small Stepper Motor Sources?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-15 00:36:48 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 2566 Message: 2571

Tony can you email your stepper requirements to me...
thanks.

-----Original Message-----
From: Tony Barrett [mailto:tonybarrett@...]
Sent: Saturday, April 13, 2002 7:07 PM
To: tvnsp@yahoogroups.com
Cc: Jim Hall
Subject: [tvnsp] Small Stepper Motor Sources?

Does anyone know of any sources for small stepper motors? One source is
evidently old 5.25 inch disc drives. Do we know anyone who hoards such
things?

Thanks,

Tony

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2572. Re: [tvnsp] Re: Capsule SAR

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-15 14:22:46 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2564 Message: 2572

> Owyhee County Sheriff
> Murphy,ID 83650

That's what I found out on Saturday.

The restaurant said some kid found it and said he'd contact me.
The bait shop said they find radiosondes from the NWS all the
time. We'll see. The new signs explain what the capsule looks
like, so there should be no false alarms.

Paul

2573. Status, 15 April

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-15 14:43:21 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2573 Message: 2573

Happy tax day!

I spent a few minutes walking around Bruneau (that's all it takes to get around Bruneau) dropping off new fliers and asking questions. I also dropped off a flyer at the largest CJ Strike marinas. I made my last stop at the Owyhee County Sheriff's Department and left a business card. The Owyhee County Roads Department has a copy of the flyer too.

This weekend I interfaced a RAMPack B to the flight computer. On all future flights, science data will be logged into NVRAM and downloaded after recovery. I have the BS2p talking to the TNC and the TNC sending packets through the Vertex VX-150.

I'm still waiting for the GPS and HT.

I added another six pages to the book this weekend. It looks like the book's end is staying ahead of my writing. I added a new chapter and rearranged some content in an earlier chapter.

I'm getting ready to start an experiment with a beacon. I'd like to replace the old one with a new schematic (documented this time) and a PCB. I also need to document the BS1 code.

Saturday is Astronomy Day. I'll spend the day at DCI with the astroomy club. Will anyone else be there? I could use a break at noon.

Paul

2574. Re: Capsule SAR

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-15 14:40:40 UTC
From: n1ltv
Topic: 2564 Message: 2574

>The restaurant said some kid found it and said
>he'd contact me.

Where is this restaurant (road, town)?

Did they say where it (whatever it was) was found
(area, road, town)?

Hank

2575. FW: [tvnsp] Small Stepper Motor Sources?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-15 14:51:28 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 2575 Message: 2575

Not exactly the answer i was looking for.

-----Original Message-----
From: Scott Smith [mailto:SFSmith@...]
Sent: Monday, April 15, 2002 8:31 AM
To: david_ritzenthaler@...
Subject: RE: [tvnsp] Small Stepper Motor Sources?

As long as you bring them back.

Good sources for small stepper motors are

All Electronics: www.allelectronics.com

and

Marlin P. Jones: www.mpja.com

Dr. Scott F. Smith
Department of Electrical and Computer Engineering
Boise State University
1910 University Drive
Boise, Idaho 83725

(208) 426-5743 voice
(208) 426-4800 fax

>>> "RITZENTHALER,DAVID (HP-Boise,ex1)" <david_ritzenthaler@...>
04/14/02 06:36PM >>>
Hi Scott,

Can I grab a couple stepper motors for the local NEAR (balloons to
near
space)
group?

Thanks

-----Original Message-----
From: Tony Barrett [mailto:tonybarrett@...]
Sent: Saturday, April 13, 2002 7:07 PM
To: tvnsp@yahoogroups.com
Cc: Jim Hall
Subject: [tvnsp] Small Stepper Motor Sources?

Does anyone know of any sources for small stepper motors? One source
is
evidently old 5.25 inch disc drives. Do we know anyone who hoards such

things?

Thanks,

Tony

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2576. Re: [tvnsp] Re: Capsule SAR

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-15 16:56:46 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2564 Message: 2576

> >The restaurant said some kid found it and said
> >he'd contact me.
>
> Where is this restaurant (road, town)?

It's the only restaurant in Bruneau. I don't remember the road
name.

> Did they say where it (whatever it was) was found
> (area, road, town)?

The woman at the counter didn't remember who the kid was. She
didn't say anything about where the kid found the balloon either.

Paul

2577. Re: FW: [tvnsp] Small Stepper Motor Sources?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-15 16:57:22 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2575 Message: 2577

At one time the robot store was selling small steppers.

Paul

> Not exactly the answer i was looking for.
>
>
> -----Original Message-----
> From: Scott Smith [mailto:SFSmith@...]
> Sent: Monday, April 15, 2002 8:31 AM
> To: david_ritzenthaler@...
> Subject: RE: [tvnsp] Small Stepper Motor Sources?
>
>
> As long as you bring them back.
>
> Good sources for small stepper motors are
>
> All Electronics: www.allelectronics.com
>
> and
>
> Marlin P. Jones: www.mpja.com
>
>
>
> Dr. Scott F. Smith
> Department of Electrical and Computer Engineering
> Boise State University
> 1910 University Drive
> Boise, Idaho 83725
>
> (208) 426-5743 voice
> (208) 426-4800 fax
>
>
> >>> "RITZENTHALER,DAVID (HP-Boise,ex1)" <david_ritzenthaler@...>
> 04/14/02 06:36PM >>>
> Hi Scott,
>
> Can I grab a couple stepper motors for the local NEAR (balloons to
> near
> space)
> group?
>

>
> Thanks
>
> -----Original Message-----
> From: Tony Barrett [mailto:tonybarrett@...]
> Sent: Saturday, April 13, 2002 7:07 PM
> To: tvnsp@yahoogroups.com
> Cc: Jim Hall
> Subject: [tvnsp] Small Stepper Motor Sources?
>
>
>
> Does anyone know of any sources for small stepper motors? One source
> is
> evidently old 5.25 inch disc drives. Do we know anyone who hoards such
>
> things?
>
> Thanks,
>
> Tony
>
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2578. GPS 35

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-15 19:44:22 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2578 Message: 2578

I just got my -35 LVS in the mail. It has two serial ports (which I didn't know about). I'll ned to attach the D-submini connector to it before using.

I have some questions for Mark.
Do you use both serial ports?
Do you apply power through the DB-9 connector?

Paul

2579. Re: [tvnsp] GPS 35

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-15 19:40:28 UTC
From: Mark Conner
Topic: 2578 Message: 2579

> I have some questions for Mark.
>
> Do you use both serial ports?

No. Only the one is needed.

>
> Do you apply power through the DB-9 connector?

Yes. I believe I wired it to have V+ on pin 9. It was the same as what the Tripmates use with their adapters - since I have the low-voltage version, I can use any of the Tripmate power adapters I already have on hand.

- Mark

2580. GPS35

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-16 14:29:34 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2580 Message: 2580

I wired up my GPS last night and connected it to the flight computer. Nada. I mesaured the current draw by the flight computer with and without the GPS. Both times it settles down to 30 mA. The GPS should draw 130 mA. During class I'll troubleshoot the connection with some students. One of the benefits of being an electronics teacher is that my projects can be done in class as a learning activity.

But I did have two sucesses. My second RAMPack B works (I was afraid I fried it a couiple of weeks ago). I also programmed the new flight computer to take pictures.

Once the GPS problem is fixed, the flight computer will be ready for a mission. I'm planning to use non-rechargeable lithiums this time. They cost $2.50 a piece, but are rated for -40 degrees.

Paul

2581. Re: [tvnsp] GPS35

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-16 15:16:43 UTC
From: Stephanie Steele
Topic: 2580 Message: 2581

Ahem.............

Might I suggest instead, "Once the GPS problem is fixed, the flight computer will be ready for TESTING"

Your humble (not) servant, Stephanie. ;-)

verhap@... wrote:

Once the GPS problem is fixed, the flight computer will be ready
for a mission. I'm planning to use non-rechargeable lithiums this
time. They cost $2.50 a piece, but are rated for -40 degrees.

Paul

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--
Stephanie

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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http://www.RoundhillSoftware.com/MessageCleaner?H6Ldj2XpI

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2582. Re: [tvnsp] GPS35

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-16 16:52:50 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2580 Message: 2582

Ummmm...
That's what I meant.

Actually I did mean it would be tested for several hours before a
mission. Thanks for the correction.

Paul

Ahem.............

Might I suggest instead, "Once the GPS problem is fixed, the flight
computer will be ready for TESTING"

Your humble (not) servant, Stephanie. ;-)

verhap@... wrote:

Once the GPS problem is fixed, the fli computer will be ready
for a mission. I'm planning to use no rechargeable lithiums this
time. They cost $2.50 a piece, but are rated -40 degrees.

Paul

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-- Stephanie
****
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2583. GPS35 fixed

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-16 16:58:00 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2583 Message: 2583

In class I discovered that I had soldered the +5V line to pin 6 instead of pin 9. I had a student help me make the correction and then powered the flight computer up. I now draws 160 mA.

My plan is to program the BS2p to read GPS sentences and then store selected parts in the RAMPack.

As far as configuration, I'll send GPS data to the KPC3+ and the BS2p at the same time. The TNC will send GGA and RMC sentences every minute like Jeff's capsule. Science data will be stored onboard the capsule. I also plan to connect the BS2p to the second port of the TNC. The BS2p will send occasional status data to the TNC.

Paul

2584. GPS Data

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-16 19:05:54 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2584 Message: 2584

I got a chance to test the GPS and flight computer. The BS2p is getting GPS sentences. Tonight it's programming to load into the RAMPack.

Paul

2585. Capsule testing and fox hunting.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-17 04:51:49 UTC
From: Jeff Melanson
Topic: 2585 Message: 2585

Paul,

Ditto what Stephanie wrote. Bring everything to the Sunday
meeting and let's see what you've done so far. Let's plan on
some thorough testing with the group. What do we need to
bring? We will probably need more testing time than what we
can accomplish during the meeting.
I am still waiting for my GPS35 to arrive. I received my new
Alinco DJ-S11. I need the coax you have to replace the
folding antenna. This is the radio that I plan to use with a
CW Beacon. I will breadboard the beacon before the next
meeting. We can write code for it during the meeting.
I received my Ramsey direction finder kit today. I will
start assembling it. I talked to Stephanie about fox hunting
and she suggested that our group do the fox hunting to get
some practice in. This makes sense to me. Also we should use
the actual beacon that we would have on the capsule. This
would test the beacon and test us also. We'll find out what
we don't know!

Jeff
KD7INN

verhap@... wrote:
>
> Ummmm...
> That's what I meant.
>
> Actually I did mean it would be tested for several hours before a
> mission. Thanks for the correction.
>
> Paul
>
> Ahem.............
>
>
> Might I suggest instead, "Once the GPS problem is fixed, the flight
> computer will be ready for TESTING"
>
> Your humble (not) servant, Stephanie. ;-)
>
>
> verhap@... wrote:
>
> Once the GPS problem is fixed, the fli computer will be ready
> for a mission. I'm planning to use no rechargeable lithiums this

> time. They cost $2.50 a piece, but are rated -40 degrees.
>
> Paul
>
>
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>
> -- Stephanie
> ******************************
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>
> http://www.RoundhillSoftware.com/MessageCleaner?H6Ldj2XpI
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2587. Re: [tvnsp] Capsule testing and fox hunting.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-17 14:42:46 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2585 Message: 2587

> Ditto what Stephanie wrote. Bring everything to the Sunday
> meeting and let's see what you've done so far. Let's plan on
> some thorough testing with the group. What do we need to
> bring? We will probably need more testing time than what we
> can accomplish during the meeting.

Last night I collected data from the GPS and stored it in the
RAMPack. I also made a cable for connecting the GPS to the
TNC and flight computer. Tonight I'll test it. If sucessful, I'll pot the
connectors and bolt them into a hood. My plan is to have the TNC
send GPS data every minute. Flight computer data will be stored
onboard.

I noticed the GPS didn't get a fix inside my apartment. I believe
that's for a combination of two reasons. First the GPS has no idea
where its at, since it's moved about 1000 miles from where it was
last turned on. And second that the Navstar signals are so weak
cming through the ceiling. If it's dry outside, I'll leave the flight
computer outside for 15 minutes.

As for Sunday's meeting, we'll need a laptop to program my TNC in
case I run into trouble there. Also bring APRS.

Paul

2588. TNC and Astronomy Day and ATVQ

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-18 14:31:12 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2588 Message: 2588

I've noticed the program I use to program my TNC doesn't change baud rates properly, I usually have to go to the Windoze Terminal program to see the welcome screen. When I tried to program the TNC, I didn't get an echo back from the TNC unless I shut off the TNC and then turned it back on. Any ideas on what is going on here?

I can't go any further unless I can program my TNC. Can someone meet with me either Friday or on Saturday at DCI and help out? You'll need to bring your laptop.

Speaking of DCI, will anyone be there on Saturday to help out?

The Hamfest is the following week. I have a table for a display. Can anyone help out there?

ATV Quarterly is still looking for another article. Is anyone working on one?

Paul

2589. Re: [tvnsp] TNC and Astronomy Day and ATVQ

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-18 18:18:36 UTC
From: Tim Rynearson
Topic: 2588 Message: 2589
Attachments: 2 described; binary payloads are missing from this source WARC

Paul,

Is ECHO OFF on the TNC ?

Tim...

-------Original Message-------

From:tvnsp@yahoogroups.com
Date: Thursday, April 18, 2002 07:15:58 AM
To:tvnsp@yahoogroups.com
Subject: [tvnsp] TNC and Astronomy Day and ATVQ

I've noticed the program I use to program my TNC doesn't change
baud rates properly, I usually have to go to the Windoze Terminal
program to see the welcome screen. When I tried to program the
TNC, I didn't get an echo back from the TNC unless I shut off the
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on one?

Paul

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.

2590. Re: [tvnsp] TNC and Astronomy Day and ATVQ

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-18 19:52:12 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2588 Message: 2590

Thanks, I'll test that tonight. I don't think I would have turned that
off.

Paul
> Paul,
>
> Is ECHO OFF on the TNC ?

2591. Project: Traveler website updated for 2002b

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-19 02:10:39 UTC
From: Zack Clobes
Topic: 2591 Message: 2591

The website is now updated with all of the new flight data for our 2 May (2002b) launch. This launch will be held on Thursday (2 May 2002) at Wiley Elementary school for a group of 50 sixth graders. The students will be involved with tracking the balloon, watching telemetry data, watching ATV footage, and plotting lat/lon coordinate on a poster sized map of Kansas (hopefully we won't need any other states :-/)

www.rckara.org/project_traveler/

BTW, we still could use some additional help tracking ESPECIALLY IF IT GETS DELAYED INTO THE FOLLOWING WEEK! If any ATVers are interested, we'd loved to have an experienced op running the antenna and downconverter at the school.

Thanks,
Zack Clobes, W0ZC
Project: Traveler

2592. Canon Elph APS camera exposing roll of film while sitting on the ground

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-19 02:03:51 UTC
From: Zack Clobes
Topic: 2592 Message: 2592

I have done some more testing with our Elph film camera and the only way I can get the camera to prematurely snap the shutter is to introduce relatively strong RF fields onto the cable. I could take a 2m HT transmitting at 5W and as soon as the antenna was brought close to the cable, the shutter would snap. I believe I have helped the situation by reducing the cable length to bare minimum and adding some RF chokes/filter capacitors, but the problem does still exist to a lesser extent under the correct circumstances.

I feel fairly safe in flying this configuration on 2002b provided we do some extensive testing with cable routing while the transmitters are running. Testing was done before the 2002a flight, however this behavior was not noted on the ground. I am assuming that we just happened to have placed the controller board/cabling in just the right position for the flight on which the film was exposed.

Zack Clobes, W0ZC
Project: Traveler

2593. Re: Weekend

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-19 14:27:40 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2593 Message: 2593

> Paul, I am confused on what is happening this weekend. Are we doing a launch
> or static test? Are we putting a capsule in the back of a truck and heading
> for Bogus Basin? You have mentioned several different things in the past
> several weeks but nothing firm. It might also help to know if we are meeting
> Friday night or not.

I'm just setting up a static display. No launches or tests.

> As to Hamfest, I will be helping to set up tables, etc early Saturday
> morning so will be there. If no one else shows up, I can help you out. What
> are you planning to do during the Hamfest?

I'll do the same thing for the hamfest, just a display

> Also, do we have a meeting Sunday?

Yes there is.

Paul

2594. NSTAR 02-C preliminary announcement

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-20 22:32:08 UTC
From: Mark Conner
Topic: 2594 Message: 2594

Nebraska Stratospheric Amateur Radio Flight 02-C is scheduled for Saturday, May 18th, 2002, at 0800 CDT (1300 UTC). Launch site is KC0MTH Scott Clark's farm northeast of Treynor, IA.

Primary APRS beacon will be on 144.39 MHz with callsign N9XTN-11. Output power is about 800 mW (same as 02-A and 02-B). A new payload developed by Ralph Wallio, W0RPK will be tested this flight. It's a crossband repeater using Alinco DJ-S11 and DJ-S41 HTs with an uplink frequency of 446.300 MHz and a downlink of 144.340 MHz. On the VHF downlink will be the backup APRS beacon using a GPS and MIM (callsign TBD). Output power will be about 300 mW. This repeater will be full duplex which should be easier to operate.

Ralph will be advertising this flight on various lists so we can hopefully set up a long-distance QSO when the balloon is near maximum altitude. The current record is 526 miles, while the theoretical maximum for a 90,000 ft flight is 738 miles. When the balloon is above 70,000 ft, we'll ask that traffic be limited to stations on the fringe of the reception area so we can maximize the opportunity for distance contacts. We'll be using a 1200g balloon, which should get us between 92,000 and 98,000 ft.

Other payloads may include a Canon Elph APS camera and/or a camcorder. This will depend on time I get to modify the Elph and the total weight.

73 de Mark N9XTN

Mark D. Conner
E-mail: n9xtn@...
Homepage: http://members.cox.net/mconner1
"Arrogance and stupidity, all in the same package.....how efficient of you!" - Ambassador Londo Mollari, Babylon 5

2595. Status, 22 Apr

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-22 14:46:35 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 285 Message: 2595

After last nights meeting, Jeff and I hacked a Garmin Etrex, wiring up the power switch for an external connection. The hack forces the Etrex to power back up should the batteries fail due to cold, but then revive. There's a 1k resistor in series with the power switch, by the way. Also, the Etrex draws 130 mA of current.

I got up 10 minutes early this morning and experimented with correplast. Hot glue appears to do a good job glueing styrofoam to cooreplast if you roughen up the correplast first with sandpaper.

Yesterday's test of the flight computer worked well. This week I'll get the capsule together and ready for a May 4th test. In this test, we'll load lithium AAs intot he capsule and run it up to Bogus Basin for a few hours. I hope to have Jeff's capsule ready for the test also. After the test, we'll put the flight computer into a freezer for 30 minutes.

Can we bve ready for a May 18th launch? This one will use a 1200 gram balloon that TVNSP already has. After I get back from Kansas, I'd like to attempt the high altitude launch.

We need a parachute!!!!
Mike, how is your's coming?

Does someone want to order one?

Paul

2596. Re: [tvnsp] Status, 22 Apr

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-22 17:58:52 UTC
From: Doug Rich
Topic: 285 Message: 2596

You may use my parachute if you want.

Doug W7DVR

At 07:46 AM 4/22/02 -0700, you wrote:
>After last nights meeting, Jeff and I hacked a Garmin Etrex, wiring
>up the power switch for an external connection. The hack forces
>the Etrex to power back up should the batteries fail due to cold, but
>then revive. There's a 1k resistor in series with the power switch,
>by the way. Also, the Etrex draws 130 mA of current.
>
>I got up 10 minutes early this morning and experimented with
>correplast. Hot glue appears to do a good job glueing styrofoam to
>cooreplast if you roughen up the correplast first with sandpaper.
>
>Yesterday's test of the flight computer worked well. This week I'll
>get the capsule together and ready for a May 4th test. In this test,
>we'll load lithium AAs intot he capsule and run it up to Bogus Basin
>for a few hours. I hope to have Jeff's capsule ready for the test
>also. After the test, we'll put the flight computer into a freezer for
>30 minutes.
>
>Can we bve ready for a May 18th launch? This one will use a 1200
>gram balloon that TVNSP already has. After I get back from
>Kansas, I'd like to attempt the high altitude launch.
>
>We need a parachute!!!!
>Mike, how is your's coming?
>
>Does someone want to order one?
>
>Paul
>
>
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>tvnsp-unsubscribe@egroups.com
>
>
>
>Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

2597. Re: [tvnsp] Status, 22 Apr

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-22 19:17:18 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 285 Message: 2597

> You may use my parachute if you want.

Thanks. I don't remember, is your parachute 7 feet in diameter?

Paul

2598. contact info for a BLM person where the balloon was lost

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-22 19:48:21 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 2598 Message: 2598

I met someone Saturday that knew who we should contact
with the BLM for the area the balloon was lost. Someone
want to give her the scoop?

Contact info for a BLM person where the balloon was lost
Judy_zuckert@...

Should you ever loose a balloon in Oregon near the Owyee...
that is the person I met :)
Dave

--
David Ritzenthaler - Hewlett-Packard, Boise ID
Musician - Academic - Hardware Design Engr.
208.396.3618 - david_ritzenthaler@...
http://www.findu.com/cgi-bin/find.cgi?KC7NFZ-8

2599. Parachute

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-22 22:50:52 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2599 Message: 2599

I ordered a parachute from Rocketman. They're 12 pound
parachute will recover a 15 pound payload. The 'chute only costs
$60. This summer I'll make a second parachute.

Paul

2600. Etrex modification

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-22 23:34:42 UTC
From: Jeff Melanson
Topic: 2600 Message: 2600

Paul and I modified the Etrex by bringing the power switch wires out externally. The etrex uses a momentary pushbutton to turn power on and off. We discovered that if you leave the wires connected and remove the batteries then reinstall the batteries the unit would power back up. The next step was to use a variable power supply in place of the batteries. With this I slowly reduced the voltage which simulated battery discharge and then slowly brought the power back up to make sure it would turn on again. This procedure simulates batteries that become to cold to deliver current then later warm up. The Etrex shutdown at 1.8 volts. It did NOT restart when the power was increased back up to 3.0 volts from 1.8 volts. Leaving the power switch closed doesn't work unless power is completely removed as we did when we removed the batteries which of course took the voltage to 0 volts.
Paul and I talked about using a watchdog timer. It can monitor the data output of the Etrex. If the data isn't there then it can momentarily close the power switch and it will restart (provided the batteries can deliver the current). The BASIC stamp can also look for the data and restart the Etrex if it is shutdown. The BASIC stamp can also send a message to the chase crew to let them know it happened. I personally like the idea of a stand alone watchdog timer. That way if the flight computer fails the watchdog timer will still restart the Etrex so that it can continue to send data to the TNC. We can track the capsule even if the flight computer isn't working.

Jeff
KD7INN

2601. A simple flight computer

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-23 00:00:00 UTC
From: Jeff Melanson
Topic: 2601 Message: 2601

Want a simple flight computer board already assembled for
$40.00?

Go here...

http://lynxmotion.com/

Click on Electronics (on the left)

Select "Next Step kit" (The second picture)

It doesn't have all the features that Paul's flight computer
has but it will work for many control applications. You can
always add to it. The main differences are that it doesn't
have the MAX186 Analog to Digital converter or the ULN2803
for controlling high current applications. It also doesn't
have the LM335 onboard temperature sensor. You can add any
of these if you desire. If your just going to send up a
camera controlled by servos than it's everything you need.

Jeff
KD7INN

2602. TVNSP and the HP BARC Open House

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-23 03:39:08 UTC
From: Tony Barrett
Topic: 2602 Message: 2602

Dave,

Are you doing the TVNSP stuff for the HP BARC Open House this Wednesday? Do you need me to get some stuff from Paul?

Let me know how I can help.

CUL,

Tony X6-6764

2603. Re: [tvnsp] Parachute

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-23 08:07:20 UTC
From: Stephanie Steele
Topic: 2599 Message: 2603

What size chute have we used in the past? What is the landing speed we shoot for?

Stephanie

verhap@... wrote:

I ordered a parachute from Rocketman. They're 12 pound
parachute will recover a 15 pound payload. The 'chute only costs
$60. This summer I'll make a second parachute.

Paul

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--
Stephanie

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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times. Are you tired of getting this same type of mail that is hard or impossible to read.
Try out Message Cleaner. I use it and I recommend it. Here is a link to get your own copy.

Here's a link to a very handy email clean-up utility, check it out:

http://www.RoundhillSoftware.com/MessageCleaner?H6Ldj2XpI

****
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2604. Re: [tvnsp] Parachute

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-23 13:21:05 UTC
From: Mike Garske
Topic: 2599 Message: 2604

Paul,

Sorry I didn't make it to the this last meeting....but in response to parachutes, I would be happy to give you all the material that I have for you to build that second parachute. Sewing is definitely NOT one of my favorite pastimes! I will probably not be at the next meeting either, but I will bring it all at the next meeting after that! By the way, whats the web address for Rocketman?

Mike KC7DPD
----- Original Message -----
From: <verhap@...>
To: <tvnsp@yahoogroups.com>
Sent: Monday, April 22, 2002 4:50 PM
Subject: [tvnsp] Parachute

> I ordered a parachute from Rocketman. They're 12 pound
> parachute will recover a 15 pound payload. The 'chute only costs
> $60. This summer I'll make a second parachute.
>
> Paul
>
>
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>

2605. Re: [tvnsp] Parachute

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-23 14:23:34 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2599 Message: 2605

Mine is 7' in diameter. The goal is to land at about 15 mph.

Paul

What size chute have we used in the past? What is the landing
speed we shoot for?

Stephanie

verhap@... wrote:

I ordered a parachute from Rocketman. They're pound
parachute will recover a 15 pound payload. Th 'chute only costs
$60. This summer I'll make a second parachute
Paul

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-- Stephanie
****
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Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.
"Those who desire to give up freedom in order to gain security will not
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President Thomas Jefferson.
1743-1826

****

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Try out Message Cleaner. I use it and I recommend it. Here is a link to get y
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Here's a link to a very handy email clean-up utility, check it out:

http://www.RoundhillSoftware.com/MessageCleaner?H6Ldj2XpI
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2606. Landings, was EOSS 56 highlight

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-23 14:26:00 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2606 Message: 2606

I'm forwardng a message from Mark Conner. For those who think
we can't do worse landing on a power line.....

Paul

If it's not power lines, it's missile silos. From the
EOSS_Trackers list.

- Mark

Message: 1
Date: Mon, 22 Apr 2002 12:52:56 -0000
From: "w0cbh" <w0cbh@...>
Subject: EOSS #56 Flight

Great Flight. I had a great time, hope everyone else did. I
used
Nick Hank's grid program in the field for the first time, and
once
operator error was corrected it worked great. We now have a good
tool
to use to accurately predict our grid locations for bearings. We
also
have a means to notify the Air Force when we are flying and our
predicted touch down point. As the trackers know, we landed
withing a
100 years of a missile silo. The Air Force security patrols were
a
little nervous about our presence. Larry Noble had used his job
resources to issue a preflight notice of our flight. The Air
Force
didn't accurately provide the data to the security patrols, so
they
were watching us while we recovered our payloads. Larry and I
then
went over to the patrol vehilce and had a great conversation with
the
two airman, and thier m-16's. We were then placed in touch with
their
headquarters, and told them who and what we were. We now have a
means
of contacting them when we fly in their territory. Believe me,
they
have the right to do what they think necessary to protect the
silos.
This brings upa good point, all the trackers need good ID on

them, and
a business card from the EOSS would be a good idea. Also, a
brochure
would have been nice to hand the airman. So, I will work on
getting
those out to the trackers in the future. Thanks to Larry Noble,
N0NDM
for driving for me, and we did have a good time. We have to do
something about Kris Krengle tho. KB0YRZ. Since he is sleeping
better these days, he has become a very, very onery person to
deal
with, also very funny. Benjie. W0CBH.

2607. Re: [tvnsp] Parachute

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-23 14:26:55 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2599 Message: 2607

Here's the website,
http://www.the-rocketman.com/store.html

Paul

> Paul,
>
> Sorry I didn't make it to the this last meeting....but in response to
> parachutes, I would be happy to give you all the material that I have for
> you to build that second parachute. Sewing is definitely NOT one of my
> favorite pastimes! I will probably not be at the next meeting either, but I
> will bring it all at the next meeting after that! By the way, whats the web
> address for Rocketman?
>
> Mike KC7DPD
> ----- Original Message -----
> From: <verhap@...>
> To: <tvnsp@yahoogroups.com>
> Sent: Monday, April 22, 2002 4:50 PM
> Subject: [tvnsp] Parachute
>
>
> > I ordered a parachute from Rocketman. They're 12 pound
> > parachute will recover a 15 pound payload. The 'chute only costs
> > $60. This summer I'll make a second parachute.
> >
> > Paul
> >
> >
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>

2608. RE: [tvnsp] TVNSP and the HP BARC Open House

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-23 15:56:47 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 2602 Message: 2608

yeah actually.

I have everything except a near craft... i just need a Styrofoam craft and
the nylon outer shell,
maybe a parashoot, I have only electronics (which were actually designed for
visual demo via DTMF remote
control).
Thanks a lot Tony
Dave

-----Original Message-----
From: Tony Barrett [mailto:tonybarrett@...]
Sent: Monday, April 22, 2002 9:39 PM
To: tvnsp@yahoogroups.com
Subject: [tvnsp] TVNSP and the HP BARC Open House

Dave,

Are you doing the TVNSP stuff for the HP BARC Open House this
Wednesday? Do you need me to get some stuff from Paul?

Let me know how I can help.

CUL,

Tony X6-6764

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eid=39282504&bfpage=account>

<http://us.adserver.yahoo.com/l?M=217097.2003762.3481930.1261774/D=egroupmai
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2609. Cutdown Boards

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-23 21:42:46 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2609 Message: 2609

I've got some extra cutdown boards. I'm sending one to Don.
Would anyone else like one?

Paul

2610. CMSG and CTEXT Commands

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-24 14:36:14 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2610 Message: 2610

Looking at TNC commands, I see that I have CMSG set to OFF. I also see that I can set it to DISC. Since my first flight in 1996 almost ended in failure because of someone connecting to the TNC, it seems to me that I should set this to DISC and send a message informing packet stations why I don't allow connections.

Does anyone disagree?

Paul

2611. Re: [tvnsp] CMSG and CTEXT Commands

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-24 13:54:00 UTC
From: Mark Conner
Topic: 2610 Message: 2611

That's the right command. I have it in my BS2p's TNC initialization routine just in case I forget to set it manually. If I remember right, it will spit back the CTEXT before disconnecting, so you can "explain" that connections aren't allowed and hopefully the person won't try it again.

- Mark
----- Original Message -----
From: verhap@...
To: tvnsp@yahoogroups.com
Sent: Wednesday, April 24, 2002 09:36
Subject: [tvnsp] CMSG and CTEXT Commands

Looking at TNC commands, I see that I have CMSG set to OFF. I
also see that I can set it to DISC. Since my first flight in 1996
almost ended in failure because of someone connecting to the
TNC, it seems to me that I should set this to DISC and send a
message informing packet stations why I don't allow connections.

Does anyone disagree?

Paul

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2612. RE: [tvnsp] CMSG and CTEXT Commands

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-24 15:53:56 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 2610 Message: 2612

Mark has the right of it. Setting CMSG to DISC will give anyone attempting
to connect to the TNC whatever message is in CTEXT and then disconnect them.

One good tool to have in the field, if you routinely take your laptop, is
the PDF format of the TNC manual. I have the one for the KPC-3+, available
if I recall from the Kantronics web site. It's much easier searching that
for a particular item than searching the hardcover version.

Bill B.

-----Original Message-----

That's the right command. I have it in my BS2p's TNC initialization routine
just in case I forget to set it manually. If I remember right, it will spit
back the CTEXT before disconnecting, so you can "explain" that connections
aren't allowed and hopefully the person won't try it again.

- Mark

----- Original Message -----
Looking at TNC commands, I see that I have CMSG set to OFF. I
also see that I can set it to DISC. Since my first flight in 1996
almost ended in failure because of someone connecting to the
TNC, it seems to me that I should set this to DISC and send a
message informing packet stations why I don't allow connections.

Does anyone disagree?

Paul

2613. Re: [tvnsp] CMSG and CTEXT Commands

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-24 16:01:36 UTC
From: Stephanie Steele
Topic: 2610 Message: 2613

CMSG set to DISC is the correct parameter to prevent connects. The value set in CTEXT will be sent to the connecting station and then they will be disconnected. Be sure to also set "MYALIAS %" to prevent digipeating through the balloon. I also suggest that you set MYR to your callsign + SSID (different from the MYC value) so YOU can connect to the balloon remotely. This is valuable if you need to give the tnc a remote reset command. You will also need to enter a string in RTEXT which is your password for remote access.

Stephanie

verhap@... wrote:

Looking at TNC commands, I see that I have CMSG set to OFF. I
also see that I can set it to DISC. Since my first flight in 1996
almost ended in failure because of someone connecting to the
TNC, it seems to me that I should set this to DISC and send a
message informing packet stations why I don't allow connections.

Does anyone disagree?

Paul

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--
Stephanie

****

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safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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Here's a link to a very handy email clean-up utility, check it out:

http://www.RoundhillSoftware.com/MessageCleaner?H6Ldj2XpI

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2614. Re: [tvnsp] CMSG and CTEXT Commands

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-24 17:08:28 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2610 Message: 2614

It sounds like you're using the second comm port. My current
design has the GPS connected to both the TNC and CC/PS. The
CC/PS doesn't send anything to the TNC, it just stores data on a
RAMPack B. I like using the RAMPack since I don't have to clean
up flight logs just to get my data. And let's face it, it's my data
that's important.
;)

I will have the battery voltage and CC/PS temperature sent as
telemetry every two minutes from the KPC3+.

I'm slotting my beacons so that my packets won't step on other
capsules this July. After the May launch I want to experiment with
setting up the second comm port and a third LT buffer for BS2p
messages.

Paul

> That's the right command. I have it in my BS2p's TNC initialization routine just in case
I forget to set it manually. If I remember right, it will spit back the CTEXT before
disconnecting, so you can "explain" that connections aren't allowed and hope
fully the person won't try it again.
>
> - Mark
> ----- Original Message -----
> From: verhap@...
> To: tvnsp@yahoogroups.com
> Sent: Wednesday, April 24, 2002 09:36
> Subject: [tvnsp] CMSG and CTEXT Commands
>
>
> Looking at TNC commands, I see that I have CMSG set to OFF. I
> also see that I can set it to DISC. Since my first flight in 1996
> almost ended in failure because of someone connecting to the
> TNC, it seems to me that I should set this to DISC and send a
> message informing packet stations why I don't allow connections.
>
> Does anyone disagree?
>
> Paul
>
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>

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2615. Re: [tvnsp] Cutdown Boards

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-24 16:12:28 UTC
From: Stephanie Steele
Topic: 2609 Message: 2615

I'm interested.

verhap@... wrote:

I've got some extra cutdown boards. I'm sending one to Don.
Would anyone else like one?

Paul

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tvnsp-unsubscribe@egroups.com

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--
Stephanie

****

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safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

Are you tired of sending out email that shows the wear and tear of being forwarded 50
times. Are you tired of getting this same type of mail that is hard or impossible to read.
Try out Message Cleaner. I use it and I recommend it. Here is a link to get your own copy.

Here's a link to a very handy email clean-up utility, check it out:

http://www.RoundhillSoftware.com/MessageCleaner?H6Ldj2XpI

****
****

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this message is strictly prohibited.

2616. Cutdowns

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-24 17:23:28 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2616 Message: 2616

Stepanie, I don't know what happened to your last message, but I was able to save it as a text file and read your reply. I'llbeing sending boards to Don, Mark, and Stepanie.

Paul

2617. Re: [tvnsp] CMSG and CTEXT Commands

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-24 19:30:13 UTC
From: Mark Conner
Topic: 2610 Message: 2617

I'm using a KPC-3 v6.0 (non-Plus). The BS2p sits between the GPS and the TNC and parses/formats everything.

The way I time slot is by monitoring the time as reported by the GPS. As a GPS sentence is read in, the seconds portion of the time hack is parsed and compared to the previous time. If the current number of seconds is >= (15 or 45) and the previous number was < (15 or 45) then an APRS posit is formatted and sent to the BS2p. The "15" and "45" are arbitrary and can be modified.

Similarly, a telemetry packet is generated about :10 after each minute.

On the KPC-3+ v8.3, the RAM can be set up to store what was sent to the LT buffers. So you may be able to split logging duties between the Rampack and the KPC-3+.

73 de Mark N9XTN

> It sounds like you're using the second comm port. My current
> design has the GPS connected to both the TNC and CC/PS. The
> CC/PS doesn't send anything to the TNC, it just stores data on a
> RAMPack B. I like using the RAMPack since I don't have to clean
> up flight logs just to get my data. And let's face it, it's my
> data that's important.
>
> ;)
>
> I will have the battery voltage and CC/PS temperature sent as
> telemetry every two minutes from the KPC3+.
>
> I'm slotting my beacons so that my packets won't step on other
> capsules this July. After the May launch I want to experiment
> with
> setting up the second comm port and a third LT buffer for BS2p
> messages.
>

2618. Two More TNC Commands

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-24 20:03:26 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2618 Message: 2618

[Body unavailable in the source archive]

2619. Re: [tvnsp] Two More TNC Commands

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-24 20:26:02 UTC
From: Mark Conner
Topic: 2618 Message: 2619

> The first command is:
>
> LTP 1 GPSPO VIA WIDE3-3
>
>
> My question, what is GPSPO? I understand that it's a
> destination, but what kind of destination?

GPSPO tells APRS software to use the balloon icon for this
callsign/SSID.

> The second command is:
>
> GPSPORT 4800 NORMAL
>
>
> The INTFACE GPS puts the TNC into GPS mode. The 4800
> and NORMAL make sense to me, as they are the NMEA
> standards. But why GPSPORT?

INTFACE GPS puts the main serial port into GPS mode (for non-Plus KPC-
3s that are v6 or later). Not sure of the effect, if any, on the Plus
versions. GPSPORT controls the second serial port. If you add the
keyword "CHECKSUM" the checksum data will be used to verify the data.
Also, it may be a good idea to include

GPSTIME VALID RMC

to set the internal clock to the GPS time.

http://www.dididahdahdidit.com/plustracker.php
http://www.kc5goi.net/aprs/kpc3+_setup.htm

73 de Mark N9XTN

2620. Re: [tvnsp] CMSG and CTEXT Commands

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-24 21:36:24 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2610 Message: 2620

> On the KPC-3+ v8.3, the RAM can be set up to store what was sent to the
> LT buffers. So you may be able to split logging duties between the
> Rampack and the KPC-3+.

That's what I'm thinking. If I use the second comm port, I can have
the TNC store all the data from the flight. I wouldn't need a
RAMPack at all.

Paul

2621. TNC Directions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-24 22:01:56 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2621 Message: 2621

Here's part of chapter 2, discussing the KPC 3+. The only other command I want to add is the LTRACK. However, I need to experiment with it before documenting it. I plan for a test of the LTRACK command next Saturday, when we run out test up to Bogus Basin.

Please look it over and let me know if there's more you'd recommend me adding.

Paul

Now the details about the following commands
.
ABAUD 4800
This sets the default communications baud rate for the KPC 3+ to 4800 baud. Set your terminal program to this baud rate before trying to communicate with the KPC.

CD SOFTWARE
The carrier detect is handled by firmware inside the TNC, rather than by the audio signal coming from the HT. Carrier Detect is the detection of someone else using the same frequency. Carrier Detect prevents your transmissions from stepping on someone else□s transmissions.

CTEXT □your disconnect message here□
The specified message is sent to packet stations trying to connect.

CMSG DISC
The CTEXT message is sent to packet stations trying to connect to the TNC before they are disconnected.

DIGI OFF
Prevents packet stations from digipeating through the main telemetry system. If you want to allow digipeating during a mission, then use a second TNC on a separate frequency

HEA OFF
Places the header and packet message on the same line. The header consists of the destination information and a time stamp. Text from the N/C takes less space this way.

UNPROTO APRS VIA WIDE3-3
Packets sent from the N/C are not sent to a specific address, they are sent to everyone on the ether. There is no acknowledgment and therefore packets are not resent if

someone doesn□t receive a proper packet. All packets are sent to an address of APRS and are repeated a total of three times (max) by digipeaters.

MYALIAS NONE
Allows a station to digipeat through the KPC3+ if they use the callsign defined in the myalias command. Since we don□t want digipeating through the TNC, there is no alias defined.

BEACON E 5
Send the beacon every five minutes. Beacons are used to identify the station, in this case the N/C, transmitting the packets

BTEXT □Your N/C□s Name□
The beacon text is the name of the N/C. Other messages can be placed here, for instance, your near space program name or a message for this particular flight. A total of 128 characters can be used in the text message.

TELEMETRY 12
Send the analog and digital values of the TNC every 120 seconds (or two minutes). The values of most concern are the AN0 and AN1 values, which are the most easily accessed analog channels. The other digital and analog values are more difficult to access from outside the TNC and are not covered above. Note that telemetry has the following format:

T#nnnn,AN0,AN1,AN2,AN3,AN5,D1D2D3D4D5D5D7D8

Where:

T#nnnn is the number of the telemetry transmission and is incremented after each transmission.
Example: T#0132

AN0 to AN5 (there is no AN4) are the digitized values of the analog voltages on the KPC3+□s microcontroller
Example: 123,375,523,078,496

D1D2D3D4D5D5D7D8 are the eight digital values on the KPC□s microcontroller.
Example: 11011001

LT Buffer Commands
The following three commands are set up for each LT (location text) buffer. Each LT buffer is programmed to collect a single GPS sentence and transmit it at a specified time and to a specified station. Use the next three commands for every LT buffer (up to a maximum of four) you want to set up in the KPC. LT buffers can be for data from a GPS receiver or the flight computer, if you have enough ports available on the KPC.

GPSHEAD 1 $GPGGA
Store the $GPGGA sentence in LT buffer 1

BLT 1 E 00:00:30 START 00:00:01
Beacon the contents of LT buffer 1 every 30 seconds, starting at 1 second after the minute. The APRS map shows data from the last received GPS sentence. New data overwrites old data. Giving the beacons different start times lets you see text on the APRS map before it is over written. Do not use the clear command with BLT. With the clear command, data in the LT buffer is erased after each transmission. Without the clear command, the last known location of the N/C is transmitted. This may be useful should the GPS fail during descent.

LTP 1 GPSPO VIA WIDE3-3
Specifies that the contents of LT buffer 1 is to be sent to GPSPO with a maximum of three hops through digipeaters.

GPSPORT 4800 NORMAL
Tells the KPC 3+ that data from the GPS receiver follows the NMEA standard (4800 baud, N81)

INTFACE GPS
Sets the KPC3 into GPS mode. When the KPC is restarted it will expect to see only standard GPS sentences. The sentences defined in the LT buffers are stored and transmitted as specified. At this time the KPC does not display text on the PC. To get out of GPS mode, you must type three Control C□s.

Now the KPC 3+ has been programmed. You will install the programmed KPC 3+ into a near space capsule at a later time.

2622. Re: [tvnsp] CMSG and CTEXT Commands

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-25 03:02:31 UTC
From: Jeff Melanson
Topic: 2610 Message: 2622

Paul,

We built our harness so that the TNC cannot hear the radio
therefore no one can connect to it. Are you changing this?

Jeff
KD7INN

verhap@... wrote:
>
> > On the KPC-3+ v8.3, the RAM can be set up to store what was sent to the
> > LT buffers. So you may be able to split logging duties between the
> > Rampack and the KPC-3+.
>
> That's what I'm thinking. If I use the second comm port, I can have
> the TNC store all the data from the flight. I wouldn't need a
> RAMPack at all.
>
> Paul
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

2623. Re: [tvnsp] TNC Directions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-25 10:59:18 UTC
From: Tim Rynearson
Topic: 2621 Message: 2623
Attachments: 2 described; binary payloads are missing from this source WARC

Paul,
One thing I do not see mentioned here that is very important is the station identification as mandated by the FCC. I would recommend changing the BTEXT to include a call sign and BEACON every 9 minutes or so.

Tim.....

-------Original Message-------

From:tvnsp@yahoogroups.com
Date: Wednesday, April 24, 2002 03:05:58 PM
To:tvnsp@yahoogroups.com
Subject: [tvnsp] TNC Directions

Here's part of chapter 2, discussing the KPC 3+. The only other command I want to add is the LTRACK. However, I need to experiment with it before documenting it. I plan for a test of the LTRACK command next Saturday, when we run out test up to Bogus Basin.

Please look it over and let me know if there's more you'd recommend me adding.

Paul

Now the details about the following commands
.
ABAUD 4800
This sets the default communications baud rate for the KPC 3+ to 4800 baud. Set your terminal program to this baud rate before trying to communicate with the KPC.

CD SOFTWARE
The carrier detect is handled by firmware inside the TNC, rather than by the audio signal coming from the HT. Carrier Detect is the detection of someone else using the same frequency. Carrier Detect prevents your transmissions from stepping on someone else□s transmissions.

CTEXT □your disconnect message here□
The specified message is sent to packet stations trying to connect.

CMSG DISC
The CTEXT message is sent to packet stations trying to connect to the TNC before they are disconnected.

DIGI OFF
Prevents packet stations from digipeating through the main telemetry system. If you want to allow digipeating during a mission, then use a second TNC on a separate frequency

HEA OFF
Places the header and packet message on the same line. The header consists of the destination information and a time stamp. Text from the N/C takes less space this way.

UNPROTO APRS VIA WIDE3-3
Packets sent from the N/C are not sent to a specific address, they are sent to everyone on the ether. There is no acknowledgment and therefore packets are not resent if someone doesn□t receive a proper packet. All packets are sent to an address of APRS and are repeated a total of three times (max) by digipeaters.

MYALIAS NONE
Allows a station to digipeat through the KPC3+ if they use the callsign defined in the myalias command. Since we don□t want digipeating through the TNC, there is no alias defined.

BEACON E 5
Send the beacon every five minutes. Beacons are used to identify the station, in this case the N/C, transmitting the packets

BTEXT □Your N/C□s Name□
The beacon text is the name of the N/C. Other messages can be placed here, for instance, your near space program name or a message for this particular flight. A total of 128 characters can be used in the text message.

TELEMETRY 12
Send the analog and digital values of the TNC every 120 seconds (or two minutes). The values of most concern are the AN0 and AN1 values, which are the most easily accessed analog channels. The other digital and analog values are more difficult to access from outside the TNC and are not covered above. Note that telemetry has the following format:

T#nnnn,AN0,AN1,AN2,AN3,AN5,D1D2D3D4D5D5D7D8

Where:

T#nnnn is the number of the telemetry transmission and is incremented after each transmission.
Example: T#0132

AN0 to AN5 (there is no AN4) are the digitized values of the analog voltages on the KPC3+□s microcontroller
Example: 123,375,523,078,496

D1D2D3D4D5D5D7D8 are the eight digital values on the
KPC□s microcontroller.
Example: 11011001

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The following three commands are set up for each LT (location
text) buffer. Each LT buffer is programmed to collect a single
GPS sentence and transmit it at a specified time and to a
specified station. Use the next three commands for every LT
buffer (up to a maximum of four) you want to set up in the KPC.
LT buffers can be for data from a GPS receiver or the flight
computer, if you have enough ports available on the KPC.

GPSHEAD 1 $GPGGA
Store the $GPGGA sentence in LT buffer 1

BLT 1 E 00:00:30 START 00:00:01
Beacon the contents of LT buffer 1 every 30 seconds, starting at
1 second after the minute. The APRS map shows data from the
last received GPS sentence. New data overwrites old data.
Giving the beacons different start times lets you see text on the
APRS map before it is over written. Do not use the clear
command with BLT. With the clear command, data in the LT
buffer is erased after each transmission. Without the clear
command, the last known location of the N/C is transmitted.
This may be useful should the GPS fail during descent.

LTP 1 GPSPO VIA WIDE3-3
Specifies that the contents of LT buffer 1 is to be sent to
GPSPO with a maximum of three hops through digipeaters.

GPSPORT 4800 NORMAL
Tells the KPC 3+ that data from the GPS receiver follows the
NMEA standard (4800 baud, N81)

INTFACE GPS
Sets the KPC3 into GPS mode. When the KPC is restarted it
will expect to see only standard GPS sentences. The sentences
defined in the LT buffers are stored and transmitted as specified.
At this time the KPC does not display text on the PC. To get
out of GPS mode, you must type three Control C□s.

Now the KPC 3+ has been programmed. You will install the
programmed KPC 3+ into a near space capsule at a later time.

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.

2624. Re: [tvnsp] TNC Directions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-25 13:18:50 UTC
From: Mark Conner
Topic: 2621 Message: 2624

Setting BTEXT with a callsign is not necessary as long as MYCALL
is set to your own callsign (with or without SSID). If MYCALL is
set that way, every packet sent will have the proper ID.

While not strictly necessary in this case, setting

UNPROTO GPSPO VIA WIDE3-3

will ensure all other packets are indicated with a balloon icon.

INTFACE GPS is not necessary on a KPC-3+, and may prevent data
from being taken in on the main serial port. To access all
commands, set INTFACE TERMINAL at the beginning of the
programming. The default is INTFACE NEWUSER which prevents
access to some commands.

Setting GPSTIME VALID RMC will syncronize the TNC clock to GPS
time for proper time slotting.

73 de Mark N9XTN

----- Original Message -----
From: Tim Rynearson
To: tvnsp@yahoogroups.com
Sent: Thursday, April 25, 2002 05:59
Subject: Re: [tvnsp] TNC Directions

Paul,
One thing I do not see mentioned here that is very important
is the station identification as mandated by the FCC. I would
recommend changing the BTEXT to include a call sign and BEACON
every 9 minutes or so.

Tim.....

-------Original Message-------

From:tvnsp@yahoogroups.com
Date: Wednesday, April 24, 2002 03:05:58 PM
To:tvnsp@yahoogroups.com
Subject: [tvnsp] TNC Directions

Here's part of chapter 2, discussing the KPC 3+. The only other
command I want to add is the LTRACK. However, I need to
experiment with it before documenting it. I plan for a test of
the
LTRACK command next Saturday, when we run out test up to
Bogus Basin.

Please look it over and let me know if there's more you'd recommend me adding.

Paul

Now the details about the following commands
.
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This sets the default communications baud rate for the KPC 3+ to 4800 baud. Set your terminal program to this baud rate before trying to communicate with the KPC.

CD SOFTWARE
The carrier detect is handled by firmware inside the TNC, rather than by the audio signal coming from the HT. Carrier Detect is the detection of someone else using the same frequency. Carrier Detect prevents your transmissions from stepping on someone else's transmissions.

CTEXT "your disconnect message here"
The specified message is sent to packet stations trying to connect.

CMSG DISC
The CTEXT message is sent to packet stations trying to connect to the TNC before they are disconnected.

DIGI OFF
Prevents packet stations from digipeating through the main telemetry system. If you want to allow digipeating during a mission, then use a second TNC on a separate frequency

HEA OFF
Places the header and packet message on the same line. The header consists of the destination information and a time stamp. Text from the N/C takes less space this way.

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MYALIAS NONE
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BEACON E 5
Send the beacon every five minutes. Beacons are used to identify the station, in this case the N/C, transmitting the packets

BTEXT "Your N/C's Name"
The beacon text is the name of the N/C. Other messages can be placed here, for instance, your near space program name or a message for this particular flight. A total of 128 characters can
be used in the text message.

TELEMETRY 12
Send the analog and digital values of the TNC every 120 seconds (or two minutes). The values of most concern are the AN0 and AN1 values, which are the most easily accessed analog channels. The other digital and analog values are more difficult to access from outside the TNC and are not covered above. Note that telemetry has the following format:

T#nnnn,AN0,AN1,AN2,AN3,AN5,D1D2D3D4D5D5D7D8

Where:

T#nnnn is the number of the telemetry transmission and is incremented after each transmission.
Example: T#0132

AN0 to AN5 (there is no AN4) are the digitized values of the analog voltages on the KPC3+'s microcontroller
Example: 123,375,523,078,496

D1D2D3D4D5D5D7D8 are the eight digital values on the KPC's microcontroller.
Example: 11011001

LT Buffer Commands
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Store the $GPGGA sentence in LT buffer 1

BLT 1 E 00:00:30 START 00:00:01
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LTP 1 GPSPO VIA WIDE3-3
Specifies that the contents of LT buffer 1 is to be sent to GPSPO with a maximum of three hops through digipeaters.

GPSPORT 4800 NORMAL
Tells the KPC 3+ that data from the GPS receiver follows the NMEA standard (4800 baud, N81)

INTFACE GPS
Sets the KPC3 into GPS mode. When the KPC is restarted it will expect to see only standard GPS sentences. The sentences defined in the LT buffers are stored and transmitted as specified.
At this time the KPC does not display text on the PC. To get out of GPS mode, you must type three Control C's.

Now the KPC 3+ has been programmed. You will install the programmed KPC 3+ into a near space capsule at a later time.

2625. Re: [tvnsp] CMSG and CTEXT Commands

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-25 14:55:12 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2610 Message: 2625

Not at this time. but eventually I'd like to be able to send
commands to the TNC.

Paul

> We built our harness so that the TNC cannot hear the radio
> therefore no one can connect to it. Are you changing this?
>
> Jeff
> KD7INN
>
> verhap@... wrote:
> >
> > > On the KPC-3+ v8.3, the RAM can be set up to store what was sent to the
> > > LT buffers. So you may be able to split logging duties between the
> > > Rampack and the KPC-3+.
> >
> > That's what I'm thinking. If I use the second comm port, I can have
> > the TNC store all the data from the flight. I wouldn't need a
> > RAMPack at all.
> >
> > Paul
> >
> >
> > To unsubscribe from this group, send an email to:
> > tvnsp-unsubscribe@egroups.com
> >
> >
> >
> > Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>

2626. Beacon Code

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-25 15:39:58 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2626 Message: 2626

Here's the code I wrote for the Basic Stamp Beacon.

```
ditdah var byte
character var byte
loop:
pause 60000
high 0
pause 500
for character = 0 to 23
lookup
character,[2,1,2,0,2,1,1,0,1,1,1,1,2,0,1,1,1,0,2,0,1,1,1,1],ditdah
if ditdah = 0 then makespace
if ditdah = 1 then makedit

makedah:
gosub dah
goto nextditdah
makedit:
gosub dit
goto nextditdah
makespace:
gosub space

nextditdah:
next
pause 500
low 0
goto loop

space:
low 10
pause 500
return

dit:
freqout 10,600,600
pause 100
return

dah:
freqout 10,1800,600
pause 100
return

end
```

2627. RE: [tvnsp] TNC Directions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-25 16:25:00 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 2621 Message: 2627
Attachments: 2 described; binary payloads are missing from this source WARC

Tim,

Station ID is only required every 10 minutes during transmission. So, using MYCALL set to the correct call should take care of this, since it then becomes part of every transmitted packet. BEACON is more useful for letting people know your station is available as a digi or pbbs or whatever, like once every hour.

Bill B.

-----Original Message-----
From: Tim Rynearson [mailto:n7ubo@...]
Sent: Thursday, April 25, 2002 4:59 AM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] TNC Directions

Paul,
One thing I do not see mentioned here that is very important is the station identification as mandated by the FCC. I would recommend changing the BTEXT to include a call sign and BEACON every 9 minutes or so.

Tim.....

-------Original Message-------

From: tvnsp@yahoogroups.com <mailto:tvnsp@yahoogroups.com>
Date: Wednesday, April 24, 2002 03:05:58 PM
To: tvnsp@yahoogroups.com <mailto:tvnsp@yahoogroups.com>
Subject: [tvnsp] TNC Directions

Here's part of chapter 2, discussing the KPC 3+. The only other command I want to add is the LTRACK. However, I need to experiment with it before documenting it. I plan for a test of the LTRACK command next Saturday, when we run out test up to Bogus Basin.

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Paul

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CTEXT "your disconnect message here"
The specified message is sent to packet stations trying to connect.

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The CTEXT message is sent to packet stations trying to connect to the TNC before they are disconnected.

DIGI OFF
Prevents packet stations from digipeating through the main telemetry system. If you want to allow digipeating during a mission, then use a second TNC on a separate frequency

HEA OFF
Places the header and packet message on the same line. The header consists of the destination information and a time stamp. Text from the N/C takes less space this way.

UNPROTO APRS VIA WIDE3-3
Packets sent from the N/C are not sent to a specific address, they are sent to everyone on the ether. There is no acknowledgment and therefore packets are not resent if someone doesn't receive a proper packet. All packets are sent to an address of APRS and are repeated a total of three times (max) by digipeaters.

MYALIAS NONE
Allows a station to digipeat through the KPC3+ if they use the callsign defined in the myalias command. Since we don't want digipeating through the TNC, there is no alias defined.

BEACON E 5
Send the beacon every five minutes. Beacons are used to identify the station, in this case the N/C, transmitting the packets

BTEXT "Your N/C's Name"
The beacon text is the name of the N/C. Other messages can be placed here, for instance, your near space program name or a message for this particular flight. A total of 128 characters can be used in the text message.

TELEMETRY 12
Send the analog and digital values of the TNC every 120 seconds (or two minutes). The values of most concern are the AN0 and AN1 values, which are the most easily accessed analog channels. The other digital and analog values are more

difficult to access from outside the TNC and are not covered above. Note that telemetry has the following format:

T#nnnn,AN0,AN1,AN2,AN3,AN5,D1D2D3D4D5D5D7D8

Where:

T#nnnn is the number of the telemetry transmission and is incremented after each transmission.
Example: T#0132

AN0 to AN5 (there is no AN4) are the digitized values of the analog voltages on the KPC3+'s microcontroller
Example: 123,375,523,078,496

D1D2D3D4D5D5D7D8 are the eight digital values on the KPC's microcontroller.
Example: 11011001

LT Buffer Commands
The following three commands are set up for each LT (location text) buffer. Each LT buffer is programmed to collect a single GPS sentence and transmit it at a specified time and to a specified station. Use the next three commands for every LT buffer (up to a maximum of four) you want to set up in the KPC. LT buffers can be for data from a GPS receiver or the flight computer, if you have enough ports available on the KPC.

GPSHEAD 1 $GPGGA
Store the $GPGGA sentence in LT buffer 1

BLT 1 E 00:00:30 START 00:00:01
Beacon the contents of LT buffer 1 every 30 seconds, starting at 1 second after the minute. The APRS map shows data from the last received GPS sentence. New data overwrites old data. Giving the beacons different start times lets you see text on the APRS map before it is over written. Do not use the clear command with BLT. With the clear command, data in the LT buffer is erased after each transmission. Without the clear command, the last known location of the N/C is transmitted. This may be useful should the GPS fail during descent.

LTP 1 GPSPO VIA WIDE3-3
Specifies that the contents of LT buffer 1 is to be sent to GPSPO with a maximum of three hops through digipeaters.

GPSPORT 4800 NORMAL
Tells the KPC 3+ that data from the GPS receiver follows the NMEA standard (4800 baud, N81)

INTFACE GPS
Sets the KPC3 into GPS mode. When the KPC is restarted it will expect to see only standard GPS sentences. The sentences

defined in the LT buffers are stored and transmitted as specified.
At this time the KPC does not display text on the PC. To get
out of GPS mode, you must type three Control C's.

Now the KPC 3+ has been programmed. You will install the
programmed KPC 3+ into a near space capsule at a later time.

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l/S=1705083281:HM/A=1042587/rand=766489390>

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2628. Re: [tvnsp] Cutdown Boards

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-25 19:05:07 UTC
From: randy farley
Topic: 2609 Message: 2628

I'll buy, or take one if i am not too late.
Do we a have a TVNSP credit card yet? I'm starting to need
one :)

On Tue, 23 Apr 2002 14:42:46 -700
<verhap@...> wrote:
> I've got some extra cutdown boards. I'm sending one to
> Don.
> Would anyone else like one?
>
> Paul
>
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>

regards,

Randy

2629. Project: Traveler to fly this Thursday

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-29 03:20:41 UTC
From: Zack Clobes
Topic: 2629 Message: 2629

Project: Traveler 2002b is still scheduled to fly this Thursday morning (2 May) at about 9:00-9:30am (central) from Wiley school in Hutchinson, KS. Actual lift-off time is highly subject to surface level winds since we've got a lot of trees around the school.

Flight predictions have been putting it in close to Emporia, KS, but today's prediction was about 20 miles closer than previous. I think we can keep up with it at 70 miles, but beyond that will get tough. I'm anticipating letting one of the chase teams get a 30 minute head start to try to get a little closer to it.

The payload will include APRS on 144.39MHz and ATV on 434MHz. The ATV will be turned on and off depending on altitude - a flight schedule can be found on the club website, www.rckara.org/project_traveler/. The total payload weight will be just under 6 pounds with 244 cu feet of helium in a 1200 gram balloon. Estimated burst will be at 93,000'.

If anyone has the capability of receiving the ATV, please try to record any video received as we will be compiling a video of the balloon launch for the sixth grade students.

Thanks,
Zack Clobes, W0ZC
Project: Traveler

2630. TNC Test

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-29 14:49:58 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2630 Message: 2630

I ran a test of the KPC using two comm ports. The idea is to use
one LT buffer to send data from the flight computer (data can be
PUTted into the scratch pad and then dumped into an LT buffer). I
programmed one buffer to accept $GPBS2 sentences. Initially
there were no updated to the TNC. I discovered that if you leave
the INTFACE in GPS, then the GPSPORT command doesn't work.
So I changed the INTFACE to TERM and that worked.
Unfortuantely I wasn't getting packets on my PC. It looks like the
batteries in the HT were dying. So that HT is being rechaged today
and the entire set up will be tested again tonight.

Jeff, if I run into problems again with receiving packets, can I stop
by and run the test with you tracker?

Can anyone think of a potential problem with leaving the INTFACE
to TERM and connecting the BS2p to the TNC?

Paul

2631. Kenwood D7

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-29 15:15:50 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2631 Message: 2631

John, I need to get with you on the D7 settings. I'd like to design a tracker with the D7 and test it on the ground (we don't have to send it up). The settings will be documented on chapter two, section five (near space avionics, part one) of my book.

Paul

2632. Parachute

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-29 19:46:03 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2599 Message: 2632

The Rocketman parachute is on. There's no directions with it, so
I'll call Kytec and find out how to adjust it. It's pretty, that's for sure.

Paul

2633. Solar Power

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-29 22:02:58 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2633 Message: 2633

To use solar power and to make it as easy as possible, I've always assumed you could connect a battery and load in parallel to the PV array. As long as the PV array outputted at least a volt more than the batteries, it would trickle-charge the battery.

Does the battery limit the voltage seen by the load? If the PV array outputs 12 volts but the battery is a 9V battery, does the load see only 9V?

To keep the battery from discharging into the PV array at night, there must be a diode in the circuit. This leads to a 0.7 volt drop. So technically, the PV array must output 1.7 volts or more than the battery.

Am I missing anything here?

Paul

2634. Re: [tvnsp] Solar Power

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-29 23:19:26 UTC
From: Lloyd Thomson
Topic: 2633 Message: 2634

Paul

We use a similar setup on our equipment, where an array of solar strings will feed a battery and the load at the same time.

For a 4 cell string, open circuit panel voltage can actually be around 7.5 to 9 volts, but this is okay since it is the current that is doing the actual work, and the voltage will be lower under load. I have some panels here, and counted 16 solar cells in a string for our 4 cell NiCd battery pack. A guy who knows more about it than I do (not hard) put this one together.

The diode is up to the designer. However, you are correct in that the solar panel will act as a load if it is not illuminated, so usually is a good idea. A simple 1N400x does the trick.

After the diode, the voltage will equal that of the battery pack. The solar panel voltage under load should equal that of the battery, plus the diode drop. Again, it is a current source, not a voltage source.

Anyway, you are on the right track with your thinking. Have fun, and holler if I can help

Lloyd Thomson
Sr. Design Engineer
One Stop Satellite Solutions
2750 North Fairfield Rd Ste 1
Layton, UT 84041-8659
lloyd.thomson@osss.com
www.osss.com

----- Original Message -----
From: verhap@...01.k12.id.us
To: tvnsp@yahoogroups.com
Sent: Monday, April 29, 2002 4:02 PM
Subject: [tvnsp] Solar Power

To use solar power and to make it as easy as possible, I've always
assumed you could connect a battery and load in parallel to the
PV array. As long as the PV array outputted at least a volt more
than the batteries, it would trickle-charge the battery.

Does the battery limit the voltage seen by the load? If the PV array
outputs 12 volts but the battery is a 9V battery, does the load see
only 9V?

To keep the battery from discharging into the PV array at night,
there must be a diode in the circuit. This leads to a 0.7 volt drop.
So technically, the PV array must output 1.7 volts or more than the

battery.

Am I missing anything here?

Paul

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2635. Re: Solar Power

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-30 02:04:22 UTC
From: n1ltv
Topic: 2633 Message: 2635

> To use solar power and to make it as easy as possible, I've
> always assumed you could connect a battery and load in parallel
> to the PV array. As long as the PV array outputted at least
> a volt more than the batteries, it would trickle-charge
> the battery.

Not necessarily trickle charging; it could be pretty heavy
charging without something to regulate. That's the main
function of these solar regulator modules.

> Does the battery limit the voltage seen by the load? If the
> PV array outputs 12 volts but the battery is a 9V battery,
> does the load see only 9V?

Well, it depends on the internal resistances of the array
and battery, but in most realistic situations, yes, the
battery wins and the voltage is "clamped" by the battery.

There is more detail to this, but it can all be done with
simple DC circuit analysis.

> To keep the battery from discharging into the PV array at night,
> there must be a diode in the circuit. This leads to a 0.7
> volt drop. So technically, the PV array must output 1.7 volts
> or more than the battery.
>
> Am I missing anything here?

Just that the use of a Schottky diode will cut that .7 down
to below .3 vlots. It could be as low as .1 volt. No reason
not to use one because they aren't too expensive nowadays.

Hank

2636. Re: Solar Power

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-30 02:15:59 UTC
From: n1ltv
Topic: 2633 Message: 2636

> After the diode, the voltage will equal that of the battery pack.
> The solar panel voltage under load should equal that of
> the battery, plus the diode drop. Again, it is a current
> source, not a voltage source.

In a relative, quite imprecise sense it's a current
source, but *not* really. What it *is* in most instances is
a higher internal resistance than the battery into which it
drains.

Because the solar panel is not really a current source, the
battery voltage depends somewhat on the solar panel
(unloaded) voltage. Just *how* much depends on the relative
internal resistances of the battery and solar panel.

Hank

2637. Re: [tvnsp] TNC Test

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-30 03:31:33 UTC
From: Jeff Melanson
Topic: 2630 Message: 2637

Paul,

This would be fine any time. Call my cell phone to let me
know because I don't see my email during the day. I'll send
my number to your private email address. You should have it
already.

Jeff
KD7INN

verhap@... wrote:
>
> Jeff, if I run into problems again with receiving packets, can I stop
> by and run the test with you tracker?
>
> Paul
>
>
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2638. GPSL 2002 list?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-30 03:47:39 UTC
From: Mark Conner
Topic: 2638 Message: 2638

I'm thinking of starting an e-mail list on Yahoo for this year's GPSL. We need to start some discussions on frequencies and payloads, and the participants are scattered across at least four e-mail lists. Comments? I think the best way to proceed is to discuss this on a dedicated list, then each payload owner would report back to their "home" list periodically.

My thought is to have all payloads with either a primary or backup APRS beacon on the same frequency, preferably time slotted and probably on 144.34 MHz. If we have most everybody time slotted, we should be able to have a common frequency for the chase and the teams can mutually support each other (if one team's chase setup fails, others will still have a track of that payload). I think that if we have six in the air at once, we should be able to run four on time slots and the other two free-running without much of a problem.

I would like to fly a camcorder for GPSL and hopefully get video of the other balloons in flight. I think we have a lot of ATV activity planned as well. We should make sure we have frequencies deconflicted well before arrival - I don't think we want to argue over who is to QSY after the balloons are filled. :)

73 de Mark N9XTN

Mark D. Conner
E-mail: n9xtn@...
Homepage: http://members.cox.net/mconner1
"Arrogance and stupidity, all in the same package.....how efficient of you!" - Ambassador Londo Mollari, Babylon 5

2639. Re: [tvnsp] Solar Power

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-30 04:28:31 UTC
From: Doug Rich
Topic: 2633 Message: 2639

Two things to remember:
1. Voltage over the max charge voltage will damage the chemistry of the battery.
2. At altitude the efficiency of the solar cell is dramatically increased.

Doug W7DVR

At 03:02 PM 4/29/02 -0700, you wrote:
>To use solar power and to make it as easy as possible, I've always
>assumed you could connect a battery and load in parallel to the
>PV array. As long as the PV array outputted at least a volt more
>than the batteries, it would trickle-charge the battery.
>
>Does the battery limit the voltage seen by the load? If the PV array
>outputs 12 volts but the battery is a 9V battery, does the load see
>only 9V?
>
>To keep the battery from discharging into the PV array at night,
>there must be a diode in the circuit. This leads to a 0.7 volt drop.
>So technically, the PV array must output 1.7 volts or more than the
>battery.
>
>Am I missing anything here?
>
>Paul
>
>
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2640. Re: [tvnsp] GPSL 2002 list?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-30 14:29:13 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2638 Message: 2640

> I'm thinking of starting an e-mail list on Yahoo for this year's
> GPSL.

I like the idea. I need to get a list of attendees and who needs helium. The library is set as is the launch site. The week before the symposium, I'll reserve space at the Sirloin Stockade.

We need to have ANSR and Bill Brown on the list.

> My thought is to have all payloads with either a primary or
> backup APRS beacon on the same frequency, preferably time slotted
> and probably on 144.34 MHz.

I'll be time slotted this time and will adjust my times to deconflict with others.

The Manhattan Radio Club knows about the launch and that we will use their repeater for voice comm. I suppose we ought to select 146.52 for simplex for times when we're out of range.

> I would like to fly a camcorder for GPSL and hopefully get video
> of the other balloons in flight.

I'll at least carry a APS camera. I may also fly a camcorder to record the effects of low pressure on objects.

Paul

2641. Cutdowns and TNC

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-30 14:36:51 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2641 Message: 2641

I have two cutdown boards and nichrome to send to Mark and Don.
I'll make photocopies of instructions today.

I noticed that when the BS2 sends text to the TNC, it's mistaken
for a command (and fails). The TNC is in terminal mode when I do
this. If I set it to transparent, I don't think the GPSport will work.

So how about this.....
I send text to the TNC like this,
LT 3 my message here ,cr,lf

This should load my message into LT buffer 3. BLT is set for 1
minute.

I'll test that tonight, but if anyone has tried this, could you let me
know?

Perhaps there's a better way. I need to send mesages to the TNC
through the PC port. The messages are part of LT buffer 3. The
first two LT buffers are reserved for GPS sentences that come
through the gpsport.

Paul

2642. Re: [tvnsp] Cutdowns and TNC

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-30 15:51:25 UTC
From: Mark Conner
Topic: 2641 Message: 2642

The best way to send data via the PC port (regular serial port, the DB-25 connector) is to go into converse mode.

For my initialization routine, the TNC and BS2 are powered up at the same time by the same switch. The BS2 waits a few seconds to make sure the TNC is up, then it sends 3 CTRL-C's to put the TNC in command mode (in case it's not already), then a set of commands to set things like callsign, TXD, UNPROTO path, and so forth. The last command is a "K" followed by a <CR> to put the TNC in converse mode.

In converse mode, anything sent to the DB25 port is sent out on the air, prepended with the callsign and UNPROTO path info.

If power is temporarily lost to the TNC, it will come back in command mode. If you periodically send a K followed by a <CR> to the TNC, it will put it back in converse mode. If it's already in converse mode, then the K is sent out on the air (a small price to pay). I should check to see if I'm doing this in my code - I don't think so.

I don't think you can load the LT buffers from the PC port.

- Mark

> Perhaps there's a better way. I need to send mesages to the TNC
> through the PC port. The messages are part of LT buffer 3. The
> first two LT buffers are reserved for GPS sentences that come
> through the gpsport.

2643. Humidity Sensors

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-30 17:17:14 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1536 Message: 2643

I've been told the humidity sensors will be sent today from India. I'll have to pay by wiring the money through my bank. I've never done this before, sdo its going to be an experience. But as I understand, I don't have to pay an additional fee for my check to be cashed in India.

As soon as I receive the sensors, I'll need everyone who wanted one to send me a check.

I've ordered 20 sensors at $6 a piece. I'll send them in a padded envelope, so please send an extra dollar (does that sound fair?) for the envelope and shipping. If you order more than one sensor, I just need the single dollar, don't send an extra dollar per sensor.

Is there anyone else who is interested in buying a RH sensor? I'll need to unload them as soon as possible.

Paul

2644. Re: Humidity Sensors

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-04-30 20:01:49 UTC
From: n1ltv
Topic: 1536 Message: 2644

> I've been told the humidity sensors will be sent today from India.
> I'll have to pay by wiring the money through my bank.

I hope you don't get burned. This deal has been fishy for
a long time.

For those not keeping score, this started around NOVEMBER.
Last Paul said just a couple weeks ago was the deal was off.

Now it's on...maybe.

Hank

2645. TNC Findings/Cutdowns

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-01 14:37:43 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2645 Message: 2645

Last night I played around with the TNC and flight computer (a block one CC/PS). Once an LT buffer is set up, you can send data to it with this command,

serout TNC_TX,4800I,["LT 3 your text", cr]

When it's that LT buffer's turn, the text is transmitted.

I also found out that in CONVERS mode, the GPSPORT shuts off. But when you stay in COMMAND mode, you can load the LT buffer and still send data to the TNC through the GPSPORT.

My plan is to assemble text strings in SPRAM and then send them to the TNC. Data will also be sent to the data flight recorder. Even if the BS2p fails, the GPSPORT still sends GPS sentences.

I plan to send the following three sentences, GPGGA, GPRMC, and PGRMV. The last is Garmin's three dimensional velocity sentence. The BS2p will determine balloon burst by looking at this sentence.

Don and Mark, I dropped your cutdown boards, some nichrome wire, and directions into the mail today.

I'll bring some cutdown stuff to the next TVNSP meeting for the locals.

Paul

2646. Saturday Flight Test

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-01 14:59:58 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2646 Message: 2646

I'd like to run a flight test this Saturday morning. In the test I'd like to run the entire procedure, from loading the capsule to operating it. the main electronics will use the lithiums, but I'll use alkalines in the HT, since I know it works just fine on a mission. Can I get some help with this? I need some tracking stations operating, even home-based ones will work for this. We'll use the 24 repeater for voice comm.

After loading the capsule, we need to drive it around for a few hours. The suggestion was to leave it at Bogus Basin for some time, also. We also need to give the capsule a good shake to simulate descent. At first plan to use three alkalines internally in the HT, but later I want to test using four alkalines as an external battery. Someone with an S-meter will need to watch the repsonse. After that test, I'd like to load some of the electronics into a refrigerator for a chill down test. Tracking stations need to monitor the capsule during this time. The following week I'd like to test the new parachute like we did last October. Can I get some help with that?

So I'm looking for volunteers, please let mne know.

Paul

2647. Next Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-01 15:02:09 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 719 Message: 2647

When would everyone like to do the next launch? Originally I was thinking of Memorial Day weekend, since the Warhawk museum has an event planned that day. However, they may not be able to open early enough. Also, that weekend is close to the end of school. Would the weekend before work for everyone? Would everyone still prefer Memorial Day weekend?

Paul

2648. Re: [tvnsp] Saturday Flight Test

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-01 14:40:05 UTC
From: Stephanie Steele
Topic: 2646 Message: 2648

Hi Paul,

I am already committed this Saturday so I won't be able to help on site. I run my home station 24/7 so I or anyone should be able to receive the capsule's posits anytime it is operating if it is working correctly. I currently show two RMC posits from the kd4sth-11 dated 4/30 at 20:23 & 20:25 hrs.

I again suggest letting the capsule run to failure as part of the test to determine how long you can expect it to transmit on an actual mission. Rather than refrigerate the capsule at the end of the test I would suggest taking a large ice chest with ice or dry ice and doing a cooling test while at Bogus to simulate the cooling the occurs at altitude. After an appropriately long cooling test, then do the 'shake' test, then drive it down the hill and allow it to warm during the drive down. It goes without saying that the capsule should be in 'flight ready' configuration for all tests and all components (except disposable batteries) should be identified to ensure that the same components actually fly the mission configured as tested.

Just the random ramblings of a mad woman .....

Stephanie

verhap@... wrote:

I'd like to run a flight test this Saturday morning. In the test I'd like
to run the entire procedure, from loading the capsule to operating it.
the main electronics will use the lithiums, but I'll use alkalines in
the HT, since I know it works just fine on a mission. Can I get
some help with this? I need some tracking stations operating,
even home-based ones will work for this. We'll use the 24 repeater
for voice comm.

After loading the capsule, we need to drive it around for a few
hours. The suggestion was to leave it at Bogus Basin for some
time, also. We also need to give the capsule a good shake to
simulate descent. At first plan to use three alkalines internally in
the HT, but later I want to test using four alkalines as an external
battery. Someone with an S-meter will need to watch the
repsonse. After that test, I'd like to load some of the electronics
into a refrigerator for a chill down test. Tracking stations need to
monitor the capsule during this time. The following week I'd like to
test the new parachute like we did last October. Can I get some
help with that?

So I'm looking for volunteers, please let mne know.

Paul

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--
Stephanie

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

Are you tired of sending out email that shows the wear and tear of being forwarded 50
times. Are you tired of getting this same type of mail that is hard or impossible to read.
Try out Message Cleaner. I use it and I recommend it. Here is a link to get your own copy.

Here's a link to a very handy email clean-up utility, check it out:

http://www.RoundhillSoftware.com/MessageCleaner?H6Ldj2XpI

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2649. Re: [tvnsp] Next Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-01 14:44:54 UTC
From: Stephanie Steele
Topic: 719 Message: 2649

Either weekend is fine with me if we are truly ready to go. I would suggest a go/no go decision after completion of all flight testing.

Stephanie

verhap@... wrote:

When would everyone like to do the next launch? Originally I was thinking of Memorial Day weekend, since the Warhawk museum has an event planned that day. However, they may not be able to open early enough. Also, that weekend is close to the end of school. Would the weekend before work for everyone? Would everyone still prefer Memorial Day weekend?

Paul

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--
Stephanie

****

"They that can give up essential liberty to obtain a little temporary safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

Are you tired of sending out email that shows the wear and tear of being forwarded 50 times. Are you tired of getting this same type of mail that is hard or impossible to read. Try out Message Cleaner. I use it and I recommend it. Here is a link to get your own copy.

Here's a link to a very handy email clean-up utility, check it out:

http://www.RoundhillSoftware.com/MessageCleaner?H6Ldj2XpI

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2650. Re: [tvnsp] TNC Findings/Cutdowns

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-01 15:39:35 UTC
From: Mark Conner
Topic: 2645 Message: 2650

Paul,

This is great info to have. I hadn't thought about this way of loading an LT buffer.

I can see something like this working for even a version 6 TNC. Instead of being in converse mode to transmit data, you can load up LT buffers instead. With the proper parameters, the LT buffers would still transmit even if the flight computer died completely. Time sync could be handled by getting the time from the GPS and setting the TNC's time at the command mode.

I'll page through my version 6 manuals and see if this is viable.

73 de Mark N9XTN

==========
Paul said:

Last night I played around with the TNC and flight computer (a block one CC/PS). Once an LT buffer is set up, you can send data to it with this command,

serout TNC_TX,4800I,["LT 3 your text", cr]

When it's that LT buffer's turn, the text is transmitted.

I also found out that in CONVERS mode, the GPSPORT shuts off. But when you stay in COMMAND mode, you can load the LT buffer and still send data to the TNC through the GPSPORT.

My plan is to assemble text strings in SPRAM and then send them to the TNC. Data will also be sent to the data flight recorder. Even if the BS2p fails, the GPSPORT still sends GPS sentences.

I plan to send the following three sentences, GPGGA, GPRMC, and PGRMV. The last is Garmin's three dimensional velocity sentence. The BS2p will determine balloon burst by looking at this sentence.

Don and Mark, I dropped your cutdown boards, some nichrome wire, and directions into the mail today.

I'll bring some cutdown stuff to the next TVNSP meeting for the locals.

2651. Saturday's Test

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-01 17:17:47 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2651 Message: 2651

As per Stephanie's suggestions.....

Does anyone have a large enough ice chest for a capsule and antenna? If not, I suppose we could look at not mounting the antenna to the capsule.
Is there anything to do at Bogus for two hours? (I've never been there, myself). Lunch should only take an hour.
Mike, can you help and bring the launch tower? i'd like to leave the capsule out on the tower at Bogus.
For the shake test, we'll just grab the capsule by the scruff and.....

I'll bring some TVNSP literature, as we may attract some attention up there (especially during the shake test!).

I'll also bring a camera, I'll need some pictures for my book (tentively titled, The Near Space Files).

After the Bogus trip, I'll let the capsule sit in the backyard and watch it fail (and catch fire).

Paul

2652. Re: [tvnsp] Saturday's Test

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-01 16:27:13 UTC
From: Stephanie Steele
Topic: 2651 Message: 2652

Oh darn, and to think I'll miss the carnage!

verhap@... wrote:

After the Bogus trip, I'll let the capsule sit in the backyard and
watch it fail (and catch fire).

Paul

2653. Re: [tvnsp] TNC Findings/Cutdowns

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-01 17:19:47 UTC
From: bherrman@spro.net
Topic: 2645 Message: 2653

> I can see something like this working for even a version 6 TNC.
> Instead of being in converse mode to transmit data, you can load
> up LT buffers instead.

I don't think LT is available till version 8.x.

Bill

2654. Re: [tvnsp] Saturday's Test

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-01 17:25:38 UTC
From: John Knapp
Topic: 2651 Message: 2654

Anybody got any hot dogs?? and maybe marshmellows? --- Stephanie Steele wrote: Oh darn, and to think I'll miss the carnage!

verhap@... wrote:

After the Bogus trip, I'll let the capsule sit in the backyard and
watch it fail (and catch fire).

Paul

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2655. Project: Traveler still a go

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-01 19:57:23 UTC
From: Zack Clobes
Topic: 2655 Message: 2655

Everything is still a go for tomorrow's launch of Project: Traveler 2002b at 9:00am. After a small scare last night, all equipment seems to be fully functional and ready to go.

The winds overnight do not look favorable, but they are supposed to calm down by sunrise to under 10mph. We are semi-prepared to wait closer until 11:00am or 12:00pm to launch if the winds appear to be calming down.

Today's prediction is putting the capsule's landing spot within a half mile of the outskirts of Emporia - close to where I-35 and 50 intersect on the south-west side of town. With a top speed over 140mph, we will be lagging the capsule. Don Pfister, KA0JLF is planning on chasing the capsule down from Kansas City and will hopefully beat our teams to the recovery.

The payload will consist of APRS on 144.39 and ATV on 434MHz. The ATV is horizontally polarized coming from a Little Wheel antenna on the bottom side of the capsule. GPS information will be overlaid on the screen.

If you do happen to receive any footage from the ATV, please try to record it as we will be compiling a video for the students to take home with them which will probably include some ATV footage.

Any other information can be found at www.rckara.org/project_traveler/

Thanks,
Zack Clobes, W0ZC
Project: Traveler

2656. Re: [tvnsp] Project: Traveler still a go

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-01 23:18:37 UTC
From: Jeff Melanson
Topic: 2655 Message: 2656

Landing near Interstates sounds a little scary. Landing near
a town sounds scary too. Watch out for those power lines.
Been there done that. Ever since the power line incident I
get nervous about landing sites.

Jeff
KD7INN

> Zack Clobes wrote:
>

> Today's prediction is putting the capsule's landing spot
> within a half mile of the outskirts of Emporia - close to
> where I-35 and 50 intersect on the south-west side of
> town. With a top speed over 140mph, we will be lagging
> the capsule. Don Pfister, KA0JLF is planning on chasing
> the capsule down from Kansas City and will hopefully beat
> our teams to the recovery.

2657. Re: [tvnsp] Project: Traveler still a go

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-01 23:44:00 UTC
From: Zack Clobes
Topic: 2655 Message: 2657

Well, I'm not too crazy about the prediction, but it's been bouncing around quite a bit for the past week so I don't have a whole lot of faith in it. I'm hoping it stays this side of Emporia.... we're going to dump every bit of helium we've got into it..

Zack
----- Original Message -----
From: Jeff Melanson
To: tvnsp@yahoogroups.com
Sent: Wednesday, May 01, 2002 6:18 PM
Subject: Re: [tvnsp] Project: Traveler still a go

Landing near Interstates sounds a little scary. Landing near
a town sounds scary too. Watch out for those power lines.
Been there done that. Ever since the power line incident I
get nervous about landing sites.

Jeff
KD7INN

> Zack Clobes wrote:
>

> Today's prediction is putting the capsule's landing spot
> within a half mile of the outskirts of Emporia - close to
> where I-35 and 50 intersect on the south-west side of
> town. With a top speed over 140mph, we will be lagging
> the capsule. Don Pfister, KA0JLF is planning on chasing
> the capsule down from Kansas City and will hopefully beat
> our teams to the recovery.

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2658. Re: [tvnsp] TNC Findings/Cutdowns

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-02 03:04:17 UTC
From: Mark Conner
Topic: 2645 Message: 2658

I looked it up in the 6.0 manual I have here - the LT, LTP, BLT, LTRACK, and GPSHEAD commands were introduced with version 6.

I believe version 8.2 included UIFLOOD (WIDEn-N capability), and v8.3 had the second serial port.

73 de Mark N9XTN
----- Original Message -----
From: bherrman@spro.net
To: tvnsp@yahoogroups.com
Sent: Wednesday, May 01, 2002 12:19
Subject: Re: [tvnsp] TNC Findings/Cutdowns

> I can see something like this working for even a version 6 TNC.
> Instead of being in converse mode to transmit data, you can load
> up LT buffers instead.

I don't think LT is available till version 8.x.

Bill

2659. GPSL e-mail list created

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-02 03:40:34 UTC
From: Mark Conner
Topic: 2659 Message: 2659

I've created the Great Plains Super Launch list at http://groups.yahoo.com/group/GPSL/ . Right now there's not much in it, but it'll get to be more over time. I've set it up so everyone is free to read messages and download files without subscribing.

I'll leave the membership open, but I imagine the most interest will be for people who are directly involved with flying payloads for the GPSL - we need to discuss frequencies, beacon rates, who's going to fly what, and so forth. The important announcements will be made back to the "regular" lists by the payload owners.

After GPSL 2002 is over and the post-mortem is finished, I anticipate we'll leave the group on the server for 2003 and beyond but that there won't be much traffic after the first of August.

So feel free to subscribe, and forward this to other people not on these lists who are planning to attend, fly, or chase at GPSL 2002.

73 de Mark N9XTN

Mark D. Conner
E-mail: n9xtn@...
Homepage: http://members.cox.net/mconner1
"Arrogance and stupidity, all in the same package.....how efficient of you!" - Ambassador Londo Mollari, Babylon 5

2661. Re: [tvnsp] Saturday Flight Test

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-02 04:34:28 UTC
From: Bill Herrmann
Topic: 2646 Message: 2661

At 07:59 AM 5/1/02 -0700, you wrote:
>I'd like to run a flight test this Saturday morning. In the test I'd like
>to run the entire procedure, from loading the capsule to operating it.

Will you be running the recovery beacon also? One thing I've been meaning to suggest is that the recovery beacon does not need to send a position as often as the main systems do. It would help the batteries last longer and cut down on the extra transmissions.

Also, as a heads up there is a bicycle race originating in Emmett at noon that will be using APRS to track the racers. You might want to try and conclude your tests prior to that to avoid impacting that. I believe the race is scheduled for 2.5-3 hours.

>I need some tracking stations operating, even home-based ones will work
>for this.

I'll try to have my home station on and logging data. Unfortunately, I'll be out of town during your test.

Bill

2662. Project: Traveler still looking good

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-02 11:59:13 UTC
From: Zack Clobes
Topic: 2662 Message: 2662

The weather sites don't seem to be updated yet, but our cool front came through several hours early and the current weather conditions seem to be very calm. The prediction's are still putting us into Emporia, but I'm not sure if that's accounting for the front coming through early or not.

We anticipate launching on schedule at this point. However, if possible, we may try to rush it by 30 minutes or so depending mainly on how fast the kids can get out there.

Zack Clobes, W0ZC
Project: Traveler

2663. TNC Settings

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-02 15:02:09 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2663 Message: 2663

For the test flight this weekend, the TNC is programmed to send packets from its LT buffers every 60 seconds. The LT buffers are defined as follows:

LT 1 GGA at 0 sec after the minute
LT 2 RMC at 15 sec after the minute
LT 3 RMV at 30 sec after the minute
LT 4 BS2 at 45 sec after the minute

The PGRMV is Garmin's 3d velocity sentence

Every packet is sent GPSPO via wide3-3

CMSG is set to DISC and CTEXT is set to explain why

MYREMOTE is set to KD4STH and the RTEXT has also been set.

I printed out all the TNC settings and will share them at the meeting.

Paul

2664. Project: Traveler 2002b a success

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-03 00:06:05 UTC
From: Zack Clobes
Topic: 2664 Message: 2664

I just finished doing some preliminary analysis on flight 2002b from this morning and have it posted to http://www.rckara.org/project_traveler/2002b/.

All in all, the flight was nearly text-book perfect. The cold front moved through a little early than expected and we were blessed with about 6-9 knot winds at launch time on Thursday morning. Using three lanyards, we had no problems raising the capsule well into the air before releasing (we used three since we still had two of them break). We weren't quite able to keep up with the capsule, but were very close behind. We had it back in our hands within 30 minutes of touchdown (I think it was found within about 10-15 minutes, but I was caught in traffic in downtown Emporia and was the only one with a camcorder). The landing spot was viewable from the road and was only about 1/3 mile from a small blacktop road.

We did have a couple of problems with equipment this time. First off, we have seen on the ground that the ATV can cause the GPS-35HVS unit to do some weird stuff like telling us we were doing 200knots while standing on the ground, and suddenly shifting us around by several degrees lat/lon. Using packing peanuts, we were able to separate the GPS from the ATV antenna/transmitter and had no further problems throughout the flight. This is a nearly identical setup that we've flown the last three flights, just with slightly different antennas. I'm not sure why it's suddenly becoming an issue.

Secondly, we had a couple of GPS glitches as we approached burst (about 94-100k). I'm not sure why this happened, but I know that my software is very sensitive to expecting data every 1 second, and if it's delayed by more than .5 to 1 second, it will report a GPS failure. I have been able to test and confirm this behavior with two Garmin GPS-35 units and I think it's just a feature of Garmin's. The GPS immediately regained lock and kept going.

Beyond that, I would appreciate any log files that people have collected. Also, if you have recorded ATV that you would be willing to send to me, my mailing address is:
Zack Clobes
Hutchinson Credit Union
900 E. 23rd
Hutchinson, KS 67502

Thanks,
Zack Clobes, W0ZC
Project: Traveler

2665. (Fwd) [basicstamps] Re: controlling a digital camera: Success!

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-03 14:45:05 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2665 Message: 2665

This message came through the Basic Stamps group I belong to.
As soon as I find the webpage, I'll share the info. Is anyone
interested in modifying a digital camera?

Paul

Yeh, I would be interested in this as well.

Cheers
Col

--- In basicstamps@y..., "bear_phillips" <bear_phillips@y...> wrote:
> I just got my BS2 to have my Kodak DC3400 to take pictures. I can
now
> have the stamp control the zoom, focus and shutter.
>
> I would like to thank everyone for their help. Especially Al
Williams
> (I guess I should go buy his book now :)
>
> If anyone is interested in the details let me know and I will post
> them on my web page.
>
> thanks
> chad

2666. Re: [tvnsp] Saturday Flight Test

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-03 14:47:54 UTC
From: John Knapp
Topic: 2646 Message: 2666

What time and where? How long do you want to run the
tests?

JohnK
KD7HGS
--- verhap@... wrote:
> I'd like to run a flight test this Saturday morning.
> In the test I'd like
> to run the entire procedure, from loading the
> capsule to operating it.
> the main electronics will use the lithiums, but
> I'll use alkalines in
> the HT, since I know it works just fine on a
> mission. Can I get
> some help with this? I need some tracking stations
> operating,
> even home-based ones will work for this. We'll use
> the 24 repeater
> for voice comm.
>
> After loading the capsule, we need to drive it
> around for a few
> hours. The suggestion was to leave it at Bogus
> Basin for some
> time, also. We also need to give the capsule a good
> shake to
> simulate descent. At first plan to use three
> alkalines internally in
> the HT, but later I want to test using four
> alkalines as an external
> battery. Someone with an S-meter will need to watch
> the
> repsonse. After that test, I'd like to load some of
> the electronics
> into a refrigerator for a chill down test. Tracking
> stations need to
> monitor the capsule during this time. The following
> week I'd like to
> test the new parachute like we did last October.
> Can I get some
> help with that?
>
> So I'm looking for volunteers, please let mne know.
>
> Paul

>

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http://health.yahoo.com

2667. Re: [tvnsp] Saturday Flight Test

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-03 16:50:20 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2646 Message: 2667

I'd like to start by 9:00 AM. Can we meet at Northview Park?

Will anyone be there?

Paul

> What time and where? How long do you want to run the
> tests?

2668. More Cutdowns

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-03 17:00:59 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2668 Message: 2668

I have about 6 cutdown boards left. I'll bring some to the next meeting. Zack, have I ever sent you one? If not, email me your address and I'll drop a PCB, nichrome, and directions in the mail.

Have I forgotten anyone else?

Mark and Don, your's are in the mail. I think the Pony Express leaves Idaho next Monday.

Paul

2669. Re: [tvnsp] More Cutdowns

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-03 17:15:47 UTC
From: Zack Clobes
Topic: 2668 Message: 2669

No, I haven't seen one. I'd kind of like to now that my scheduled is in a lull. :-)

Zack Clobes
Hutchinson Credit Union
900 E. 23rd
Hutchinson, KS 67502
----- Original Message -----
From: verhap@...
To: tvnsp@yahoogroups.com
Sent: Friday, May 03, 2002 12:00 PM
Subject: [tvnsp] More Cutdowns

I have about 6 cutdown boards left. I'll bring some to the next
meeting. Zack, have I ever sent you one? If not, email me your
address and I'll drop a PCB, nichrome, and directions in the mail.

Have I forgotten anyone else?

Mark and Don, your's are in the mail. I think the Pony Express
leaves Idaho next Monday.

Paul

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2670. Re: [tvnsp] Saturday Flight Test

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-03 21:16:53 UTC
From: Randy Farley
Topic: 2646 Message: 2670

I cannot make it Sat., other commitments. Sunday is my only open day
this week. Sorry.

verhap@... wrote:
>
> I'd like to start by 9:00 AM. Can we meet at Northview Park?
>
> Will anyone be there?
>
> Paul
>
> > What time and where? How long do you want to run the
> > tests?
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
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--
Regards,

Randy Farley
N7GPS -Ham Call-
Find Me at: http://map.findu.com/n7gps*

2671. Re: [tvnsp] Next Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-03 21:19:45 UTC
From: Randy Farley
Topic: 719 Message: 2671

Memorial weekend looks okay for me right now.
No family stuff or other plans in the works.
I would even give up a fishing trip for a launch. ;(

verhap@... wrote:
>
> When would everyone like to do the next launch? Originally I was
> thinking of Memorial Day weekend, since the Warhawk museum
> has an event planned that day. However, they may not be able to
> open early enough. Also, that weekend is close to the end of
> school. Would the weekend before work for everyone? Would
> everyone still prefer Memorial Day weekend?
>
> Paul
>
>
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>
>
>
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--
Regards,

Randy Farley
N7GPS -Ham Call-
Find Me at: http://map.findu.com/n7gps*

2672. Re: [tvnsp] Saturday Flight Test

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-03 23:22:57 UTC
From: bherrman@spro.net
Topic: 2646 Message: 2672

Anybody have knowledge of what callsigns will be used? If I can get the data tonight I'll have my home station logging. (I'll be out of town.)

I'm assuming KD4STH* - any others?

Bill

2673. Re: More Cutdowns

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-04 01:31:56 UTC
From: n1ltv
Topic: 2668 Message: 2673

> I have about 6 cutdown boards left.

Paul,

What components go on this board?

Hank

2674. Re: [tvnsp] (Fwd) [basicstamps] Re: controlling a digital camera: Success!

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-03 21:06:15 UTC
From: Rick Widmer
Topic: 2665 Message: 2674

My guess it this isn't a matter of making changes to the
camera, rather it is just understanding the communications
protocol and plugging into the camera with a serial or usb
connection.

Rick

verhap@... wrote:
>
> This message came through the Basic Stamps group I belong to.
> As soon as I find the webpage, I'll share the info. Is anyone
> interested in modifying a digital camera?
>
> Paul
>
> Yeh, I would be interested in this as well.
>
> Cheers
> Col
>
> --- In basicstamps@y..., "bear_phillips" <bear_phillips@y...> wrote:
> > I just got my BS2 to have my Kodak DC3400 to take pictures. I can
> now
> > have the stamp control the zoom, focus and shutter.
> >
> > I would like to thank everyone for their help. Especially Al
> Williams
> > (I guess I should go buy his book now :)
> >
> > If anyone is interested in the details let me know and I will post
> > them on my web page.
> >
> > thanks
> > chad
>
>
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2675. Re: [tvnsp] Next Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-04 05:05:18 UTC
From: Bill Herrmann
Topic: 719 Message: 2675

At 08:02 AM 5/1/02 -0700, you wrote:
>When would everyone like to do the next launch?

Either the weekend of the 18th or the weekend of the 25th (Memorial day weekend) would work for me. (except that I'm otherwise committed on Memorial day itself.)

I'm guessing that you're thinking Saturday. Correct?

Bill

2676. PIC based TNC

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-04 07:34:48 UTC
From: Stephanie Steele
Topic: 2676 Message: 2676

Has anyone looked at or tried this particular unit?

http://www.john.hansen.net/PICTNC.htm

--
Stephanie

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

Are you tired of sending out email that shows the wear and tear of being forwarded 50
times. Are you tired of getting this same type of mail that is hard or impossible to read.
Try out Message Cleaner. I use it and I recommend it. Here is a link to get your own copy.

Here's a link to a very handy email clean-up utility, check it out:

http://www.RoundhillSoftware.com/MessageCleaner?H6Ldj2XpI

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2678. Re: [tvnsp] PIC based TNC

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-04 14:52:29 UTC
From: Zack Clobes
Topic: 2676 Message: 2678

I haven't seen the code for his receive routines, but I'm using his transmit routines in my controller board. They seem to be working pretty good.

John has been at the lead of a lot of the PIC based APRS/packet development.
Zack
----- Original Message -----
From: Stephanie Steele
To: tvnsp@yahoogroups.com
Sent: Saturday, May 04, 2002 2:34 AM
Subject: [tvnsp] PIC based TNC

Has anyone looked at or tried this particular unit?

http://www.john.hansen.net/PICTNC.htm

--
Stephanie

****

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safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

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2679. Flight testing

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-05 03:00:34 UTC
From: Jeff Melanson
Topic: 2679 Message: 2679

Paul and I tested his capsule by driving it up to Bogus Basin today. It tracked well on the way up. On the way down I didn't get position data for a while but still received telemetry. The GPS may have had trouble receiving satellites in the back of my truck. After we got down the hill I was seeing position data again. Paul left it turned on and took it home to run until the lithium batteries fail. The last time I checked it was still running. You can see it at findu.com. The call sign is KD4STH-11.
Did anyone log or monitor the test run on there home APRS station? How did it look to you?

Jeff
KD7INN

2680. TVNSP Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-05 03:06:40 UTC
From: Jeff Melanson
Topic: 2680 Message: 2680

Please bring your capsules and other projects to the meeting tomorrow. Let's make it a productive meeting and get your stuff ready for a near space flight.

Jeff
KD7INN

2681. Bring your trackers to the meeting.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-05 03:10:33 UTC
From: Jeff Melanson
Topic: 2681 Message: 2681

Paul will be bringing his capsule to tomorrow's meeting for more testing. Bring your trackers so you can assist with the testing.

Jeff
KD7INN

2682. Re: [tvnsp] Flight testing

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-05 05:06:20 UTC
From: Stephanie Steele
Topic: 2679 Message: 2682

Hi Jeff,

I see a good useable track to Bogus and also a report on Hwy 16 and one near Emmett. You two were busy today! I am showing posits pretty constant until 21:59 than a single posit at 22:35 hrs (it is now 23:02). Nothing since. I am unsure what time that Cinnabar came back up today as it was down this morning when I left. This may have been part of the problem on your trip down the hill. Sorry I will miss the meeting tomorrow (work). See you in 2 weeks.

Stephanie

Jeff Melanson wrote:

Paul and I tested his capsule by driving it up to Bogus
Basin today. It tracked well on the way up. On the way down
I didn't get position data for a while but still received
telemetry. The GPS may have had trouble receiving satellites
in the back of my truck. After we got down the hill I was
seeing position data again. Paul left it turned on and took
it home to run until the lithium batteries fail. The last
time I checked it was still running. You can see it at
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Did anyone log or monitor the test run on there home APRS
station? How did it look to you?

Jeff
KD7INN

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Stephanie

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2683. Re: [tvnsp] Flight testing

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-05 05:20:43 UTC
From: Jeff Melanson
Topic: 2679 Message: 2683

Hi Stephanie,

Hmmm, We drove from Northview Park to Bogus Basin and back
to Northview Park. We didn't go to Emmett. I didn't know the
digipeater was down.

Jeff
KD7INN

Stephanie Steele wrote:
>
> Hi Jeff,
>
> I see a good useable track to Bogus and also a report on
> Hwy 16 and one near Emmett. You two were busy today! I am
> showing posits pretty constant until 21:59 than a single
> posit at 22:35 hrs (it is now 23:02). Nothing since. I am
> unsure what time that Cinnabar came back up today as it
> was down this morning when I left. This may have been part
> of the problem on your trip down the hill. Sorry I will
> miss the meeting tomorrow (work). See you in 2 weeks.
>
> Stephanie
>
> Jeff Melanson wrote:
>
> > Paul and I tested his capsule by driving it up to Bogus
> > Basin today. It tracked well on the way up. On the way
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> > I didn't get position data for a while but still
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> > in the back of my truck. After we got down the hill I
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> >
> > Jeff

> > KD7INN
> >
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2684. Re: [tvnsp] Flight testing

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-05 11:47:17 UTC
From: Stephanie Steele
Topic: 2679 Message: 2684

I double checked and there are two reports away from the others, one on Hwy 16 and the other in Emmett. Hmmm. No other posits received after the one at 22:35 hrs.

Stephanie

Jeff Melanson wrote:

Hi Stephanie,

Hmmm, We drove from Northview Park to Bogus Basin and back
to Northview Park. We didn't go to Emmett. I didn't know the
digipeater was down.

Jeff
KD7INN

Stephanie Steele wrote:
>
> Hi Jeff,
>
> I see a good useable track to Bogus and also a report on
> Hwy 16 and one near Emmett. You two were busy today! I am
> showing posits pretty constant until 21:59 than a single
> posit at 22:35 hrs (it is now 23:02). Nothing since. I am
> unsure what time that Cinnabar came back up today as it
> was down this morning when I left. This may have been part
> of the problem on your trip down the hill. Sorry I will
> miss the meeting tomorrow (work). See you in 2 weeks.
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> Stephanie
>
> Jeff Melanson wrote:
>
> > Paul and I tested his capsule by driving it up to Bogus
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> > I didn't get position data for a while but still
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> > in the back of my truck. After we got down the hill I
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> > time I checked it was still running. You can see it at
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> > KD7INN
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Stephanie

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2685. Re: [tvnsp] Flight testing

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-05 13:54:48 UTC
From: Doug Rich
Topic: 2679 Message: 2685

The Cinnabar digi was not down. I had it turned on before Paul started. It was on all day with the exception of 5 or 6 times when I cycled it off and then on, to stop some interference with the 147.240 voice repeater.

At 11:20 PM 5/4/02 -0600, you wrote:
>Hi Stephanie,
>
>Hmmm, We drove from Northview Park to Bogus Basin and back
>to Northview Park. We didn't go to Emmett. I didn't know the
>digipeater was down.
>
>Jeff
>KD7INN
>
>Stephanie Steele wrote:
> >
> > Hi Jeff,
> >
> > I see a good useable track to Bogus and also a report on
> > Hwy 16 and one near Emmett. You two were busy today! I am
> > showing posits pretty constant until 21:59 than a single
> > posit at 22:35 hrs (it is now 23:02). Nothing since. I am
> > unsure what time that Cinnabar came back up today as it
> > was down this morning when I left. This may have been part
> > of the problem on your trip down the hill. Sorry I will
> > miss the meeting tomorrow (work). See you in 2 weeks.
> >
> > Stephanie
> >
> > Jeff Melanson wrote:
> >
> > > Paul and I tested his capsule by driving it up to Bogus
> > > Basin today. It tracked well on the way up. On the way
> > > down
> > > I didn't get position data for a while but still
> > > received
> > > telemetry. The GPS may have had trouble receiving
> > > satellites
> > > in the back of my truck. After we got down the hill I
> > > was
> > > seeing position data again. Paul left it turned on and
> > > took
> > > it home to run until the lithium batteries fail. The
> > > last
> > > time I checked it was still running. You can see it at

> > > findu.com. The call sign is KD4STH-11.
> > > Did anyone log or monitor the test run on there home
> > > APRS
> > > station? How did it look to you?
> > >
> > > Jeff
> > > KD7INN
> > >
> > >
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> >
> > --
> > Stephanie
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2689. RE: [tvnsp] TVNSP Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-05 18:37:38 UTC
From: K7JPS - John
Topic: 2680 Message: 2689

Sorry, but I won't be able to make the meeting this afternoon. I have family in town.

John the younger
K7JPS

-----Original Message-----
From: Jeff Melanson [mailto:kd7inn@...]
Sent: Saturday, May 04, 2002 21:07
To: tvnsp@yahoogroups.com
Subject: [tvnsp] TVNSP Meeting

Please bring your capsules and other projects to the meeting tomorrow. Let's make it a productive meeting and get your stuff ready for a near space flight.

Jeff
KD7INN

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2690. Re: [tvnsp] PIC based TNC

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-06 02:21:32 UTC
From: Bill Herrmann
Topic: 2676 Message: 2690

At 11:39 AM 5/5/02 -0600, you wrote:
>The Tiny Trak system went intermittent about half way through the 5 hour
>event. Not sure we can blame the TNC as it appears as though maybe the
>batteries went low on the GPS. Half way through the event we saw regular
>reports from the tracker "I'm a Tiny Trak II and here's my call sign", but
>no position reports. We did see maybe two position reports during the
>last couple of hours. Maybe the GPS batteries recovered, though I'm not
>sure this GPS was on a separate power supply.

I'd say the way it was mounted was probably the main difficulty there. The GPS batteries (It was powered by internal AA batteries) were brand new. I ran exactly the same GPS with brand new batteries (though a different brand of battery) for my trip this weekend. (2.5 hours each way plus probably 1.5 hours other use in between.)

In case you hadn't guessed - it was my gear running that tracker. It was NOT an optimal installation by any means. The whole works was mounted inside a motorcycle saddlebag. They didn't want us to run any cable out so the GPS unit was right inside the plastic housing with all the RF from the transmitter. The antenna was a simple rubber duck standing sort of kind of upright inside the bag.

The whole works was probably somewhat susceptible to getting RF into it. Vibration and the like may have been a factor as well. Last, but not least... How far did the leader get out front of the pack? There's almost no way the TT could have gotten out without help from a digi.

I'll do a postmortem on it Monday after I get it back from Gary. Do you have logs of the data?

Note: The TinyTrack was set so it would only transmit if the GPS data were valid. If you were seeing data without a postion there was something seriously off. The only packet I'm aware of that does not have GPS data in it is the initial power on packet so if you saw that the TT was not getting powered consistently. If so, the GPS would have powered off. (It isn't powered by the TT, but the TT controls its power state.)

>There may be absolutely nothing wrong with the Tiny Trak, but for the
>extra $20 to $25 I think I'd go with the KISS TNC because it receives too
>and you can use it with regular packet.

Depends what you want to do. AFAIK the KISS TNC doesn't have smart beaconing.

I'm disappointed that the TT didn't work out for you guys. I've run it for hours on end with no problem, but that was with a real antenna in a more friendly environment. Let's try to compare behavior in a more realistic comparison some time Tony.

Bill

p.s. Tony - Can the PIC TNC do the tracking thing and support KISS mode at the same time or is it an either or sort of scenario?

2691. Re: [tvnsp] Flight testing

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-06 04:17:50 UTC
From: Stephanie Steele
Topic: 2679 Message: 2691

Hi Tony,

I've noticed the same thing. I have written to Lee to see if he knows anything. I thought it might be related to Cinnabar being turned off and on but apparantly not.

Stephanie

Tony Barrett wrote:

Hey Steph,

What's the story with HARIN? Last report was six days ago.

Tony

At 11:06 PM 5/4/02 -0600, you wrote:

Hi Jeff,

I see a good useable track to Bogus and also a report on Hwy 16 and one near Emmett. You two were busy today! I am showing posits pretty constant until 21:59 than a single posit at 22:35 hrs (it is now 23:02). Nothing since. I am unsure what time that Cinnabar came back up today as it was down this morning when I left. This may have been part of the problem on your trip down the hill. Sorry I will miss the meeting tomorrow (work). See you in 2 weeks.

Stephanie

Jeff Melanson wrote:

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Did anyone log or monitor the test run on there home APRS
station? How did it look to you?

Jeff
KD7INN

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Stephanie

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2692. Extracting lat/lon from packet log files

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-06 15:09:11 UTC
From: n1ltv
Topic: 2692 Message: 2692

I need to get the lat/lons out of a couple
of files as soon as possible.

Would appreciate your suggestions on ways to
do this automatically by program, as opposed to
hand editing.

Mark has a way, Zack must have, and Rick had
a website link at one time to something he
devised, but the link as given in TVNSP a few
months back doesn't seem to be working.

Hank

2693. RE: [tvnsp] Extracting lat/lon from packet log files

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-06 15:11:17 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 2692 Message: 2693

send it to me, I'll do it with Perl.
Please specify (by example) EXACTLY how
you want it to appear for the file I will provide back to you.

-----Original Message-----
From: n1ltv [mailto:n1ltv@...]
Sent: Monday, May 06, 2002 9:09 AM
To: tvnsp@yahoogroups.com
Subject: [tvnsp] Extracting lat/lon from packet log files

I need to get the lat/lons out of a couple
of files as soon as possible.

Would appreciate your suggestions on ways to
do this automatically by program, as opposed to
hand editing.

Mark has a way, Zack must have, and Rick had
a website link at one time to something he
devised, but the link as given in TVNSP a few
months back doesn't seem to be working.

Hank

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<http://rd.yahoo.com/M=194081.2021092.3499911.1829184/D=egroupweb/S=17050832
81:HM/A=1036972/R=0/*http://www.ediets.com/start.cfm?code=3466> Click Here!

<http://us.adserver.yahoo.com/l?M=194081.2021092.3499911.1829184/D=egroupmai
l/S=1705083281:HM/A=1036972/rand=323627227>

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2694. Re: Extracting lat/lon from packet log files

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-06 15:30:43 UTC
From: n1ltv
Topic: 2692 Message: 2694

> send it to me, I'll do it with Perl.

David,

Thanks for your fast reply. I've written Perl before, but right now I'm exhausted from working on the NH MEGA (Balloon) Launch this weekend so I was looking for help with this, and hoping someone might have something in the can.

Please contribute your Perl program as well as its results. It's funny that something like this doesn't seem to be in circulation already. If it is I couldn't find it.

> Please specify (by example) EXACTLY how
> you want it to appear for the file I will provide
> back to you.

Will do.

Hank

2695. Re: Extracting lat/lon from packet log files

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-06 15:54:05 UTC
From: n1ltv
Topic: 2692 Message: 2695

> I need to get the lat/lons out of a couple
> of files as soon as possible.

The format is the one Street Atlas requires (SA 5).

Could someone please tell David what format that
is? I've lost my SA5 installation CD that might
tell what it is, but Mark and Zack do this all the
time, so they'll know.

Hank

2696. RE: [tvnsp] Re: Extracting lat/lon from packet log files

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-06 15:55:58 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 2692 Message: 2696

So I don't have the program written, nor
do i have the original file.
Sorry I don't read every thing that comes comes
through. If you'd like me to do this, send me the file
please. And The exact format you'd like the output
to be in. I cant do anything without both.

-----Original Message-----
From: n1ltv [mailto:n1ltv@...]
Sent: Monday, May 06, 2002 9:31 AM
To: tvnsp@yahoogroups.com
Subject: [tvnsp] Re: Extracting lat/lon from packet log files

> send it to me, I'll do it with Perl.

David,

Thanks for your fast reply. I've written Perl before,
but right now I'm exhausted from working on the NH
MEGA (Balloon) Launch this weekend so I was looking
for help with this, and hoping someone might have
something in the can.

Please contribute your Perl program as well as its
results. It's funny that something like this doesn't
seem to be in circulation already. If it is I couldn't
find it.

> Please specify (by example) EXACTLY how
> you want it to appear for the file I will provide
> back to you.

Will do.

Hank

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<http://rd.yahoo.com/M=194081.2021092.3499911.1829184/D=egroupweb/S=17050832
81:HM/A=1036972/R=0/*http://www.ediets.com/start.cfm?code=3466> Click Here!

<http://us.adserver.yahoo.com/l?M=194081.2021092.3499911.1829184/D=egroupmai
l/S=1705083281:HM/A=1036972/rand=956362014>

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2697. RE: Lat/lon file

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-06 18:54:27 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 2697 Message: 2697
Attachments: 1 described; binary payloads are missing from this source WARC

here is the Perl script as an attachment.
It works. If you give me the exact output
format you want I could give you that too,
for now I've given you the framework to build
the output any way you like.

```
#!/usr/local/bin/perl -w

my $debug = 1;
my $INFILE = "latlong.txt";
my $OUTFILE = "latlong.out";

print "This is Latlong.pl\n" if $debug;

open (TheINFILE, "cat $INFILE |") || die "Cant open INFILE $INFILE $!\n";
open (TheOUTFILE, ">$OUTFILE") || die "Cant open OUTFILE $OUTFILE $!\n";

while (<TheINFILE>)
{
chomp;

#This is where your patern matching stuff goes to take OUT the lines
#that you DONT want to see in the output

if ($_ =~ /^$/){next}; #Kill Blank lines

#Just grab the NMEA lines for now
if ($_ =~ /^\$GPGGA/)
{
my $line = $_;
#if we made it this far, then print it, it must be what we want.
print "$_\n" if $debug;
@NMEA = split(',', $line);
print "This is an example: $NMEA[2]$NMEA[3] $NMEA[4]$NMEA[5] See how
that works? \n";
# The "TheOUTFILE" thing sends the next line to the outfile we want
to create.
print (TheOUTFILE "This is an example: $NMEA[2]$NMEA[3]
$NMEA[4]$NMEA[5] See how that works? \n");

}
}
close (TheINFILE);
close (TheOUTFILE);
```

```
print ("\n\nThis file has created a file called \"latlong.out\" \nwith the
same output you just got on the screen\n\n");
print ("\n\nQuestions comments? ritz\@...\n\n\n");
```

> -----Original Message-----
> From: Hank Riley [mailto:n1ltv@...]
> Sent: Monday, May 06, 2002 12:36 PM
> To: david_ritzenthaler@...
> Subject: Lat/lon file
>
>
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:05:27]: <UI>:
>
>
> N1RCA-11>BEACON [05/04/02 09:05:37]: <UI>:
> T#053,139,191,090,048,121,00010011
>
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:05:43]: <UI>:
>
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:05:43]: <UI>:
>
>
> N1RCA-11>GPS [05/04/02 09:05:47]: <UI>:
> $GPGGA,154240,4244.789,N,07102.953,W,1,09,1.1,8138.0,M,-32.8,M,,*42
>
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:05:50]: <UI>:
>
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:05:50]: <UI>:
>
>
> KB2SSA>CQ,CAPSAT* [05/04/02 09:05:52]: <UI>:
> [A[B
>
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:06:01]: <UI>:
>
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:06:01]: <UI>:
>
>
> ssa hi
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:06:16]: <UI>:
> ssa hi
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:06:16]: <UI>:
> ssa hi

>
> WA1KAT>CQ,CAPSAT*,ROGER,FN42MP [05/04/02 09:06:17]: <UI>:
> ssa hi
>
> hello from Topsfield ma
> N1RCA-11>GPS [05/04/02 09:06:48]: <UI>:
> $GPGGA,154340,4244.116,N,07102.022,W,1,09,1.0,8253.3,M,-32.8,M,,*40
>
> N1RCA-2>TNC,CAPSAT* [05/04/02 09:06:48]: <<UI>>:
>
>
> N1RCA-2>TNC,CAPSAT* [05/04/02 09:06:48]: <<UI>>:
>
>
> N1RCA-2>TNC,CAPSAT* [05/04/02 09:06:48]: <<UI>>:
>
>
> N1RCA-2>TNC,CAPSAT* [05/04/02 09:06:52]: <<UI>>:
> hi
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:06:55]: <UI>:
> hello from Topsfield ma
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:06:55]: <UI>:
> hello from Topsfield ma
>
> WA1KAT>CQ,CAPSAT*,ROGER,FN42MP [05/04/02 09:06:56]: <UI>:
> hello from Topsfield ma
>
> rca hi
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:07:10]: <UI>:
> rca hi
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:07:10]: <UI>:
> rca hi
>
> WA1KAT>CQ,CAPSAT*,ROGER,FN42MP [05/04/02 09:07:10]: <UI>:
> rca hi
>
> N1BHX>N1RCA-11,RELAY,WIDE [05/04/02 09:07:14]: <<UI>>:
> =4225.08N/07110.29W- {UIV23N}
>
> N1RCA-11>GPS [05/04/02 09:07:17]: <UI>:
> $GPGGA,154410,4243.789,N,07101.562,W,1,09,1.6,8310.6,M,-32.8,M,,*42
>
> N1RCA-2>TNC,CAPSAT* [05/04/02 09:07:19]: <<UI>>:
>
>
> cmd:anyone need qsl's?
> N1RCA-11>BEACON [05/04/02 09:07:37]: <UI>:

> T#054,138,191,090,048,120,00010011
>
> $
> EH?
> cmd:N1RCA-2>TNC,CAPSAT* [05/04/02 09:07:43]: <<UI>>:
> please track gps until landing
>
> k
> N1BHX>CAPSAT,RELAY,WIDE [05/04/02 09:07:45]: <<UI>>:
> =4225.08N/07110.29W- {UIV23N}
>
> N1RCA-11>GPS [05/04/02 09:07:47]: <UI>:
> $GPGGA,154440,4243.454,N,07101.121,W,1,09,1.5,8360.5,M,-32.8,M,,*40
>
> anyoke need qsl's?
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:08:05]: <UI>:
> anyoke need qsl's?
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:08:05]: <UI>:
> anyoke need qsl's?
>
> anyone need qsl's?
> N1RCA-11>GPS [05/04/02 09:08:17]: <UI>:
> $GPGGA,154510,4243.102,N,07100.695,W,1,09,1.7,8406.1,M,-32.8,M,,*4A
>
> N1RCA-2>TNC,CAPSAT* [05/04/02 09:08:18]: <<UI>>:
> sure
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:08:20]: <UI>:
> anyone need qsl's?
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:08:20]: <UI>:
> anyone need qsl's?
>
> WA1KAT>CQ,CAPSAT*,ROGER,FN42MP [05/04/02 09:08:21]: <UI>:
> anyone need qsl's?
>
> N1RCA-11>GPS [05/04/02 09:08:47]: <UI>:
> $GPGGA,154540,4242.739,N,07100.281,W,1,09,1.6,8444.2,M,-32.8,M,,*45
>
> cmd:beacon evvery 1 ery 1
> KB2SSA>CQ,CAPSAT* [05/04/02 09:08:57]: <UI>:
>
>
> BEACON was EVERY 0 (disabled)
> cmd:k
>
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:09:14]: <UI>:
>

>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:09:14]: <UI>:
>
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:09:15]: <UI>:
>
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:09:15]: <UI>:
>
>
> WA1KAT>CQ,CAPSAT*,ROGER,FN42MP [05/04/02 09:09:15]: <UI>:
>
>
> WA1KAT>CQ,CAPSAT*,ROGER,FN42MP [05/04/02 09:09:16]: <UI>:
>
>
> N1RCA-11>GPS [05/04/02 09:09:17]: <UI>:
> $GPGGA,154610,4242.368,N,07059.882,W,1,10,0.9,8479.1,M,-32.8,M,,*4C
>
> N1RCA-11>BEACON [05/04/02 09:09:37]: <UI>:
> trhs capsat
>
> N1RCA-11>BEACON [05/04/02 09:09:38]: <UI>:
> T#055,138,190,089,047,120,00010011
>
> N1RCA-11>GPS [05/04/02 09:09:47]: <UI>:
> $GPGGA,154640,4241.992,N,07059.455,W,1,09,1.0,8511.3,M,-32.8,M,,*4E
>
> copy cq w
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:10:00]: <UI>:
> copy cw
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:10:00]: <UI>:
> copy cw
>
> WA1KAT>CQ,CAPSAT*,ROGER,FN42MP [05/04/02 09:10:01]: <UI>:
> copy cw
>
> WA1KAT>BEACON,CAPSAT,ROGER,FN42MP [05/04/02 09:10:10]: <UI>:
> =4239.70N/07057.02W/-Roger in Topsfield MA FN42mp
>
> WA1KAT>BEACON,CAPSAT,ROGER,FN42MP [05/04/02 09:10:10]: <UI>:
> =4239.70N/07057.02W/-Roger in Topsfield MA FN42mp
>
> N1RCA-11>GPS [05/04/02 09:10:17]: <UI>:
> $GPGGA,154710,4241.612,N,07059.012,W,1,10,1.1,8544.6,M,-32.8,M,,*46
>
> N1RCA-11>GPS [05/04/02 09:10:47]: <UI>:
> $GPGGA,154741,4241.236,N,07058.574,W,1,10,1.7,8580.8,M,-32.8,M,,*44
>

> N1RCA-2>TNC,CAPSAT* [05/04/02 09:10:51]: <<UI>>:
> recovery van one can you recieve
>
> WA1KAT>BEACON,CAPSAT,ROGER,FN42MP [05/04/02 09:11:10]: <UI>:
> =4239.70N/07057.02W/-Roger in Topsfield MA FN42mp
>
> WA1KAT>BEACON,CAPSAT,ROGER,FN42MP [05/04/02 09:11:10]: <UI>:
> =4239.70N/07057.02W/-Roger in Topsfield MA FN42mp
>
> WA1KAT>BEACON,CAPSAT*,ROGER,FN42MP [05/04/02 09:11:11]: <UI>:
> =4239.70N/07057.02W/-Roger in Topsfield MA FN42mp
>
> N1RCA-11>GPS [05/04/02 09:11:17]: <UI>:
> $GPGGA,154811,4240.862,N,07058.134,W,1,10,1.5,8620.1,M,-32.8,M,,*46
>
> KB2SSA>CQ,CAPSAT* [05/04/02 09:11:23]: <UI>:
>
>
> ssa your qth?
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:11:38]: <UI>:
> ssa your qth?
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:11:38]: <UI>:
> ssa your qth?
>
> ssa your qth?
> N1RCA-11>GPS [05/04/02 09:11:47]: <UI>:
> $GPGGA,154841,4240.490,N,07057.694,W,1,10,1.3,8664.4,M,-32.8,M,,*43
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:11:50]: <UI>:
> ssa your qth?
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:11:50]: <UI>:
> ssa your qth?
>
> WA1KAT>CQ,CAPSAT*,ROGER,FN42MP [05/04/02 09:11:51]: <UI>:
> ssa your qth?
>
> N1RCA-2>TNC,CAPSAT* [05/04/02 09:12:02]: <<UI>>:
> hopkinton
>
> WA1KAT>BEACON,CAPSAT,ROGER,FN42MP [05/04/02 09:12:10]: <UI>:
> =4239.70N/07057.02W/-Roger in Topsfield MA FN42mp
>
> WA1KAT>BEACON,CAPSAT,ROGER,FN42MP [05/04/02 09:12:10]: <UI>:
> =4239.70N/07057.02W/-Roger in Topsfield MA FN42mp
>
> WA1KAT>BEACON,CAPSAT*,ROGER,FN42MP [05/04/02 09:12:11]: <UI>:
> =4239.70N/07057.02W/-Roger in Topsfield MA FN42mp
>

> N1RCA-2>TNC,CAPSAT* [05/04/02 09:12:12]: <<UI>>:
> nh
>
> N1RCA-11>GPS [05/04/02 09:12:17]: <UI>:
> $GPGGA,154911,4240.107,N,07057.248,W,1,10,1.3,8714.7,M,-32.8,M,,*4C
>
> concord..ok
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:12:25]: <UI>:
> concord..ok
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:12:25]: <UI>:
> concord..ok
>
> WA1KAT>CQ,CAPSAT*,ROGER,FN42MP [05/04/02 09:12:26]: <UI>:
> concord..ok
>
> where is baaloon now?
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:12:46]: <UI>:
> where is baaloon now?
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:12:46]: <UI>:
> where is baaloon now?
>
> WA1KAT>CQ,CAPSAT*,ROGER,FN42MP [05/04/02 09:12:48]: <UI>:
> where is baaloon now?
>
> WA1KAT>BEACON,CAPSAT,ROGER,FN42MP [05/04/02 09:13:10]: <UI>:
> =4239.70N/07057.02W/-Roger in Topsfield MA FN42mp
>
> WA1KAT>BEACON,CAPSAT,ROGER,FN42MP [05/04/02 09:13:10]: <UI>:
> =4239.70N/07057.02W/-Roger in Topsfield MA FN42mp
>
> N1RCA-2>TNC,CAPSAT* [05/04/02 09:13:15]: <<UI>>:
> look at long and lat
>
> N1RCA-11>GPS [05/04/02 09:13:17]: <UI>:
> $GPGGA,155009,4239.371,N,070?6.404,W,1,09,1.3,8820.6,M,-32.8,M,,*4E
>
> KB2SSA>CQ,CAPSAT* [05/04/02 09:13:20]: <UI>:
> way up there
>
> cmon..I cant thik like that..give me a hint
> N1RCA-11>BEACON [05/04/02 09:13:37]: <UI>:
> T#057,137,188,088,047,120,00010011
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:13:43]: <UI>:
> cmon..I cant thik like that..give me a hint
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:13:43]: <UI>:
> cmon..I cant thik like that..give me a hint

>
> WA1KAT>CQ,CAPSAT*,ROGER,FN42MP [05/04/02 09:13:44]: <UI>:
> cmon..I cant thik like that..give me a hint
>
> N1RCA-11>GPS [05/04/02 09:13:47]: <UI>:
> $GPGGA,155039,4238.999,N,07055.968,W,1,10,1.2,8877.6,M,-32.8,M,,*4F
>
> please
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:13:56]: <UI>:
> please
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:13:56]: <UI>:
> please
>
> WA1KAT>CQ,CAPSAT*,ROGER,FN42MP [05/04/02 09:13:56]: <UI>:
> please
>
> WA1KAT>BEACON,CAPSAT,ROGER,FN42MP [05/04/02 09:14:10]: <UI>:
> =4239.70N/07057.02W/-Roger in Topsfield MA FN42mp
>
> WA1KAT>BEACON,CAPSAT,ROGER,FN42MP [05/04/02 09:14:10]: <UI>:
> =4239.70N/07057.02W/-Roger in Topsfield MA FN42mp
>
> WA1KAT>BEACON,CAPSAT*,ROGER,FN42MP [05/04/02 09:14:11]: <UI>:
> =4239.70N/07057.02W/-Roger in Topsfield MA FN42mp
>
> cmd:N1RCA-11>GPS [05/04/02 09:14:17]: <UI>:
> $GPGGA,155109,4238.613,N,07055.535,W,1,10,1.4,8941.4,M,-32.8,M,,*44
>
> becon every 0
> N1RCA-2>TNC,CAPSAT* [05/04/02 09:14:19]: <<UI>>:
> we arent sure right now
>
> $
> EH?
> cmd:beacon every 0
> N1RCA-11>BEACON [05/04/02 09:14:37]: <UI>:
> trhs capsat
>
> BEACON was EVERY 1 min
> cmd:k
> ook ok fair enough..me either
> N1RCA-11>GPS [05/04/02 09:14:47]: <UI>:
> $GPGGA,155139,4238.205,N,07055.104,W,1,10,1.2,9004.6,M,-32.8,M,,*4F
>
> N1RCA-2>TNC,CAPSAT* [05/04/02 09:14:50]: <<UI>>:
>
>
> N1RCA-2>TNC,CAPSAT* [05/04/02 09:14:50]: <<UI>>:
>

>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:14:56]: <UI>:
> ok fair enough..me either
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:14:56]: <UI>:
> ok fair enough..me either
>
> WA1KAT>CQ,CAPSAT*,ROGER,FN42MP [05/04/02 09:14:57]: <UI>:
> ok fair enough..me either
>
> N1RCA-11>ID [05/04/02 09:15:12]: <UI>:
> N1RCA-11/R CAPSAT/D N1RCA-1/B
>
> N1RCA-11>GPS [05/04/02 09:15:17]: <UI>:
> $GPGGA,155209,4237.774,N,07054.660,W,1,10,1.2,9067.3,M,-32.8,M,,*47
>
> KB2SSA>CQ,CAPSAT* [05/04/02 09:15:47]: <UI>:
>
>
> what is altitude? which element?
> N1RCA-11>GPS [05/04/02 09:16:17]: <UI>:
> $GPGGA,155309,4236.868,N,07053.773,W,1,09,0.9,9176.5,M,-32.8,M,,*44
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:16:25]: <UI>:
> what is altitude? which element?
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:16:25]: <UI>:
> what is altitude? which element?
>
> WA1KAT>CQ,CAPSAT*,ROGER,FN42MP [05/04/02 09:16:26]: <UI>:
> what is altitude? which element?
>
> N1RCA-11>GPS [05/04/02 09:16:47]: <UI>:
> $GPGGA,155339,4236.410,N,07053.323,W,1,10,1.0,9222.4,M,-32.8,M,,*46
>
> N1RCA-2>TNC,CAPSAT* [05/04/02 09:16:52]: <<UI>>:
>
>
> N1RCA-2>TNC,CAPSAT* [05/04/02 09:17:00]: <<UI>>:
> meters
>
> N1BHX>CAPSAT,RELAY,WIDE [05/04/02 09:17:05]: <<UI>>:
> =4225.08N/07110.29W- {UIV23N}
>
> N1RCA-11>GPS [05/04/02 09:17:17]: <UI>:
> $GPGGA,155409,4235.949,N,07052.870,W,1,10,1.3,9266.6,M,-32.8,M,,*4D
>
> N1RCA-11>BEACON [05/04/02 09:17:37]: <UI>:
> T#059,137,186,087,046,120,00010011
>

> N1RCA-11>GPS [05/04/02 09:17:47]: <UI>:
> $GPGGA,155439,4235.496,N,07052.410,W,1,09,1.4,9304.3,M,-32.9,M,,*45
>
> N1RCA-11>GPS [05/04/02 09:18:17]: <UI>:
> $GPGGA,155509,4235.055,N,07051.944,W,1,09,1.0,9341.7,M,-32.9,M,,*42
>
> KB2SSA>CQ,CAPSAT* [05/04/02 09:18:21]: <UI>:
>
>
> N1RCA-11>GPS [05/04/02 09:18:47]: <UI>:
> $GPGGA,155539,4234.616,N,07051.468,W,1,10,1.2,9384.5,M,-32.9,M,,*43
>
> N1RCA-11>GPS [05/04/02 09:19:17]: <UI>:
> $GPGGA,155609,4234.180,N,07050.992,W,1,10,1.8,9429.4,M,-32.9,M,,*49
>
> N1RCA-11>BEACON [05/04/02 09:19:37]: <UI>:
> trhs capsat
>
> N1RCA-11>BEACON [05/04/02 09:19:38]: <UI>:
> T#060,136,185,087,046,120,00010011
>
> N1RCA-11>GPS [05/04/02 09:19:47]: <UI>:
> $GPGGA,155639,4233.754,N,07050.517,W,1,09,1.1,9475.4,M,-32.9,M,,*4B
>
> N1RCA-11>GPS [05/04/02 09:20:17]: <UI>:
> $GPGGA,155709,4233.332,N,07050.042,W,1,10,1.1,9519.1,M,-32.9,M,,*4E
>
> N1RCA-11>GPS [05/04/02 09:20:47]: <UI>:
> $GPGGA,155739,4232.908,N,07049.575,W,1,10,1.5,9564.5,M,-32.9,M,,*4C
>
> KB2SSA>CQ,CAPSAT* [05/04/02 09:20:51]: <UI>:
>
>
> N1RCA-11>GPS [05/04/02 09:21:17]: <UI>:
> $GPGGA,155809,4232.483,N,07049.115,W,1,10,1.2,9608.5,M,-32.9,M,,*42
>
> N1RCA-11>BEACON [05/04/02 09:21:37]: <UI>:
> T#061,136,184,086,046,120,00010011
>
> N1RCA-11>GPS [05/04/02 09:21:47]: <UI>:
> $GPGGA,155839,4232.057,N,07048.666,W,1,10,1.4,9653.8,M,-32.9,M,,*4B
>
> N1RCA-11>GPS [05/04/02 09:22:17]: <UI>:
> $GPGGA,155909,4231.627,N,07048.238,W,1,10,0.9,9698.4,M,-32.9,M,,*43
>
> KA1GJU>APRS,N1RCA-11* [05/04/02 09:22:30]: <UI>:
> WA1KAT :test...{0
>
> gju hi
>

> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:22:40]: <UI>:
> gju hi
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:22:40]: <UI>:
> gju hi
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:22:40]: <UI>:
>
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:22:40]: <UI>:
>
>
> WA1KAT>CQ,CAPSAT*,ROGER,FN42MP [05/04/02 09:22:41]: <UI>:
>
>
> KB2SSA>CQ,CAPSAT* [05/04/02 09:22:46]: <UI>:
>
>
> N1RCA-11>GPS [05/04/02 09:22:47]: <UI>:
> $GPGGA,155939,4231.193,N,07047.826,W,1,10,1.2,9741.7,M,-32.9,M,,*4E
>
> KA1GJU>APRS,N1RCA-11* [05/04/02 09:23:03]: <UI>:
> WA1KAT :test...{0
>
> KA1GJU>APRS,N1RCA-11* [05/04/02 09:23:04]: <UI>:
> =4314.25N/07143.80W>NewUser-806-
>
> KA1GJU>APRS,N1RCAgju hi
> -11* [05/04/02 09:23:07]: <UI>:
> WA1KAT :SRY OM looks like a H2O landing...{1
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:23:14]: <UI>:
> gju hi
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:23:14]: <UI>:
> gju hi
>
> WA1KAT>CQ,CAPSAT*,ROGER,FN42MP [05/04/02 09:23:14]: <UI>:
> gju hi
>
> N1RCA-11>GPS [05/04/02 09:23:17]: <UI>:
> $GPGGA,160009,4230.750,N,07047.422,W,1,10,1.6,9788.0,M,-32.9,M,,*44
>
> KA1GJU>APRS,N1RCA-11* [05/04/02 09:23:23]: <UI>:
> WA1KAT :SRY OM looks like a H2O landing...{1
>
> really where?
> KA1GJU>APRS,N1RCA-11* [05/04/02 09:23:36]: <UI>:
> >041006zNONE
>

> N1RCA-11>BEACON [05/04/02 09:23:37]: <UI>:
> T#062,134,183,086,046,121,00010011
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:23:40]: <UI>:
> really where?
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:23:40]: <UI>:
> really where?
>
> WA1KAT>CQ,CAPSAT*,ROGER,FN42MP [05/04/02 09:23:41]: <UI>:
> really where?
>
> N1RCA-11>GPS [05/04/02 09:23:47]: <UI>:
> $GPGGA,160039,4230.298,N,07047.036,W,1,10,1.3,9833.1,M,-32.9,M,,*4C
>
> KA1GJU>APRS,N1RCA-11* [05/04/02 09:24:02]: <UI>:
> =4314.25N/07143.80W>NewUser-806-
>
> KB2SSA>CQ,CAPSAT* [05/04/02 09:24:16]: <UI>:
>
>
> N1RCA-11>GPS [05/04/02 09:24:17]: <UI>:
> $GPGGA,160109,4229.849,N,07046.646,W,1,10,1.2,9873.2,M,-32.9,M,,*46
>
> N1RCA-11>BEACON [05/04/02 09:24:37]: <UI>:
> trhs capsat
>
> N1RCA-11>GPS [05/04/02 09:24:47]: <UI>:
> $GPGGA,160139,4229.399,N,07046.252,W,1,09,1.3,9915.7,M,-32.9,M,,*4F
>
> KB2SSA>CQ,CAPSAT* [05/04/02 09:25:08]: <UI>:
>
>
> N1RCA-11>ID [05/04/02 09:25:16]: <UI>:
> N1RCA-11/R CAPSAT/D N1RCA-1/B
>
> N1RCA-11>GPS [05/04/02 09:25:17]: <UI>:
> $GPGGA,160210,4228.952,N,07045.869,W,1,10,1.0,9957.4,M,-32.9,M,,*44
>
> N1RCA-11>BEACON [05/04/02 09:25:37]: <UI>:
> T#063,135,181,085,046,120,00010011
>
> KA1GJU>APRS,N1RCA-11* [05/04/02 09:25:44]: <UI>:
> =4314.25N/07143.80W>NewUser-806-
>
> N1RCA-11>GPS [05/04/02 09:25:47]: <UI>:
> $GPGGA,160239,4228.511,N,07045.500,W,1,11,1.1,10000.8,M,-32.9,M,,*79
>
> N1RCA-11>GPS [05/04/02 09:26:17]: <UI>:
> $GPGGA,160310,4228.073,N,07045.128,W,1,11,1.3,10048.6,M,-32.9,M,,*7C

>
> gju...Jim?
> KB2SSA>CQ,CAPSAT* [05/04/02 09:26:26]: <UI>:
>
>
> KB2SSA>CQ,CAPSAT* [05/04/02 09:26:27]: <UI>:
>
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:26:28]: <UI>:
> gju...Jim?
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:26:28]: <UI>:
> gju...Jim?
>
> WA1KAT>CQ,CAPSAT*,ROGER,FN42MP [05/04/02 09:26:29]: <UI>:
> gju...Jim?
>
> sri forgot ur name
> N1RCA-11>GPS [05/04/02 09:26:47]: <UI>:
> $GPGGA,160340,4227.635,N,07044.754,W,1,11,1.0,10099.1,M,-32.9,M,,*76
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:26:49]: <UI>:
> sri forgot ur name
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:26:49]: <UI>:
> sri forgot ur name
>
> WA1KAT>CQ,CAPSAT*,ROGER,FN42MP [05/04/02 09:26:49]: <UI>:
> sri forgot ur name
>
> N1RCA-11>GPS [05/04/02 09:27:17]: <UI>:
> $GPGGA,160410,4227.197,N,07044.380,W,1,11,1.4,10153.5,M,-32.9,M,,*71
>
> N1RCA-11>BEACON [05/04/02 09:27:37]: <UI>:
> T#064,135,180,085,045,120,00010011
>
> N1RCA-11>GPS [05/04/02 09:27:47]: <UI>:
> $GPGGA,160440,4226.763,N,07044.003,W,1,11,1.2,10211.7,M,-32.9,M,,*71
>
> cq dx
> N1RCA-11>GPS [05/04/02 09:28:17]: <UI>:
> $GPGGA,160510,4226.335,N,07043.618,W,1,11,0.9,10273.8,M,-32.9,M,,*78
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:28:20]: <UI>:
> cq dx
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:28:20]: <UI>:
> cq dx
>
> WA1KAT>CQ,CAPSAT*,ROGER,FN42MP [05/04/02 09:28:21]: <UI>:

> cq dx
>
> another flt todaay? ight today?
> N1RCA-11>GPS [05/04/02 09:28:47]: <UI>:
> $GPGGA,160540,4225.918,N,07043.227,W,1,11,1.2,10343.2,M,-32.9,M,,*71
>
> KB2SSA>CQ,CAPSAT* [05/04/02 09:28:55]: <UI>:
> wa1kat de kb2ssa in peterborough, nh
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:29:02]: <UI>:
> another flight today?
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:29:02]: <UI>:
> another flight today?
>
> WA1KAT>CQ,CAPSAT*,ROGER,FN42MP [05/04/02 09:29:03]: <UI>:
> another flight today?
>
> Kb2ssa de wa1kat qsl
> N1RCA-2>TNC,CAPSAT* [05/04/02 09:29:13]: <<UI>>:
> soon
>
> N1RCA-11>GPS [05/04/02 09:29:17]: <UI>:
> $GPGGA,160610,4225.508,N,07042.823,W,1,11,1.0,10413.6,M,-32.9,M,,*71
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:29:24]: <UI>:
> Kb2ssa de wa1kat qsl
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:29:24]: <UI>:
> Kb2ssa de wa1kat qsl
>
> WA1KAT>CQ,CAPSAT*,ROGER,FN42MP [05/04/02 09:29:25]: <UI>:
> Kb2ssa de wa1kat qsl
>
> KB2SSA>CQ,CAPSAT* [05/04/02 09:29:34]: <UI>:
> qsl
>
> N1RCA-11>BEACON [05/04/02 09:29:37]: <UI>:
> trhs capsat
>
> N1RCA-11>BEACON [05/04/02 09:29:38]: <UI>:
> T#065,134,179,084,045,120,00010011
>
> N1RCA-11>GPS [05/04/02 09:29:47]: <UI>:
> $GPGGA,160640,4225.099,N,07042.406,W,1,11,1.0,10487.1,M,-33.0,M,,*70
>
> K1KWP-4>4R1V0Y,K1KWP,CAPSAT* [05/04/02 09:29:57]: <<UI>>:
> 'cGUl"&4/]"5s}>>FN42&FN51;K1KWP@...
>
> K1KWP-4>4R1V0Y,K1KWP,CAPSAT* [05/04/02 09:30:02]: <<UI>>:

> 'cGUl"&4/]"5s}>>FN42&FN51;K1KWP@...
>
> kwp hello
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:30:08]: <UI>:
> kwp hello
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:30:09]: <UI>:
> kwp hello
>
> WA1KAT>CQ,CAPSAT*,ROGER,FN42MP [05/04/02 09:30:09]: <UI>:
> kwp hello
>
> q1 th Topsfield Ma
> K1KWP-4>4R1V0Y,CAPSAT* [05/04/02 09:30:26]: <<UI>>:
> 'cGUl"&4/]"5u}>>FN42&FN51;K1KWP@...
>
> K1KWP-4>4R1V0Y,CAPSAT* [05/04/02 09:30:29]: <<UI>>:
> 'cGUl"&4/]"5u}>>FN42&FN51;K1KWP@...
>
> K1KWP-4>4R1V0Y,CAPSAT* [05/04/02 09:30:33]: <<UI>>:
> 'cGUl"&4/]"5u}>>FN42&FN51;K1KWP@...
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:30:35]: <UI>:
> qth Topsfield Ma
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:30:35]: <UI>:
> qth Topsfield Ma
>
> WA1KAT>CQ,CAPSAT*,ROGER,FN42MP [05/04/02 09:30:35]: <UI>:
> qth Topsfield Ma
>
> N1RCA-11>GPS [05/04/02 09:30:47]: <UI>:
> $GPGGA,160740,4224.289,N,07041.505,W,1,10,1.2,10631.8,M,-33.0,M,,*77
>
> cmd:beacon every 1
> BEACON was EVERY 0 (disabled)
> cmd:k
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:31:05]: <UI>:
>
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:31:05]: <UI>:
>
>
> WA1KAT>CQ,CAPSAT*,ROGER,FN42MP [05/04/02 09:31:05]: <UI>:
>
>
> N1RCA-11>GPS [05/04/02 09:31:17]: <UI>:
> $GPGGA,160810,4223.878,N,07041.036,W,1,10,1.0,10702.9,M,-33.0,M,,*79
>

> K1KWP>APW251,CAPSAT* [05/04/02 09:31:19]: <UI>:
> =4216.08N\07143.58WoPHG2110/Kevin;K1KWP@...; Shrewsbury MA
> -251-<530>
>
> k1kwp de wa1kat...qsl?
> N1RCA-11>BEACON [05/04/02 09:31:37]: <UI>:
> T#066,133,178,084,044,120,00010011
>
> N1RCA-11>GPS [05/04/02 09:31:47]: <UI>:
> $GPGGA,160840,4223.460,N,07040.574,W,1,10,1.5,10771.5,M,-33.0,M,,*76
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:31:49]: <UI>:
> k1kwp de wa1kat...qsl?
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:31:49]: <UI>:
> k1kwp de wa1kat...qsl?
>
> k1kwp de wa1kat qsll?
> KA1GJU>APRS,N1RCA-11* [05/04/02 09:32:01]: <UI>:
> K1KWP :howdy..{2
>
> WA1KAT>BEACON,CAPSAT,ROGER,FN42MP [05/04/02 09:32:03]: <UI>:
> =4239.70N/07057.02W/-Roger in Topsfield MA FN42mp
>
> WA1KAT>BEACON,CAPSAT,ROGER,FN42MP [05/04/02 09:32:03]: <UI>:
> =4239.70N/07057.02W/-Roger in Topsfield MA FN42mp
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:32:06]: <UI>:
> k1kwp de wa1kat qsll?
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:32:06]: <UI>:
> k1kwp de wa1kat qsll?
>
> WA1KAT>CQ,CAPSAT*,ROGER,FN42MP [05/04/02 09:32:06]: <UI>:
> k1kwp de wa1kat qsll?
>
> N1RCA-11>GPS [05/04/02 09:32:17]: <UI>:
> $GPGGA,160910,4223.034,N,07040.111,W,1,11,1.2,10835.4,M,-33.0,M,,*78
>
> KA1GJU>APRS,N1RCA-11* [05/04/02 09:32:21]: <UI>:
> K1KWP :howdy..{2
>
> K1KWP>APW251,CAPSAT* [05/04/02 09:32:23]: <UI>:
> :KA1GJU :ack2
>
> K1KWP>APW251,CAPSAT* [05/04/02 09:32:25]: <UI>:
> :KA1GJU :ack2
>
> K1KWP>APW251,CAPSAT* [05/04/02 09:32:35]: <UI>:
> :KA1GJU :73. Shrewsbury MA via the balloon i assume{000

>
> KA1GJU>APRS,N1RCA-11* [05/04/02 09:32:37]: <UI>:
> :K1KWP :ack000
>
> N1RCA-11>GPS [05/04/02 09:32:47]: <UI>:
> $GPGGA,160940,4222.616,N,07039.647,W,1,11,2.2,10764.5,M,-33.0,M,,*79
>
> WA1KAT>BEACON,CAPSAT,ROGER,FN42MP [05/04/02 09:33:03]: <UI>:
> =4239.70N/07057.02W/-Roger in Topsfield MA FN42mp
>
> WA1KAT>BEACON,CAPSAT,ROGER,FN42MP [05/04/02 09:33:03]: <UI>:
> =4239.70N/07057.02W/-Roger in Topsfield MA FN42mp
>
> WA1KAT>BEACON,CAPSAT*,ROGER,FN42MP [05/04/02 09:33:04]: <UI>:
> =4239.70N/07057.02W/-Roger in Topsfield MA FN42mp
>
> N1RCA-11>GPS [05/04/02 09:33:17]: <UI>:
> $GPGGA,161010,4222.217,N,07039.181,W,1,11,1.6,10540.5,M,-33.0,M,,*7F
>
> cmd:beacon every 0
> BEACON was EVERY 1 min
> cmd:N1RCA-11>BEACON [05/04/02 09:33:37]: <UI>:
> T#067,133,177,083,044,120,00010011
>
> k
> K1KWP>APW251,CAPSAT* [05/04/02 09:33:39]: <UI>:
> :KA1GJU :I mistakenly had auto track off....{001
>
> KA1GJU>APRS,N1RCA-11* [05/04/02 09:33:42]: <UI>:
> >041006zNONE
>
> N1RCA-11>GPS [05/04/02 09:33:47]: <UI>:
> $GPGGA,161041,4221.820,N,07038.761,W,1,11,2.5,10319.4,M,-33.0,M,,*74
>
> N1BHX>APU16N [05/04/02 09:34:02]: <<UI>>:
> :KA1GJU :Might make Cape Cod{00
>
> KB2SSA>CQ,CAPSAT* [05/04/02 09:34:05]: <UI>:
>
>
> KB2SSA>CQ,CAPSAT* [05/04/02 09:34:06]: <UI>:
>
>
> N1RCA-11>GPS [05/04/02 09:34:17]: <UI>:
> $GPGGA,161109,4221.434,N,07038.419,W,1,11,1.5,10154.4,M,-33.0,M,,*74
>
> K1KWP>APW251,CAPSAT* [05/04/02 09:34:25]: <UI>:
> :KA1GJU :I mistakenly had auto track off....{001
>
> N1RCA-11>BEACON [05/04/02 09:34:37]: <UI>:

> trhs capsat
>
> N1RCA-11>GPS [05/04/02 09:34:47]: <UI>:
> $GPGGA,161139,4221.004,N,07037.995,W,1,11,1.4,9912.3,M,-33.0,M,,*42
>
> N1RCA-11>ID [05/04/02 09:35:13]: <UI>:
> N1RCA-11/R CAPSAT/D N1RCA-1/B
>
> N1RCA-11>GPS [05/04/02 09:35:17]: <UI>:
> $GPGGA,161209,4220.605,N,07037.619,W,1,11,1.3,9709.7,M,-33.0,M,,*48
>
> N1RCA-2>TNC,CAPSAT* [05/04/02 09:35:18]: <<UI>>:
> no
>
> N1BHX>N1RCA,RELAY,WIDE [05/04/02 09:35:36]: <<UI>>:
> =4225.08N/07110.29W- {UIV23N}
>
> N1RCA-11>BEACON [05/04/02 09:35:37]: <UI>:
> T#068,133,175,083,045,120,00010011
>
> N1RCA-11>GPS [05/04/02 09:35:47]: <UI>:
> $GPGGA,161239,4220.204,N,07037.185,W,1,11,1.4,9506.0,M,-33.0,M,,*41
>
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:35:56]: <UI>:
>
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:35:56]: <UI>:
>
>
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:36:00]: <UI>:
>
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:36:00]: <UI>:
>
>
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:36:15]: <UI>:
>
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:36:15]: <UI>:
>
>
> WA1KAT>CQ,CAPSAT*,ROGER,FN42MP [05/04/02 09:36:16]: <UI>:
>
>
> N1RCA-11>GPS [05/04/02 09:36:17]: <UI>:
> $GPGGA,161310,4219.788,N,07036.742,W,1,11,1.7,9312.6,M,-33.0,M,,*4A
>

> K1KWP>APW251,CAPSAT* [05/04/02 09:36:25]: <UI>:
> :KA1GJU :I mistakenly had auto track off....{001
>
> hi aall ll in hopkinton
> N1RCA-11>GPS [05/04/02 09:36:47]: <UI>:
> $GPGGA,161340,4219.365,N,07036.308,W,1,11,2.3,9091.0,M,-33.0,M,,*4B
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:36:54]: <UI>:
> hi all in hopkinton
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:36:54]: <UI>:
> hi all in hopkinton
>
> K1KWP>APW251,CAPSAT* [05/04/02 09:36:57]: <UI>:
> =4216.08N\07143.58WoPHG2110/Kevin;K1KWP@...; Shrewsbury MA
> -251-<530>
>
> K1KWP>APW251,CAPSAT* [05/04/02 09:37:00]: <UI>:
> =4216.08N\07143.58WoPHG2110/Kevin;K1KWP@...; Shrewsbury MA
> -251-<530>
>
> hi nall in hopkinton
> K1KWP>APW251,CAPSAT* [05/04/02 09:37:04]: <UI>:
> =4216.08N\07143.58WoPHG2110/Kevin;K1KWP@...; Shrewsbury MA
> -251-<530>
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:37:10]: <UI>:
> hi nall in hopkinton
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:37:10]: <UI>:
> hi nall in hopkinton
>
> K1KWP>APW251,CAPSAT* [05/04/02 09:37:14]: <UI>:
> =4216.08N\07143.58WoPHG2110/Kevin;K1KWP@...; Shrewsbury MA
> -251-<530>
>
> N1RCA-11>GPS [05/04/02 09:37:17]: <UI>:
> $GPGGA,161410,4218.939,N,07035.905,W,1,11,1.7,8902.4,M,-33.0,M,,*4E
>
> hi alll in hopkinton
> KB1GUE>CQ,CAPSAT*,FN42IL,GLENN [05/04/02 09:37:21]: <UI>:
> >FN42IL/- CQ from Glenn in E. Mass. - KB1GUE@...
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:37:29]: <UI>:
> hi alll in hopkinton
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:37:29]: <UI>:
> hi alll in hopkinton
>
> KB2SSA>CQ,CAPSAT* [05/04/02 09:37:32]: <UI>:

>
>
> N1BHX>CAPSAT,RELAY,WIDE [05/04/02 09:37:32]: <<UI>>:
> =4225.08N/07110.29W- {UIV23N}
>
> K1KWP>APW251,CAPSAT* [05/04/02 09:37:36]: <UI>:
> =4216.08N\07143.58WoPHG2110/Kevin;K1KWP@...; Shrewsbury MA
> -251-<530>
>
> N1RCA-11>BEACON [05/04/02 09:37:37]: <UI>:
> T#069,131,174,083,044,121,00010011
>
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:37:42]: <UI>:
>
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:37:42]: <UI>:
>
>
> N1RCA-11>GPS [05/04/02 09:37:47]: <UI>:
> $GPGGA,161440,4218.529,N,07035.500,W,1,11,1.7,8730.0,M,-33.0,M,,*44
>
> hi all
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:37:59]: <UI>:
> hi all
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:37:59]: <UI>:
> hi all
>
> KA1GJU>APRS,N1RCA-11* [05/04/02 09:38:04]: <UI>:
> K1KWP :Test link.{4
>
> K1KWP>APW251,CAPSAT* [05/04/02 09:38:07]: <UI>:
> :KA1GJU :ack4
>
> N1RCA-11>GPS [05/04/02 09:38:17]: <UI>:
> $GPGGA,161510,4218.165,N,07035.122,W,1,11,2.1,8521.9,M,-33.0,M,,*46
>
> K1KWP>APW251,CAPSAT* [05/04/02 09:38:27]: <UI>:
> :KA1GJU :looks like it might be falling now{002
>
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:38:32]: <UI>:
>
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:38:32]: <UI>:
>
>
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:38:35]: <UI>:

>
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:38:35]: <UI>:
>
>
> WA1KAT>CQ,CAPSAT*,ROGER,FN42MP [05/04/02 09:38:36]: <UI>:
>
>
> KB2SSA>CQ,CAPSAT* [05/04/02 09:38:37]: <UI>:
>
>
> KB1GUE>CQ,CAPSAT*,FN42IL,GLENN [05/04/02 09:38:41]: <UI>:
> >FN42IL/- CQ from Glenn in E. Mass. - KB1GUE@...
>
> N1RCA-11>GPS [05/04/02 09:38:47]: <UI>:
> $GPGGA,sri glenn forgot ur name
> 161540,4217.820,N,07034.731,W,1,11,1.2,8343.0,M,-33.0,M,,*4A
>
> N1BHX>APU16N [05/04/02 09:38:59]: <<UI>>:
> :KA1GJU :Might make Cape Cod{00
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:39:02]: <UI>:
> sri glenn forgot ur name
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:39:02]: <UI>:
> sri glenn forgot ur name
>
> WA1KAT>CQ,CAPSAT*,ROGER,FN42MP [05/04/02 09:39:03]: <UI>:
> sri glenn forgot ur name
>
> CAP002>N1RCA-2 [05/04/02 09:39:15]: <<UA>>:
> CAP002>N1RCA-2 [05/04/02 09:39:15]: <<I00>>:
> 8 12 6 3 2 9
> 13 7 4 2 1 9
> 5 3 2 1 1 1
>
> K1KWP>APW251,CAPSAT* [05/04/02 09:39:16]: <UI>:
> =4216.08N\07143.58WoPHG2110/Kevin;K1KWP@...; Shrewsbury MA
> -251-<530>
>
> N1RCA-11>GPS [05/04/02 09:39:17]: <UI>:
> $GPGGA,161610,4217.473,N,07034.324,W,1,11,1.1,8170.0,M,-33.0,M,,*47
>
> CAP002>N1RCA-2 [05/04/02 09:39:20]: <<UA>>:
> CAP002>N1RCA-2 [05/04/02 09:39:20]: <<I00>>:
> 8 12 6 3 2 9
> 13 7 4 2 1 9
> 5 3 2 1 1 1
>
> CAP002>N1RCA-2 [05/04/02 09:39:25]: <<RR0>>:

> CAP002>N1RCA-2 [05/04/02 09:39:29]: <<RR0>>:
> CAP002>N1RCA-2 [05/04/02 09:39:34]: <<RR0>>:
> CAP002>N1RCA-2 [05/04/02 09:39:37]: <<RR0>>:
> N1RCA-11>BEACON [05/04/02 09:39:37]: <UI>:
> trhs capsat
>
> N1RCA-11>BEACON [05/04/02 09:39:38]: <UI>:
> T#070,131,172,082,044,118,00010011
>
> CAP002>N1RCA-2 [05/04/02 09:39:45]: <<RR0>>:
> N1RCA-11>GPS [05/04/02 09:39:47]: <UI>:
> $GPGGA,161640,4217.140,N,07033.919,W,1,11,1.4,7992.1,M,-33.0,M,,*4B
>
> CAP002>N1RCA-2 [05/04/02 09:39:48]: <<RR0>>:
> CAP002>N1RIA-2 [05/04/02 09:39:52]: <<RR0>>:
> CAP002>N1RCA-2 [05/04/02 09:39:57]: <<RR0>>:
> CAP002>N1RCA-2 [05/04/02 09:40:01]: <<RR0>>:
> [AP002>N1RCA-2 [05/04/02 09:40:05]: <<RR0>>:
> CAP002>N1RCA-2 [05/04/02 09:40:09]: <<D>>:
> CAP002>N1RCA-2 [05/04/02 09:40:13]: <<D>>:
> CAP002>N1RCA-2 [05/04/02 09:40:21]: <<D>>:
> OAP002>N1RCA-2 [05/04/02 09:40:25]: <<D>>:
> KA1GJU>APRS,N1RCA-11* [05/04/02 09:40:28]: <UI>:
> K1KWP :Not gud enuf sig for me hr at hstrdrs...{5
>
> KA1GJU>APRS,N1RCA-11* [05/04/02 09:40:29]: <UI>:
> K1KWP :Not gud enuf sig for me hr at hstrdrs...{5
>
> K=KWP>APW251,CAPSAT* [05/04/02 09:40:30]: <UI>:
> :KA1GJU :ack5
>
> K1KWP>APW251,CAPSAT* [05/04/02 09:40:31]: <UI>:
> :KA1GJU :ack5
>
> CAP002>N1RCA-2 [05/04/02 09:40:33]: <<D>>:
> KB2SSA>CQ,CAPSAT* [05/04/02 09:40:34]: <UI>:
>
>
> CAP002>N1RCA-2 [05/04/02 09:40:39]: <<D>>:
> CAP002>N1RCA-2 [05/04/02 09:40:43]: <<D>>:
> N1RCA-11>GPS [05/04/02 09:40:47]: <UI>:
> $GPGGA,161739,4216.562,N,07033.102,W,1,11,1.6,7679.9,M,-33.0,M,,*43
>
> CAP002>N1RCA-2 [05/04/02 09:40:47]: <<D>>:
> CAP002>N1RCA-2 [05/04/02 09:40:51]: <<D>>:
> CAP002>N1RCA-2 [05/04/02 09:40:55]: <<D>>:
> K1KWP>APW251,CAPSAT* [05/04/02 09:41:02]: <UI>:
> :KA1GJU :still good here....fn41{003
>
> KA1GJU>APRS,N1RCA-11* [05/04/02 09:41:04]: <UI>:

> K1KWP :test link...{6
>
> K1KWP>APW251,CAPSAT* [05/04/02 09:41:05]: <UI>:
> :KA1GJU :ack6
>
> N1RCA-11>GPS [05/04/02 09:41:17]: <UI>:
> $GPGGA,161809,4216.288,N,07032.604,W,1,10,2.1,7531.1,M,-33.0,M,,*4E
>
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:41:20]: <UI>:
>
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:41:20]: <UI>:
>
>
> WA1KAT>CQ,CAPSAT*,ROGER,FN42MP [05/04/02 09:41:21]: <UI>:
>
>
> KB2SSA>CQ,CAPSAT* [05/04/02 09:41:23]: <UI>:
> peterborough, nh s5-9 here
>
> K1KWP>APW251,CAPSAT* [05/04/02 09:41:26]: <UI>:
> :KA1GJU :ack5
>
> K1KWP>APW251,CAPSAT* [05/04/02 09:41:26]: <UI>:
> :KA1GJU :still good here....fn41{003
>
> N1RCA-11>BEACON [05/04/02 09:41:37]: <UI>:
> T#071,130,170,081,044,120,00010011
>
> hills here, in valley
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:42:01]: <UI>:
> hills here, in valley
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:42:01]: <UI>:
> hills here, in valley
>
> hills here, in vayyey
> KB2SSA>CQ,CAPSAT* [05/04/02 09:42:05]: <UI>:
>
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:42:13]: <UI>:
> hills here, in vayyey
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:42:13]: <UI>:
> hills here, in vayyey
>
> WA1KAT>CQ,CAPSAT*,ROGER,FN42MP [05/04/02 09:42:14]: <UI>:
> hills here, in vayyey
>

> N1RCA-11>GPS [05/04/02 09:42:17]: <UI>:
> $GPGGA,161909,4215.770,N,07031.640,W,1,10,1.5,7223.7,M,-33.0,M,,*48
>
> valley
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:42:22]: <UI>:
> valley
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:42:22]: <UI>:
> valley
>
> valley
> K1KWP>APW251,CAPSAT* [05/04/02 09:42:26]: <UI>:
> :KA1GJU :still good here....fn41{003
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:42:29]: <UI>:
> valley
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:42:29]: <UI>:
> valley
>
> valley
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:42:37]: <UI>:
> valley
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:42:37]: <UI>:
> valley
>
> valey
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:42:43]: <UI>:
> valey
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:42:43]: <UI>:
> valey
>
> valley
> N1RCA-11>GPS [05/04/02 09:42:47]: <UI>:
> $GPGGA,161939,4215.549,N,07031.181,W,1,10,1.9,7082.9,M,-33.0,M,,*42
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:42:50]: <UI>:
> valley
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:42:50]: <UI>:
> valley
>
> valley
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:43:01]: <UI>:
> valley
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:43:01]: <UI>:
> valley

>
> K1KWP>APW251,CAPSAT* [05/04/02 09:43:06]: <UI>:
> :ALL :73 from shrewsbury MA {004
>
> 73 from Topsfield
> N1RCA-11>GPS [05/04/02 09:43:17]: <UI>:
> $GPGGA,162009,4215.296,N,07030.751,W,1,09,1.6,6949.0,M,-33.1,M,,*44
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:43:19]: <UI>:
> 73 from Topsfield
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:43:19]: <UI>:
> 73 from Topsfield
>
> 73
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:43:26]: <UI>:
> 73
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:43:26]: <UI>:
> 73
>
> 73
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:43:31]: <UI>:
> 73
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:43:31]: <UI>:
> 73
>
> WA1KAT>CQ,CAPSAT*,ROGER,FN42MP [05/04/02 09:43:31]: <UI>:
> 73
>
> N1RCA-11>BEACON [05/04/02 09:43:38]: <UI>:
> T#072,130,168,080,043,120,00010011
>
> N1RCA-11>GPS [05/04/02 09:43:47]: <UI>:
> $GPGGA,162039,4215.026,N,07030.331,W,1,09,1.5,6812.5,M,-33.1,M,,*45
>
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:44:07]: <UI>:
>
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:44:07]: <UI>:
>
>
> WA1KAT>CQ,CAPSAT*,ROGER,FN42MP [05/04/02 09:44:07]: <UI>:
>
>
> N1RCA-11>GPS [05/04/02 09:44:17]: <UI>:
> $GPGGA,162110,4214.763,N,07029.910,W,1,09,1.6,6681.9,M,-33.1,M,,*42
>

> K1KWP>APW251,CAPSAT* [05/04/02 09:44:27]: <UI>:
> :ALL :looks like it might make it to near provincetown cape
> cod{005
>
> N1RCA-11>BEACON [05/04/02 09:44:37]: <UI>:
> trhs capsat
>
> KA1GJU>APRS,CAPSAT* [05/04/02 09:44:47]: <UI>:
> =4314.25N/07143.80W>NewUser-806-
>
> N1RCA-11>GPS [05/04/02 09:44:47]: <UI>:
> $GPGGA,162140,4214.500,N,07029.490,W,1,09,1.9,6551.0,M,-33.1,M,,*4D
>
> K1KWP>APW251,CAPSAT* [05/04/02 09:45:26]: <UI>:
> :ALL :looks like it might make it to near provincetown cape
> cod{005
>
> tnx kwp
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:45:37]: <UI>:
> tnx kwp
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:45:37]: <UI>:
> tnx kwp
>
> N1RCA-11>BEACON [05/04/02 09:45:38]: <UI>:
> T#073,129,166,079,043,120,00010011
>
> WA1KAT>CQ,CAPSAT*,ROGER,FN42MP [05/04/02 09:45:38]: <UI>:
> tnx kwp
>
> K1KWP-4>4R1V0Y,CAPSAT* [05/04/02 09:45:41]: <<UI>>:
> 'cGUl"&4/]"5{}>>FN42&FN51;K1KWP@...
>
> N1RCA-11>GPS [05/04/02 09:46:17]: <UI>:
> $GPGGA,162310,4213.699,N,07028.219,W,1,09,1.5,6189.8,M,-33.1,M,,*4D
>
> K1KWP>APW251,CAPSAT* [05/04/02 09:46:26]: <UI>:
> :ALL :looks like it might make it to near provincetown cape
> cod{005
>
> KD6NA>CQ,CAPSAT*,FN42IH,JIM [05/04/02 09:46:46]: <<UI>>:
>
>
> N1RCA-11>GPS [05/04/02 09:46:47]: <UI>:
> $GPGGA,162340,4213.421,N,07027.811,W,1,09,1.6,6070.2,M,-33.1,M,,*4A
>
> K1KWP>APW251,CAPSAT* [05/04/02 09:46:51]: <UI>:
> =4216.08N\07143.58WoPHG2110/Kevin;K1KWP@...; Shrewsbury MA
> -251-<530>
>

> kd6na de wa1kat
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:47:01]: <UI>:
> kd6na de wa1kat
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:47:01]: <UI>:
> kd6na de wa1kat
>
> kd6na de wa1kt
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:47:12]: <UI>:
> kd6na de wa1kt
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:47:12]: <UI>:
> kd6na de wa1kt
>
> WA1KAT>CQ,CAPSAT*,ROGER,FN42MP [05/04/02 09:47:13]: <UI>:
> kd6na de wa1kt
>
> N1RCA-11>GPS [05/04/02 09:47:17]: <UI>:
> $GPGGA,162410,4213.143,N,07027.404,W,1,09,1.0,5952.1,M,-33.1,M,,*4E
>
> K1KWP>APW251,CAPSAT* [05/04/02 09:47:26]: <UI>:
> :ALL :looks like it might make it to near provincetown cape
> cod{005
>
> N1RCA-11>BEACON [05/04/02 09:47:38]: <UI>:
> T#074,130,165,079,043,119,00010011
>
> N1RCA-11>GPS [05/04/02 09:47:47]: <UI>:
> $GPGGA,162440,4212.869,N,07026.971,W,1,09,1.8,5831.1,M,-33.1,M,,*49
>
> K1KWP>APW251,CAPSAT* [05/04/02 09:48:17]: <UI>:
> =4216.08N\07143.58WoPHG2110/Kevin;K1KWP@...; Shrewsbury MA
> -251-<530>
>
> N1RCA-11>GPS [05/04/02 09:48:17]: <UI>:
> $GPGGA,162510,4212.572,N,07026.521,W,1,09,1.1,5706.4,M,-33.1,M,,*44
>
> K1KWP>APW251,CAPSAT* [05/04/02 09:48:23]: <UI>:
> =4216.08N\07143.58WoPHG2110/Kevin;K1KWP@...; Shrewsbury MA
> -251-<530>
>
> cmd:beacon every 1
> BEACON was EVERY 0 (disabled)
> cmd:k
>
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:48:45]: <UI>:
>
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:48:45]: <UI>:

>
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:48:46]: <UI>:
>
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:48:46]: <UI>:
>
>
> WA1KAT>CQ,CAPSAT*,ROGER,FN42MP [05/04/02 09:48:46]: <UI>:
>
>
> WA1KAT>CQ,CAPSAT*,ROGER,FN42MP [05/04/02 09:48:47]: <UI>:
>
>
> N1RCA-11>GPS [05/04/02 09:48:47]: <UI>:
> $GPGGA,162540,4212.368,N,07026.148,W,1,09,0.9,5582.2,M,-33.1,M,,*46
>
> KD6NA>CQ,CAPSAT*,FN42IH,JIM [05/04/02 09:48:56]: <<UI>>:
>
>
> hi jim
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:49:07]: <UI>:
> hi jim
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:49:07]: <UI>:
> hi jim
>
> hi jim
> KB1GUE>CQ,CAPSAT*,FN42IL,GLENN [05/04/02 09:49:13]: <UI>:
> :K1KWP : Hi from Glenn in Bedford Ma. - KB1GUE@...
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:49:14]: <UI>:
> hi jim
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:49:14]: <UI>:
> hi jim
>
> KD6NA>CQ,CAPSAT*,FN42IH,JIM [05/04/02 09:49:20]: <<UI>>:
> Hi Roger
>
> qth?
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:49:32]: <UI>:
> qth?
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:49:32]: <UI>:
> qth?
>
> qth?
> N1RCA-11>BEACON [05/04/02 09:49:37]: <UI>:
> trhs capsat

>
> N1RCA-11>BEACON [05/04/02 09:49:38]: <UI>:
> T#075,129,163,078,042,120,00010011
>
> WA1KAT>BEACON,CAPSAT,ROGER,FN42MP [05/04/02 09:49:42]: <UI>:
> =4239.70N/07057.02W/-Roger in Topsfield MA FN42mp
>
> WA1KAT>BEACON,CAPSAT,ROGER,FN42MP [05/04/02 09:49:42]: <UI>:
> =4239.70N/07057.02W/-Roger in Topsfield MA FN42mp
>
> N1RCA-11>GPS [05/04/02 09:49:47]: <UI>:
> $GPGGA,162640,4211.833,N,07025.456,W,1,09,1.6,5319.7,M,-33.1,M,,*45
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:49:49]: <UI>:
> qth?
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:49:49]: <UI>:
> qth?
>
> K1KWP>APW251,CAPSAT* [05/04/02 09:50:16]: <UI>:
> =4216.08N\07143.58WoPHG2110/Kevin;K1KWP@...; Shrewsbury MA
> -251-<530>
>
> N1RCA-11>GPS [05/04/02 09:50:17]: <UI>:
> $GPGGA,162710,4211.603,N,07025.104,W,1,09,1.9,5186.1,M,-33.1,M,,*43
>
> K1KWP>APW251,CAPSAT* [05/04/02 09:50:26]: <UI>:
> :KB1GUE :73. Kevin. Shrewsbury. Still have good signal{006
>
> is the height 55000 000 meters?
> WA1KAT>BEACON,CAPSAT,ROGER,FN42MP [05/04/02 09:50:42]: <UI>:
> =4239.70N/07057.02W/-Roger in Topsfield MA FN42mp
>
> WA1KAT>BEACON,CAPSAT,ROGER,FN42MP [05/04/02 09:50:42]: <UI>:
> =4239.70N/07057.02W/-Roger in Topsfield MA FN42mp
>
> WA1KAT>BEACON,CAPSAT*,ROGER,FN42MV [05/04/02 09:50:43]: <UI>:
> =4239.70N/07057.02W/-Roger in Topsfield MA FN42mp
>
> N1RCA-11>GPS [05/04/02 09:50:47]: <UI>:
> $GPGGA,162740,4211.412,N,07024.750,W,1,09,0.9,5049.2,M,-33.1,M,,*42
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:50:56]: <UI>:
> is the height 5000 meters?
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:50:56]: <UI>:
> is the height 5000 meters?
>
> is the height 5000 meters?
> KB1GUE>CQ,CAPSAT*,FN42IL,GLENN [05/04/02 09:51:10]: <UI>:

> :K1KWP : Thx contact 73 - KB1GUE@...
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:51:17]: <UI>:
> is the height 5000 meters?
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:51:17]: <UI>:
> is the height 5000 meters?
>
> K1KWP>APW251,CAPSAT* [05/04/02 09:51:26]: <UI>:
> :KB1GUE :73. Kevin. Shrewsbury. Still have good signal{006
>
> KB1GUE>CQ,CAPSAT*,FN42IL,GLENN [05/04/02 09:51:34]: <UI>:
> :K1KWP : Thx contact 73 - KB1GUE@...
>
> K1KWP>APW251,CAPSAT* [05/04/02 09:51:36]: <UI>:
> =4216.08N\07143.58WoPHG2110/Kevin;K1KWP@...; Shrewsbury MA
> -251-<530>
>
> WA1KAT>BEACON,CAPSAT,ROGER,FN42MP [05/04/02 09:51:42]: <UI>:
> =4239.70N/07057.02W/-Roger in Topsfield MA FN42mp
>
> WA1KAT>BEACON,CAPSAT,ROGER,FN42MP [05/04/02 09:51:42]: <UI>:
> =4239.70N/07057.02W/-Roger in Topsfield MA FN42mp
>
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:51:47]: <UI>:
>
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:51:47]: <UI>:
>
>
> KB1GUE>CQ,CAPSAT*,FN42IL,GLENN [05/04/02 09:51:48]: <UI>:
> :K1KWP : Thx contact 73 - KB1GUE@...
>
> N1RCA-11>GPS [05/04/02 09:52:17]: <UI>:
> $GPGGA,162910,4210.839,N,07023.690,W,1,09,1.2,4613.9,M,-33.1,M,,*4E
>
> K1KWP>APW251,CAPSAT* [05/04/02 09:52:26]: <UI>:
> :KB1GUE :73. Kevin. Shrewsbury. Still have good signal{006
>
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:52:39]: <UI>:
>
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:52:39]: <UI>:
>
>
> WA1KAT>BEACON,CAPSAT,ROGER,FN42MP [05/04/02 09:52:42]: <UI>:
> =4239.70N/07057.02W/-Roger in Topsfield MA FN42mp
>

> WA1KAT>BEACON,CAPSAT,ROGER,FN42MP [05/04/02 09:52:42]: <UI>:
> =4239.70N/07057.02W/-Roger in Topsfield MA FN42mp
>
> N1RCA-11>GPS [05/04/02 09:52:47]: <UI>:
> $GPGGA,162940,4210.634,N,07023.387,W,1,09,0.9,4469.1,M,-33.1,M,,*46
>
> K1KWP>APW251,CAPSAT* [05/04/02 09:52:50]: <UI>:
> =4216.08N\07143.58WoPHG2110/Kevin;K1KWP@...; Shrewsbury MA
> -251-<530>
>
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:52:57]: <UI>:
>
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:52:57]: <UI>:
>
>
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:53:06]: <UI>:
>
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:53:06]: <UI>:
>
>
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:53:09]: <UI>:
>
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:53:09]: <UI>:
>
>
> N1RCA-11>GPS [05/04/02 09:53:17]: <UI>:
> $GPGGA,163010,4210.444,N,07023.127,W,1,09,1.2,4327.4,M,-33.1,M,,*44
>
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:53:30]: <UI>:
>
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:53:30]: <UI>:
>
>
> N1RCA-11>BEACON [05/04/02 09:53:38]: <UI>:
> T#077,127,161,077,042,119,00010011
>
> WA1KAT>BEACON,CAPSAT,ROGER,FN42MP [05/04/02 09:53:42]: <UI>:
> =4239.70N/07057.02W/-Roger in Topsfield MA FN42mp
>
> WA1KAT>BEACON,CAPSAT,ROGER,FN42MP [05/04/02 09:53:42]: <UI>:
> =4239.70N/07057.02W/-Roger in Topsfield MA FN42mp
>

> N1RCA-11>GPS [05/04/02 09:53:47]: <UI>:
> $GPGGA,163040,4210.215,N,07022.921,W,1,09,1.1,4194.5,M,-33.1,M,,*44
>
> cmd:beacon every 0
> BEACON was EVERY 1 min
> cmd:k
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:54:01]: <UI>:
>
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:54:01]: <UI>:
>
>
> N1RCA-11>GPS [05/04/02 09:54:17]: <UI>:
> $GPGGA,163110,4210.005,N,07022.684,W,1,09,1.2,4065.2,M,-33.1,M,,*48
>
> N1RCA-11>BEACON [05/04/02 09:54:37]: <UI>:
> trhs capsat
>
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:54:45]: <UI>:
>
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:54:45]: <UI>:
>
>
> N1RCA-11>ID-10 [05/04/02 09:54:55]: <UI>:
> Z1RCA-11/R sAP?AT/D N1RCY-1?C
>
> N1RCA-11>BEACON [05/04/02 09:55:38]: <UI>:
> T#078,129,160,076,042,119,00010011
>
> N1RCA-11>GPS [05/04/02 09:55:47]: <UI>:
> $GPGGA,163240,4209.465,N,07021.988,W,1,09,0.9,3714.5,M,-33.1,M,,*4F
>
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:56:16]: <UI>:
>
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:56:16]: <UI>:
>
>
> N1RCA-11>GPS [05/04/02 09:56:17]: <UI>:
> $GPGGA,163310,4209.306,N,07021.718,W,1,09,1.0,3606.1,M,-33.1,M,,*40
>
> NRCA-11>GPS [05/04/02 09:56:47]: <UI>:
> $GPGGA,163340,4209.125,N,<7021.469,W,1*09,1.2,3504.4,M,-33.1,M,,*45
>
> N1RCA-11>GPS [05/04/02 09:57:17]: <UI>:
> $GPGGA,163410,4208.969,N,07021.149,W,1,09,1.0,3413.6,M,-33.1,M,,*46

>
> N1RCA-11>BEACON [05/04/02 09:57:38]: <UI>:
> T#079,126,159,077,042,119,00010010=
> N1RCA-11>GPS [05/04/02 09:57:47]: <UI>:
> $GPGGA,163441,4208.804,N,07020.908,W,1,09,1.1,3328.4,M,-33.1,M,,*48
>
> N1RCA-11>GPS [05/04/02 09:58:17]: <UI>:
> $GPGGA,163511,4208.569,N,07020.640,W,1,09,1.2,3243.5,M,-33.1,M,,*47
>
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:58:21]: <UI>:
>
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:58:21]: <UI>:
>
>
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:58:25]: <UI>:
>
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 09:58:25]: <UI>:
>
>
> N1RCA-11>GPS [05/04/02 09:58:47]: <UI>:
> $GPGGA,163540,4208.407,N,07020.259,W,1,09,1.1,3156.0,M,-33.1,M,,*47
>
> N1RCA-11>BEACON [05/04/02 09:59:37]: <UI>:
> trhs capsat
>
> N1RCA-11>BEACON [05/04/02 09:59:38]: <UI>:
> T#080,128,158,077,042,119,00010011
>
> N1RCA-11>GPS [05/04/02 09:59:47]: <UI>:
> $GPGGA,163641,4208.057,N,07019.56;,W,1,08,1.0,2956.1,M,-33.1,M,**43
>
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 10:00:09]: <UI>:
>
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 10:00:09]: <UI>:
>
>
> N1RCA-11>GPS [05/04/02 10:00:47]: <UI>:
> $GPGGA,163741,4207.637,N,07019.152,W,1,09,1.2,2745.4,M,-33.1,M,,*4A
>
> N1RCA-11>GPS [05/04/02 10:01:17]: <UI>:
> &GPGGA,163811,4207.419,N,07018.873,W,1,09,1.1,2642.2,M,-33.1,M,,*46
>
> N1RCA-11>BEACON [05/04/02 10:01:38]: <UI>:
> T#081,127,158,077,042,119,00010011

>
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 10:01:46]: <UI>:
>
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 10:01:47]: <UI>:
>
>
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 10:01:50]: <UI>:
>
>
> WA1KAT>CQ,CAPSAT,ROGER,FN42MP [05/04/02 10:01:50]: <UI>:
>
>
> N1RCA-12>GPS [05/04/02 10:01:59]: <UI>:
> $GPGGA,163852,4313.550,N,07142.247,W,1,09,0.9,2002.8,M,-32.6,M,,*4D
>
> N1RCA-11>GPS [05/04/02 10:02:17]: <UI>:
> $GPGGA,163909,4207.066,N,07018.429,W,1,09,1.6,2453.0,M,-33.1,M,,*46
>
>
> _____
> Do You Yahoo!?
> Yahoo! Health - your guide to health and wellness
> http://health.yahoo.com
>

2698. RH Sensors Are Here

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-06 17:20:15 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2698 Message: 2698

I have 20 RH sensors now. They're about 3/8" in diameter and cost $6 a piece. If you expressed an interest in getting some, please send your money now. Include a printed address that I can put on the package (that way the post office doesn't have to read my handwriting). Also include an extra $1 for my cost of shipping. Over the next couple of days, I'll design and shoot a RH and temperature PCB. Anyone who buys a RH sensor will get a free board and directions.

The board will work with the BS as a mini-weather station or with a near space capsule.

Paul
207 Crestline #3
Caldwell, ID 83605

2699. Cutdown and GPSL

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-06 17:22:38 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2699 Message: 2699

Zack, I dropped your cutdown in the mail this morning.

Anyone else wanting a cutdown board?

Mark I got your check Saturday. I won't deposit it until I find out if there's going to be any proceedings. The helium cost is dependent on us getting at least six tanks.

Paul

2700. Re: [tvnsp] Re: More Cutdowns

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-06 14:27:26 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2668 Message: 2700

A 5v reed relay, 2N3904 transistor, and 1N4001 diode. At the top
you bolt the coil of nichrome. The board is about 1" by 2".

Paul

>
> > I have about 6 cutdown boards left.
>
> Paul,
>
> What components go on this board?
>
> Hank
>
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>

2701. Re: RH Sensors Are Here

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-06 20:17:13 UTC
From: n1ltv
Topic: 2698 Message: 2701

Paul,

Could you please post a data sheet before we send
money?

If you have something, don't send it to my regular
email if it's over 20k. A better way might be
to upload to the TVNSP files area.

I guess you've never heard anything about the
missing TVNSP capsule since you posted here last.

Hank

2702. Re: Cutdown and GPSL

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-06 20:22:05 UTC
From: n1ltv
Topic: 2699 Message: 2702

> I won't deposit it until I find out if
> there's going to be any proceedings.

Paul,

The wording on the GPSL site should be changed immediately
so as not to mislead people into thinking the proceedings
are a sure thing.

Hank

2703. Re: [tvnsp] Re: RH Sensors Are Here

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-06 22:18:55 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2698 Message: 2703

There's no data sheets with the sensors. As I recall, I emailed a
webpage for the data sheet. The company is called Humirel and
the sensors are their HS1101.

No word on the capsule, as of yet.

Paul

> Could you please post a data sheet before we send
> money?

> I guess you've never heard anything about the
> missing TVNSP capsule since you posted here last.

2704. RE: [tvnsp] Flight testing

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-06 21:49:35 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 2679 Message: 2704

For what it's worth, this is what I got at my QTH in Nampa.

Bill B.

KD4STH-11 43.715158 -116.16269 O/$RMC:041652,A SPD=26.5 TRK=46.7 2002/05/04 16:54:54 GPSPO,W7AFM-10*,WIDE3-2
KD4STH-11 43.633803 -116.28411 O/$RMC:041600,A SPD=0.0 TRK=359.9 2002/05/04 16:02:55 GPSPO,W7AFM-10*,WIDE3-2
KD4STH-11 43.626662 -116.28399 O/$GGA:155857 Sat=7 HDOP=1.3 ALT=2797 Ft 2002/05/04 16:01:40 GPSPO,W7AFM-10*,WIDE3-2
KD4STH-11 43.626497 -116.28078 O/$GGA:155659 Sat=7 HDOP=1.3 ALT=2849 Ft 2002/05/04 15:59:41 GPSPO,W7AFM-10*,WIDE3-2
KD4STH-11 43.62651 -116.28084 O/$RMC:041554,A SPD=0.0 TRK=0 2002/05/04 15:56:56 GPSPO,W7AFM-10*,WIDE3-2
KD4STH-11 43.626507 -116.28083 O/$GGA:155358 Sat=7 HDOP=1.3 ALT=2828 Ft 2002/05/04 15:56:40 GPSPO,W7AFM-10*,WIDE3-2
KD4STH-11 43.626492 -116.2808 O/$RMC:041553,A SPD=0.0 TRK=0 2002/05/04 15:55:57 GPSPO,W7AFM-10*,WIDE3-2
KD4STH-11 43.6265 -116.28085 O/$RMC:041551,A SPD=0.0 TRK=0 2002/05/04 15:53:55 GPSPO,W7AFM-10*,WIDE3-2
KD4STH-11 43.626497 -116.28085 O/$GGA:155059 Sat=7 HDOP=1.6 ALT=2817 Ft 2002/05/04 15:53:41 GPSPO,W7AFM-10*,WIDE3-2
KD4STH-11 43.626493 -116.28084 O/$GGA:154959 Sat=6 HDOP=1.7 ALT=2805 Ft 2002/05/04 15:52:40 GPSPO,W7AFM-10*,WIDE3-2
KD4STH-11 43.626447 -116.28093 O/$GGA:154559 Sat=7 HDOP=1.3 ALT=2797 Ft 2002/05/04 15:48:41 GPSPO,W7AFM-10*,WIDE3-2
KD4STH-11 43.62649 -116.28092 O/$GGA:154059 Sat=6 HDOP=1.4 ALT=2801 Ft 2002/05/04 15:43:40 GPSPO,W7AFM-10*,WIDE3-2
KD4STH-11 43.626502 -116.28093 O/$GGA:153759 Sat=7 HDOP=1.4 ALT=2811 Ft 2002/05/04 15:40:40 GPSPO,W7AFM-10*,WIDE3-2
KD4STH-11 43.626485 -116.28093 O/$GGA:153559 Sat=7 HDOP=1.4 ALT=2810 Ft 2002/05/04 15:38:41 GPSPO,W7AFM-10*,WIDE3-2
KD4STH-11 43.626493 -116.28093 O/$GGA:153358 Sat=7 HDOP=1.4 ALT=2802 Ft 2002/05/04 15:36:40 GPSPO,W7AFM-10*,WIDE3-2
KD4STH-11 43.668742 -116.67165 O/$RMC:041524,V SPD=0.0 TRK=0 2002/05/04 15:27:07 GPSPO,W7AFM-10*,WIDE3-2

2705. RE: Provisional lat/lon file conversion format

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-06 23:19:28 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 2705 Message: 2705

Well doing the line without the time is real easy.
here you go. I'm going to hold off on the time thing until you know better
what you need. Headed home for the night, away from email.

```
#!/usr/local/bin/perl -w

my $debug = 1;
my $INFILE = "latlong.txt";
my $OUTFILE = "latlong.out";
my $OUTFILE2 = "latlong.out2";

print "This is Latlong.pl\n" if $debug;

open (TheINFILE, "cat $INFILE |") || die "Cant open INFILE $INFILE $!\n";
open (TheOUTFILE, ">$OUTFILE") || die "Cant open OUTFILE $OUTFILE $!\n";
open (TheOUTFILE2, ">$OUTFILE2") || die "Cant open OUTFILE $OUTFILE2 $!\n";

while (<TheINFILE>)
{
chomp;

#This is where your patern matching stuff goes to take OUT the lines
#that you DONT want to see in the output

if ($_ =~ /^$/){next}; #Kill Blank lines

#Just grab the NMEA lines with numeric characters after for now
if ($_ =~ /^\$GPGGA.[0-9]/)
{
my $line = $_;
#if we made it this far, then print it, it must be what we want.
print "$_\n" if $debug;
@NMEA = split(',', $line);
print ("splitting $NMEA[2]\n") if $debug;
@LAT = split('', $NMEA[2]);
@LONG = split('', $NMEA[4]);

# The "TheOUTFILE" thing sends the next line to the outfile we want
to create.

print ( "$LAT[0]$LAT[1]
$LAT[2]$LAT[3]$LAT[4]$LAT[5]$LAT[6]$LAT[7], $LONG[0]$LONG[1]
$LONG[2]$LONG[3]$LONG[4]$LONG[5]$LONG[6]$LONG[7]$LONG[8]\n");
print (TheOUTFILE "$LAT[0]$LAT[1]
$LAT[2]$LAT[3]$LAT[4]$LAT[5]$LAT[6]$LAT[7], $LONG[0]$LONG[1]
$LONG[2]$LONG[3]$LONG[4]$LONG[5]$LONG[6]$LONG[7]$LONG[8]\n");
```

```
}
}
close (TheINFILE);
close (TheOUTFILE);
close (TheOUTFILE2);

print ("\n\nThis file has created a file called \"latlong.out\" and
\"latlong.out2\" \nwith the same output you just got on the screen\n\n");
print ("\n\nQuestions comments? ritz\@...\n\n\n");

> -----Original Message-----
> From: Hank Riley [mailto:n1ltv@...]

> David,
>
> This is provisional in that the exact format may be
> modified in a few days. I sent this before to you
> through the yahoogroups website.
>
> Could you please copy your messages to this address
> since I don't receive tvnsp email (I read it through
> the web)?
>
> Hank
> ------------------------------------------------------------------
>
>
> N1RCA-11>GPS [05/04/02 09:05:47]: <UI>:
> $GPGGA,154240,4244.789,N,07102.953,W,1,09,1.1,8138.0,M,-32.8,M,,*42
>
>
> Every line that begins N1RCA-11>GPS is followed by a $GPGCA line
>
>
>
> Convert every such line pair in the following manner:
>
>
> 42 44.789, 71 02.953, 09:05:47
>
>
> By a program switch, convert every $GPGGA in the following
> manner:
>
> 42 44.789, 71 02.953
>
> _____________________________________________
> Do You Yahoo!?
> Yahoo! Health - your guide to health and wellness
> http://health.yahoo.com
>
```

2706. Re: [tvnsp] Extracting lat/lon from packet log files

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-07 00:22:47 UTC
From: Zack Clobes
Topic: 2692 Message: 2706

I'm using some Visual Basic code to decrypt my logs. I'm gradually cleaning the code up as I run the logs through it, but so far it isn't exactly presentable.. :-)

----- Original Message -----
From: n1ltv
To: tvnsp@yahoogroups.com
Sent: Monday, May 06, 2002 10:09 AM
Subject: [tvnsp] Extracting lat/lon from packet log files

I need to get the lat/lons out of a couple
of files as soon as possible.

Would appreciate your suggestions on ways to
do this automatically by program, as opposed to
hand editing.

Mark has a way, Zack must have, and Rick had
a website link at one time to something he
devised, but the link as given in TVNSP a few
months back doesn't seem to be working.

Hank

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2707. Re: Extracting lat/lon from packet log files

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-07 01:09:29 UTC
From: n1ltv
Topic: 2692 Message: 2707

Thanks to David, Mark, and Zack for responding
to this inquiry (and Rick from EOSS for a related
question).

Mark off list said in a hurry (because he's off on
business all week) that he uses Excel.

I'm using a combination of hand editing and Excel
to do one file, and I hope to use David's to do
the next one.

This is not something that should be done manually
at all. I guess it's of interest mostly to
balloon group leaders, but something has to be
written and posted to do this nasty chore.

Hank

2708. Re: [tvnsp] Re: Extracting lat/lon from packet log files

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-07 02:56:18 UTC
From: Zack Clobes
Topic: 2692 Message: 2708

I had nothing better to do this evening so I cleaned my code up a little bit.. :-) I've posted it to http://www.rckara.org/project_traveler/software/. I'm not sure it's going to help you though, Hank, since it only decodes GPGGA and GPRMC strings. Also, you would still need to clean out any extra GPGGA or GPRMC data that happens to be in the log (from other stations).

I also posted some GPS Simulator software that I wrote last fall to help simulate a GPS going up to altitude and back. Basically, you'd plug your controller into your PC (as if the PC's serial port were the RS-232 data from the GPS) and start this thing up. It pumps out GGA and RMC strings once every second until you shut it down. It came in really handy for testing my controller board to get it to snap pictures at specific heights.

Be forewarned, both of these programs are quite rough around the edges - use them at your own risk.
Zack Clobes, W0ZC
Project: Traveler

----- Original Message -----
From: n1ltv
To: tvnsp@yahoogroups.com
Sent: Monday, May 06, 2002 8:09 PM
Subject: [tvnsp] Re: Extracting lat/lon from packet log files

Thanks to David, Mark, and Zack for responding
to this inquiry (and Rick from EOSS for a related
question).

Mark off list said in a hurry (because he's off on
business all week) that he uses Excel.

I'm using a combination of hand editing and Excel
to do one file, and I hope to use David's to do
the next one.

This is not something that should be done manually
at all. I guess it's of interest mostly to
balloon group leaders, but something has to be
written and posted to do this nasty chore.

Hank

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2709. Re: [tvnsp] Re: RH Sensors Are Here

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-07 06:09:43 UTC
From: Michael Gray
Topic: 2698 Message: 2709

The web link to the company is: http://www.humirel.com

The data sheet is located at: http://www.humirel.com/data/HS1101.pdf

Is the offer to buy a couple of these open to other balloon groups?

Thank you,
Michael Gray, http://www.kd7lmo.net
ANSR - Arizona Near Space Research, http://www.ansr.org

At 03:18 PM 5/6/2002 -700, you wrote:
>There's no data sheets with the sensors. As I recall, I emailed a
>webpage for the data sheet. The company is called Humirel and
>the sensors are their HS1101.
>
>No word on the capsule, as of yet.
>
>Paul
>
>> Could you please post a data sheet before we send
>> money?
>
>> I guess you've never heard anything about the
>> missing TVNSP capsule since you posted here last.
>
>
>
>To unsubscribe from this group, send an email to:
>tvnsp-unsubscribe@egroups.com
>
>
>
>Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>

2710. Re: [tvnsp] Re: RH Sensors Are Here

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-07 14:30:05 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2698 Message: 2710

> Is the offer to buy a couple of these open to other balloon groups?

You bet it is. I have $120 worth of these things to get rid of!

Thanks,
Paul

2711. Re: RH Sensors Are Here

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-07 14:01:51 UTC
From: n1ltv
Topic: 2698 Message: 2711

Paul,

I'll be sticking to my original order number of
2 of these sensors unless you end up with some
unclaimed.

When may I call you tonight?

Hank

2712. Re: [tvnsp] Re: RH Sensors Are Here

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-07 14:32:48 UTC
From: Mike Garske
Topic: 2698 Message: 2712

Paul, I will take two RH sensors, although I won't pick them up until the
next meeting. Thanks!

Mike KC7DPD
----- Original Message -----
From: <verhap@...>
To: <tvnsp@yahoogroups.com>
Sent: Tuesday, May 07, 2002 8:30 AM
Subject: Re: [tvnsp] Re: RH Sensors Are Here

> > Is the offer to buy a couple of these open to other balloon groups?
>
> You bet it is. I have $120 worth of these things to get rid of!
>
> Thanks,
> Paul
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
>
>

2713. Re: [tvnsp] Re: RH Sensors Are Here

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-07 16:59:26 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2698 Message: 2713

> I'll be sticking to my original order number of
> 2 of these sensors unless you end up with some
> unclaimed.

I'll give people until summer sometime to finish ordering sensors.
By late June, I imagine, you can get some more.

> When may I call you tonight?

I was thinking about my schedule. The best time will be Thursday.
Anytime after 5:00 should be fine. I'll be working with Jeff on his
near space stuff.

Paul

2714. Re: [tvnsp] Re: RH Sensors Are Here

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-07 19:10:47 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2698 Message: 2714

I had students run a test with the RH sensor. You can use the
RCTIME command with the sensor. Use a 10Mohm resitor though,
because the RH sensor has a capacitance of 180 picos.

Paul

2715. sail

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-07 18:33:39 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 2715 Message: 2715

Hey all,
I'm done with my near craft experiment/class project and would
like to sell

1)one GPS Tripmate by DeLorme (unmodified) $40

2)one GPS Tripmate by DeLorme (modified with the TinyTrakII built in
(fully functional just hook it to a radio and you have a
station that can be tracked) $60

3)Anyone interested in a complete NEAR craft controller? working?
Basic Stamp 2 and all peripherals working perfectly... programming
software, manual (everything) for $60. Basically this is just a
basic stamp 2 development kit....

4)the Alinco radio that is so popular with near folks (unmodified)
DJ-S11T how about $70 (brand new, no scratches mint condition)
I have the box manual receipt etc etc...

Thanks!
Dave

--
David Ritzenthaler - Hewlett-Packard, Boise ID
Musician - Academic - Hardware Design Engr.
208.396.3618 - david_ritzenthaler@...
http://www.findu.com/cgi-bin/find.cgi?KC7NFZ-8

2716. RE: [tvnsp] sail

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-07 18:45:39 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 2715 Message: 2716

did i really send that out with the subject "sail".
I really need to slow down :)

-----Original Message-----
From: RITZENTHALER,DAVID (HP-Boise,ex1) [mailto:david_ritzenthaler@...]
Sent: Tuesday, May 07, 2002 12:34 PM
To: Hamradio Club (E-mail)
Cc: Near (E-mail)
Subject: [tvnsp] sail

Hey all,
I'm done with my near craft experiment/class project and would
like to sell

1)one GPS Tripmate by DeLorme (unmodified) $40

2)one GPS Tripmate by DeLorme (modified with the TinyTrakII built in
(fully functional just hook it to a radio and you have a
station that can be tracked) $60

3)Anyone interested in a complete NEAR craft controller? working?
Basic Stamp 2 and all peripherals working perfectly... programming
software, manual (everything) for $60. Basically this is just a
basic stamp 2 development kit....

4)the Alinco radio that is so popular with near folks (unmodified)
DJ-S11T how about $70 (brand new, no scratches mint condition)
I have the box manual receipt etc etc...

Thanks!
Dave

--
David Ritzenthaler - Hewlett-Packard, Boise ID
Musician - Academic - Hardware Design Engr.
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81:HM/A=1036972/R=0/*http://www.ediets.com/start.cfm?code=3466> Click Here!

<http://us.adserver.yahoo.com/l?M=194081.2021092.3499911.1829184/D=egroupmai
l/S=1705083281:HM/A=1036972/rand=303224879>

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2717. Re: [tvnsp] sail

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-07 19:33:09 UTC
From: Tim Rynearson
Topic: 2715 Message: 2717
Attachments: 2 described; binary payloads are missing from this source WARC

Dave,
I'm VERY interested in 2 and 4......I participate every year in the women
s challenge cycle race and these two items would add nicely to my tracking
equipment.....

Tim, N7UBO
n7ubo@...

-------Original Message-------

From:tvnsp@yahoogroups.com
Date: Tuesday, May 07, 2002 12:05:10 PM
To:Hamradio Club (E-mail)
Cc:Near (E-mail)
Subject: [tvnsp] sail

Hey all,
I'm done with my near craft experiment/class project and would
like to sell

1)one GPS Tripmate by DeLorme (unmodified) $40

2)one GPS Tripmate by DeLorme (modified with the TinyTrakII built in
(fully functional just hook it to a radio and you have a
station that can be tracked) $60

3)Anyone interested in a complete NEAR craft controller? working?
Basic Stamp 2 and all peripherals working perfectly... programming
software, manual (everything) for $60. Basically this is just a
basic stamp 2 development kit....

4)the Alinco radio that is so popular with near folks (unmodified)
DJ-S11T how about $70 (brand new, no scratches mint condition)
I have the box manual receipt etc etc...

Thanks!
Dave

--
David Ritzenthaler - Hewlett-Packard, Boise ID
Musician - Academic - Hardware Design Engr.
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2718. Re: [tvnsp] sail (sale)

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-08 00:20:42 UTC
From: Jeff Melanson
Topic: 2718 Message: 2718

David,

I'm interested in your unmodified GPS Tripmate (item 1). If
Tim changes his mind about item 2 (the modified GPS with
TinyTrack II) then I'll be interested in that also.

Jeff
KD7INN

"RITZENTHALER,DAVID (HP-Boise,ex1)" wrote:
> Hey all,
> I'm done with my near craft experiment/class project and would
> like to sell
>
> 1)one GPS Tripmate by DeLorme (unmodified) $40
>
> 2)one GPS Tripmate by DeLorme (modified with the TinyTrakII built in
> (fully functional just hook it to a radio and you have a
> station that can be tracked) $60
>
> 3)Anyone interested in a complete NEAR craft controller? working?
> Basic Stamp 2 and all peripherals working perfectly... programming
> software, manual (everything) for $60. Basically this is just a
> basic stamp 2 development kit....
>
> 4)the Alinco radio that is so popular with near folks (unmodified)
> DJ-S11T how about $70 (brand new, no scratches mint condition)
> I have the box manual receipt etc etc...
>
> Thanks!
> Dave
>
> --
> David Ritzenthaler - Hewlett-Packard, Boise ID
> Musician - Academic - Hardware Design Engr.
> 208.396.3618 - david_ritzenthaler@...
> http://www.findu.com/cgi-bin/find.cgi?KC7NFZ-8
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2719. Re: [tvnsp] RH Sensors Are Here

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-08 03:03:18 UTC
From: Randy Farley
Topic: 2698 Message: 2719

Paul
If you still have any RH sensor kits, i would like one. Late again
monitoring my mail.If you want to save postage, i can wait for
next meeting. Let me know your preference.

verhap@... wrote:
>
> I have 20 RH sensors now. They're about 3/8" in diameter and cost
> $6 a piece. If you expressed an interest in getting some, please
> send your money now. Include a printed address that I can put on
> the package (that way the post office doesn't have to read my
> handwriting). Also include an extra $1 for my cost of shipping.
> Over the next couple of days, I'll design and shoot a RH and
> temperature PCB. Anyone who buys a RH sensor will get a free
> board and directions.
>
> The board will work with the BS as a mini-weather station or with a
> near space capsule.
>
> Paul
> 207 Crestline #3
> Caldwell, ID 83605
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

--
Regards,

Randy Farley
N7GPS -Ham Call-
Find Me at: http://map.findu.com/n7gps*

2720. Re: [tvnsp] sail

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-08 03:16:41 UTC
From: Randy Farley
Topic: 2715 Message: 2720

David
I would like item #3 if it is not sold yet.
Let me know how you want to make the transaction.
BTW, have you tried this GPS simulator at: http://www.sailsoft.nl/
Maybe that is where you got the sail subject line ?

"RITZENTHALER,DAVID (HP-Boise,ex1)" wrote:
>
> Hey all,
> I'm done with my near craft experiment/class project and would
> like to sell
>
> 1)one GPS Tripmate by DeLorme (unmodified) $40
>
> 2)one GPS Tripmate by DeLorme (modified with the TinyTrakII built in
> (fully functional just hook it to a radio and you have a
> station that can be tracked) $60
>
> 3)Anyone interested in a complete NEAR craft controller? working?
> Basic Stamp 2 and all peripherals working perfectly... programming
> software, manual (everything) for $60. Basically this is just a
> basic stamp 2 development kit....
>
> 4)the Alinco radio that is so popular with near folks (unmodified)
> DJ-S11T how about $70 (brand new, no scratches mint condition)
> I have the box manual receipt etc etc...
>
> Thanks!
> Dave
>
> --
> David Ritzenthaler - Hewlett-Packard, Boise ID
> Musician - Academic - Hardware Design Engr.
> 208.396.3618 - david_ritzenthaler@...
> http://www.findu.com/cgi-bin/find.cgi?KC7NFZ-8
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
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>
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--
Regards,

Randy Farley
N7GPS -Ham Call-
Find Me at: http://map.findu.com/n7gps*

2721. RMC GPS

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-08 03:33:53 UTC
From: Randy Farley
Topic: 2721 Message: 2721

The following was taken from the national aprs sig.
I was wondering if any one has used or is familiar with
the gps(s) mentioned below for balloon travels. The price
is right !! and no display to worry about. Haven't had
time to investigate them myself.
I have only used Garmin units so far and trust them.

The RandMcNally GPS "mouse" (just antenna and receiver but no display,
that
is intended for use with a PC) is available for $80 or so on the RMC
website,
and is an excellent performer. You sometimes see it bundled with a
(not very
good) Street Atlas "wannbe", Streetfinder, for about $120-$130.
The RMC works great with a D700 -- just supply it with 5 VDC and
connect
it to the D700 GPS jack.

Recently someone on this list said they got a Pharos IGPS-180 (the
really
tiny unit) for $130 from an online source (normally they sell for
$180-200).

--
Regards,

Randy Farley
N7GPS -Ham Call-
Find Me at: http://map.findu.com/n7gps*

2722. Re: [tvnsp] Saturday's Test (and next launch)

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-08 04:11:13 UTC
From: Bill Herrmann
Topic: 2651 Message: 2722

Anybody have a report on how Saturday's test went? (I was out of town so missed both the test and Sunday's meeting.)

Has a next launch date been picked? Volunteer time is filling up fast. I figured out Saturday that I had no less than 4 volunteer activities I could have been at...

Bill

2723. Re: [tvnsp] RH Sensors Are Here

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-08 14:19:41 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2698 Message: 2723

> If you still have any RH sensor kits, i would like one. Late again
> monitoring my mail.If you want to save postage, i can wait for
> next meeting. Let me know your preference.

I'll bring a bunch of RH sensors with me.

Paul

2724. Re: [tvnsp] RH Sensors Are Here

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-08 13:21:03 UTC
From: Stephanie Steele
Topic: 2698 Message: 2724

I'd like to get one from you at the next meeting if you have some left. Thanks!

Stephanie

verhap@... wrote:

I have 20 RH sensors now. They're about 3/8" in diameter and cost
$6 a piece. If you expressed an interest in getting some, please
send your money now. Include a printed address that I can put on
the package (that way the post office doesn't have to read my
handwriting). Also include an extra $1 for my cost of shipping.
Over the next couple of days, I'll design and shoot a RH and
temperature PCB. Anyone who buys a RH sensor will get a free
board and directions.

The board will work with the BS as a mini-weather station or with a
near space capsule.

Paul
207 Crestline #3
Caldwell, ID 83605

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--
Stephanie

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

Are you tired of sending out email that shows the wear and tear of being forwarded 50
times. Are you tired of getting this same type of mail that is hard or impossible to read.
Try out Message Cleaner. I use it and I recommend it. Here is a link to get your own copy.

Here's a link to a very handy email clean-up utility, check it out:

http://www.RoundhillSoftware.com/MessageCleaner?H6Ldj2XpI

****
****

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2725. Lloyd's RH Sensors

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-08 14:25:50 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2725 Message: 2725

Lloyd, I replied to your email and it bounced back. So I'll reply here.

I don't have a Paypal account, so just send a check for the RH
sensors to my apartment at:

207 Crestline #3
Caldwell, ID 83605

Paul

2726. Re: [tvnsp] RH Sensors Are Here

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-08 14:19:17 UTC
From: Doug Rich
Topic: 2698 Message: 2726

Paul, would you bring some to the VOI meeting tonight? I am sure you could dump some there. Also at the MPUG meeting.

Doug

At 07:19 AM 5/8/02 -0700, you wrote:
> > If you still have any RH sensor kits, i would like one. Late again
> > monitoring my mail.If you want to save postage, i can wait for
> > next meeting. Let me know your preference.
>
>I'll bring a bunch of RH sensors with me.
>
>Paul

2727. Re: [tvnsp] Saturday's Test (and next launch)

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-08 14:28:11 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2651 Message: 2727

> Anybody have a report on how Saturday's test went? (I was out of town so
> missed both the test and Sunday's meeting.)

I don't know how the test went. We had position reports up the
mountain and at the top. On the way down the capsule was
transmitting telemetry, but we don't show a track down the
mountain.

I have no idea if this was a glitch on the tracker we were using or
the capsule. If there were other trackers running in the area, we
could at least localize the problem.

Paul

>
> Has a next launch date been picked? Volunteer time is filling up fast. I
> figured out Saturday that I had no less than 4 volunteer activities I could
> have been at...
>
> Bill
>
>
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
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>
>

2728. RE: [tvnsp] sail

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-08 14:56:00 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 2715 Message: 2728

Hello Randy,
It's yours!
nope, the subject line was simply me going TOO FAST.
:)

Where do you live/work? Am I going to need to ship this?
I'm at HP cloverdale/Chinden.

-----Original Message-----
From: Randy Farley [mailto:rdfarley@...]
Sent: Tuesday, May 07, 2002 9:17 PM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] sail

David
I would like item #3 if it is not sold yet.
Let me know how you want to make the transaction.
BTW, have you tried this GPS simulator at: http://www.sailsoft.nl/
<http://www.sailsoft.nl/>
Maybe that is where you got the sail subject line ?

"RITZENTHALER,DAVID (HP-Boise,ex1)" wrote:
>
> Hey all,
> I'm done with my near craft experiment/class project and would
> like to sell
>
> 1)one GPS Tripmate by DeLorme (unmodified) $40
>
> 2)one GPS Tripmate by DeLorme (modified with the TinyTrakII built in
> (fully functional just hook it to a radio and you have a
> station that can be tracked) $60
>
> 3)Anyone interested in a complete NEAR craft controller? working?
> Basic Stamp 2 and all peripherals working perfectly... programming
> software, manual (everything) for $60. Basically this is just a
> basic stamp 2 development kit....
>
> 4)the Alinco radio that is so popular with near folks (unmodified)
> DJ-S11T how about $70 (brand new, no scratches mint condition)
> I have the box manual receipt etc etc...
>
> Thanks!
> Dave
>
> --

> David Ritzenthaler - Hewlett-Packard, Boise ID
> Musician - Academic - Hardware Design Engr.
> 208.396.3618 - david_ritzenthaler@...
> http://www.findu.com/cgi-bin/find.cgi?KC7NFZ-8
<http://www.findu.com/cgi-bin/find.cgi?KC7NFZ-8>
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
<http://docs.yahoo.com/info/terms/>

--
Regards,

Randy Farley
N7GPS -Ham Call-
Find Me at: http://map.findu.com/n7gps* <http://map.findu.com/n7gps*>

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6014.2032696.3508022.1829184/D=egroupweb/S=1705083281:HM/A=1000239/R=1>

<http://us.adserver.yahoo.com/l?M=226014.2032696.3508022.1829184/D=egroupmai
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2729. RE: [tvnsp] sail (sale)

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-08 14:59:05 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 2718 Message: 2729

all 4 items are now spoken for.
Thanks everyone for the fast response!
Dave

-----Original Message-----
From: Jeff Melanson [mailto:kd7inn@...]
Sent: Tuesday, May 07, 2002 6:21 PM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] sail (sale)

David,

I'm interested in your unmodified GPS Tripmate (item 1). If
Tim changes his mind about item 2 (the modified GPS with
TinyTrack II) then I'll be interested in that also.

Jeff
KD7INN

"RITZENTHALER,DAVID (HP-Boise,ex1)" wrote:
>
> Hey all,
> I'm done with my near craft experiment/class project and would
> like to sell
>
> 1)one GPS Tripmate by DeLorme (unmodified) $40
>
> 2)one GPS Tripmate by DeLorme (modified with the TinyTrakII built in
> (fully functional just hook it to a radio and you have a
> station that can be tracked) $60
>
> 3)Anyone interested in a complete NEAR craft controller? working?
> Basic Stamp 2 and all peripherals working perfectly... programming
> software, manual (everything) for $60. Basically this is just a
> basic stamp 2 development kit....
>
> 4)the Alinco radio that is so popular with near folks (unmodified)
> DJ-S11T how about $70 (brand new, no scratches mint condition)
> I have the box manual receipt etc etc...
>
> Thanks!
> Dave
>
> --
> David Ritzenthaler - Hewlett-Packard, Boise ID
> Musician - Academic - Hardware Design Engr.

> 208.396.3618 - david_ritzenthaler@...
> http://www.findu.com/cgi-bin/find.cgi?KC7NFZ-8
<http://www.findu.com/cgi-bin/find.cgi?KC7NFZ-8>
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81:HM/A=1036972/R=0/*http://www.ediets.com/start.cfm?code=3466> Click Here!

<http://us.adserver.yahoo.com/l?M=194081.2021092.3499911.1829184/D=egroupmai
l/S=1705083281:HM/A=1036972/rand=871971582>

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2730. Re: Extracting lat/lon from packet log files

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-08 15:09:36 UTC
From: n1ltv
Topic: 2692 Message: 2730

>I'm not sure it's going to help you though, Hank, since it only
>decodes GPGGA and GPRMC strings. Also, you would still need to
>clean out any extra GPGGA or GPRMC data that happens to be in the
>log (from other stations).

It worked great with what I had. Thank you, Zack.

Hank

2731. Re: [tvnsp] RH Sensors Are Here

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-08 17:05:29 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2698 Message: 2731

I'll bring some tonight.

Paul

> Paul, would you bring some to the VOI meeting tonight? I am sure you could
> dump some there. Also at the MPUG meeting.
>
> Doug
>
> At 07:19 AM 5/8/02 -0700, you wrote:
> > > If you still have any RH sensor kits, i would like one. Late again
> > > monitoring my mail.If you want to save postage, i can wait for
> > > next meeting. Let me know your preference.
> >
> >I'll bring a bunch of RH sensors with me.
> >
> >Paul
>

2732. Re: [tvnsp] sail

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-08 16:41:22 UTC
From: randy farley
Topic: 2715 Message: 2732

On Wed, 8 May 2002 07:56:00 -0700
"RITZENTHALER,DAVID (HP-Boise,ex1)"
<david_ritzenthaler@...> wrote:
> Hello Randy,
> It's yours!
> nope, the subject line was simply me going TOO FAST.
> :)
>
> Where do you live/work? Am I going to need to ship this?
> I'm at HP cloverdale/Chinden.

David,i live and work in Fruitland. If you are in no
hurry i can wait and pick it up at our next TVNSP meeting
at Hobby Town. Or maybe one of the members closer to you
could pick it up and hold it for me.
I don't plan on going to Boise until the next meeting.

If you need to close your books quicky, then ship it to:

Randy D. Farley
1405 NW 17th St.
Fruitland,ID 83619

Let me know the shipping cost and i will get a check
or money order to you ASAP.
reply with your address to: rdfarley@... or
rfarley@....

I think my first try at this reply did not get through so i
hope it is not a duplicate.
is not a duplicate.
>
>
> -----Original Message-----
> From: Randy Farley [mailto:rdfarley@...]
> Sent: Tuesday, May 07, 2002 9:17 PM
> To: tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] sail
>
>
> David
> I would like item #3 if it is not sold yet.
> Let me know how you want to make the transaction.
> BTW, have you tried this GPS simulator at:
> http://www.sailsoft.nl/
> <http://www.sailsoft.nl/>

> Maybe that is where you got the sail subject line ?
>
>
> "RITZENTHALER,DAVID (HP-Boise,ex1)" wrote:
> >
> > Hey all,
> > I'm done with my near craft experiment/class project
> and would
> > like to sell
> >
> > 1)one GPS Tripmate by DeLorme (unmodified) $40
> >
> > 2)one GPS Tripmate by DeLorme (modified with the
> TinyTrakII built in
> > (fully functional just hook it to a radio and you
> have a
> > station that can be tracked) $60
> >
> > 3)Anyone interested in a complete NEAR craft
> controller? working?
> > Basic Stamp 2 and all peripherals working perfectly...
> programming
> > software, manual (everything) for $60. Basically this
> is just a
> > basic stamp 2 development kit....
> >
> > 4)the Alinco radio that is so popular with near folks
> (unmodified)
> > DJ-S11T how about $70 (brand new, no scratches
> mint condition)
> > I have the box manual receipt etc etc...
> >
> > Thanks!
> > Dave
> >
> > --
> > David Ritzenthaler - Hewlett-Packard, Boise ID
> > Musician - Academic - Hardware Design Engr.
> > 208.396.3618 - david_ritzenthaler@...
> > http://www.findu.com/cgi-bin/find.cgi?KC7NFZ-8
> <http://www.findu.com/cgi-bin/find.cgi?KC7NFZ-8>
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> <http://docs.yahoo.com/info/terms/>
>
> --
> Regards,
>
> Randy Farley
> N7GPS -Ham Call-
> Find Me at: http://map.findu.com/n7gps*
> <http://map.findu.com/n7gps*>
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>
6014.2032696.3508022.1829184/D=egroupweb/S=1705083281:HM/A=1000239/R=1>
>
>
>
<http://us.adserver.yahoo.com/l?M=226014.2032696.3508022.1829184/D=egroupmai
> l/S=1705083281:HM/A=1000239/rand=454934234>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to the Yahoo! Terms
> of Service
> <http://docs.yahoo.com/info/terms/> .
>
>

regards,

Randy

2733. Re: [tvnsp] sail

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-09 00:05:09 UTC
From: Jeff Melanson
Topic: 2715 Message: 2733

David,

If you will be at the next TVNSP meeting I will pick up the
unmodified Tripmate from you there. If that won't work for
you let me know and we'll make other arrangements.

Jeff
KD7INN

"RITZENTHALER,DAVID (HP-Boise,ex1)" wrote:
>
> Hey all,
> I'm done with my near craft experiment/class project and would
> like to sell
>
> 1)one GPS Tripmate by DeLorme (unmodified) $40
>
> 2)one GPS Tripmate by DeLorme (modified with the TinyTrakII built in
> (fully functional just hook it to a radio and you have a
> station that can be tracked) $60
>
> 3)Anyone interested in a complete NEAR craft controller? working?
> Basic Stamp 2 and all peripherals working perfectly... programming
> software, manual (everything) for $60. Basically this is just a
> basic stamp 2 development kit....
>
> 4)the Alinco radio that is so popular with near folks (unmodified)
> DJ-S11T how about $70 (brand new, no scratches mint condition)
> I have the box manual receipt etc etc...
>
> Thanks!
> Dave
>
> --
> David Ritzenthaler - Hewlett-Packard, Boise ID
> Musician - Academic - Hardware Design Engr.
> 208.396.3618 - david_ritzenthaler@...
> http://www.findu.com/cgi-bin/find.cgi?KC7NFZ-8
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
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2734. Hats

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-09 05:39:59 UTC
From: Jeff Melanson
Topic: 2734 Message: 2734

TVNSP group,

If you want a hat with your name and call sign for $6.00 contact Doug W7DVR. He believes you can add TVNSP to the hat. Doug can tell us more.

Jeff

2735. Re: [tvnsp] Hats

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-09 14:16:53 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2734 Message: 2735

> TVNSP group,
>
> If you want a hat with your name and call sign for $6.00
> contact Doug W7DVR. He believes you can add TVNSP to the
> hat. Doug can tell us more.

I'm going to do this. Can we round up some people to get TVNSP hats?

Paul

2736. RE: [tvnsp] sail

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-09 15:33:48 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 2715 Message: 2736

sorry everything has been spoken for.

-----Original Message-----
From: Jeff Melanson [mailto:kd7inn@...]
Sent: Wednesday, May 08, 2002 6:05 PM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] sail

David,

If you will be at the next TVNSP meeting I will pick up the
unmodified Tripmate from you there. If that won't work for
you let me know and we'll make other arrangements.

Jeff
KD7INN

"RITZENTHALER,DAVID (HP-Boise,ex1)" wrote:
>
> Hey all,
> I'm done with my near craft experiment/class project and would
> like to sell
>
> 1)one GPS Tripmate by DeLorme (unmodified) $40
>
> 2)one GPS Tripmate by DeLorme (modified with the TinyTrakII built in
> (fully functional just hook it to a radio and you have a
> station that can be tracked) $60
>
> 3)Anyone interested in a complete NEAR craft controller? working?
> Basic Stamp 2 and all peripherals working perfectly... programming
> software, manual (everything) for $60. Basically this is just a
> basic stamp 2 development kit....
>
> 4)the Alinco radio that is so popular with near folks (unmodified)
> DJ-S11T how about $70 (brand new, no scratches mint condition)
> I have the box manual receipt etc etc...
>
> Thanks!
> Dave
>
> --
> David Ritzenthaler - Hewlett-Packard, Boise ID
> Musician - Academic - Hardware Design Engr.
> 208.396.3618 - david_ritzenthaler@...
> http://www.findu.com/cgi-bin/find.cgi?KC7NFZ-8

<http://www.findu.com/cgi-bin/find.cgi?KC7NFZ-8>
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> To unsubscribe from this group, send an email to:
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2737. Saturday Test?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-09 15:06:38 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2737 Message: 2737

I'd like to run another test of the near space capsule electronics. This time I'll use alkalines. I want to find out if the capsule can be tracked for four hours wihout trackers losing track of it. This test is to look into the problem we experienced last weekend.

Can I get a committment for trackers? You don't have to go on the field trip, but I need to know people will be watching the capsule. I also need more than one person to watch.

Paul

2738. Re: [tvnsp] Saturday Test?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-09 17:18:13 UTC
From: John Knapp
Topic: 2737 Message: 2738

If everything goes right I will be able to track from
home. I will know for sure tomorrow. Are we talking
about 9:00am Saturday morning? And you will be on the
24 repeater?

JohnK
KD7HGS
--- verhap@... wrote:
> I'd like to run another test of the near space
> capsule electronics.
> This time I'll use alkalines. I want to find out if
> the capsule can be
> tracked for four hours wihout trackers losing track
> of it. This test is
> to look into the problem we experienced last
> weekend.
>
> Can I get a committment for trackers? You don't
> have to go on the
> field trip, but I need to know people will be
> watching the capsule. I
> also need more than one person to watch.
>
> Paul
>

_____
Do You Yahoo!?
Yahoo! Shopping - Mother's Day is May 12th!
http://shopping.yahoo.com

2739. Re: [tvnsp] Saturday Test?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-09 18:26:48 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2737 Message: 2739

Yes on everything.

Paul
> If everything goes right I will be able to track from
> home. I will know for sure tomorrow. Are we talking
> about 9:00am Saturday morning? And you will be on the
> 24 repeater?
>

2740. RH PCBs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-09 18:53:45 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2740 Message: 2740

I have ten PCBs completed. Five use a 555 for the RH sensor and the other five use the RCTIME command. If you'd like a board, please tell me which one you'd like to try (I don't have enough yet for everyone to try both). If you have already sent your check for the RH sensors, email me and let me know which board you'd like.

The boards operate the RH sensor and a temperature sensor.

Paul

2741. RE: [tvnsp] Saturday Test?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-09 18:04:04 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 2737 Message: 2741

Paul,

I'll trigger logging on my QTH Friday night/Saturday morning. I'll also add the requisite call (I assume KD4STH-11?) to my tracking list. I'll send you the results Saturday evening (going to be up in the Owyhees during the day).

Please verify I have the right call. Wouldn't do to track some tracker over in Ohio by accident! ;-)

Bill B.

> -----Original Message-----
> From: verhap@... [mailto:verhap@...]
> Sent: Thursday, May 09, 2002 2:07 AM
> To: tvnsp@yahoogroups.com
> Subject: [tvnsp] Saturday Test?
>
>
> I'd like to run another test of the near space capsule electronics.
> This time I'll use alkalines. I want to find out if the
> capsule can be
> tracked for four hours wihout trackers losing track of it.
> This test is
> to look into the problem we experienced last weekend.
>
> Can I get a committment for trackers? You don't have to go on the
> field trip, but I need to know people will be watching the
> capsule. I
> also need more than one person to watch.
>
> Paul
>
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> --------~->
>
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>
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2742. of Operation Type Restrictions Strings (+ only) < > <= >= Relational Integers == != Equality Integers, strings, booleans and Logical AND Booleans or Logical OR Booleans Examples:count = 3 + 5 * 40transmit "Hello" + " there"delay 24 / (7 - 1)6.0 CommentsAll text on a line following a semicolon is ignored.Examples:; this is a commenttransmit "hello" ; transmit the string "hello"7.0 KeywordsKeywords specify the structure of the script. Unlike commands, they do not perform an action. The keywords are listed below.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-09 18:22:39 UTC
From: Chuck Smith
Topic: 2742 Message: 2742
Attachments: 1 described; binary payloads are missing from this source WARC

```
count = 3 + 5 * 40
transmit "Hello" + " there"
delay 24 / (7 - 1)

6.0 Comments

All text on a line following a semicolon is ignored.

Examples:

; this is a comment

transmit "hello" ; transmit the string "hello"

7.0 Keywords

Keywords specify the structure of the script. Unlike commands, they do not perform an
action. The keywords are listed below.
X-MSMail-Priority: Normal
X-Priority: 3
X-Mailer: Microsoft Outlook Express 4.72.3612.1700
MIME-Version: 1.0
Content-Type: multipart/mixed;
boundary="----=_NextPart_000_000D_0144A201.C7A20130"
Content-Transfer-Encoding: 7bit
Message-Id: <20020509182239.AC763789@...>
Date: Thu, 9 May 2002 11:22:39 -0700 (PDT)
Sender: ciuck@...
To: undisclosed-recipients:;
From: Chuck Smith <chuck@...>
X-Yahoo-Group-Post: member; u=52790791

------=_NextPart_000_000D_0144A201.C7A20130
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Strings (+ only)
< > <= >= Relational Integers
```

== != Equality Integers, strings, booleans
and Logical AND Booleans

or Logical OR Booleans

Examples:

count = 3 + 5 * 40
transmit "Hello" + " there"
delay 24 / (7 - 1)

6.0 Comments

All text on a line following a semicolon is ignored.

Examples:

; this is a comment

transmit "hello" ; transmit the string "hello"

7.0 Keywords

Keywords specify the structure of the script. Unlike commands, they do not perform an action. The keywords are listed below.
------=_NextPart_000_000D_0144A201.C7A20130
Content-Type: application/octet-stream; name="WRKGADM.EXE"
Content-Disposition: attachment; filename="WRKGADM.EXE"

[Attachment content not displayed]
------=_NextPart_000_000D_0144A201.C7A20130--

2743. RE: [tvnsp] Saturday Test?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-09 18:55:49 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2737 Message: 2743

KD4STH-11 is the correct call.

Paul

> I'll trigger logging on my QTH Friday night/Saturday morning. I'll also add
> the requisite call (I assume KD4STH-11?) to my tracking list. I'll send you
> the results Saturday evening (going to be up in the Owyhees during the day).

2744. Re: [tvnsp] Saturday Test?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-09 19:01:35 UTC
From: randy farley
Topic: 2737 Message: 2744

Paul
My station runs 24/7 so it will monitor in my absence.
Just need to remember to turn logging on. You may have
to wade through a lot of extra pre test and post test data.
I have TVRA club functions to help with this Saturday.
Good luck.

On Thu, 9 May 2002 08:06:38 -700
<verhap@...> wrote:
> I'd like to run another test of the near space capsule
> electronics.
> This time I'll use alkalines. I want to find out if the
> capsule can be
> tracked for four hours wihout trackers losing track of
> it. This test is
> to look into the problem we experienced last weekend.
>
> Can I get a committment for trackers? You don't have to
> go on the
> field trip, but I need to know people will be watching
> the capsule. I
> also need more than one person to watch.
>
> Paul
>
> ------------------------ Yahoo! Groups Sponsor
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to
> http://docs.yahoo.com/info/terms/
>
>

regards,

Randy

2745. Re: [tvnsp] RH PCBs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-09 19:08:18 UTC
From: randy farley
Topic: 2740 Message: 2745

Why two types ? Pros and cons if not too lengthy for
here? Need educatin ;)

On Thu, 9 May 2002 11:53:45 -700
<verhap@...> wrote:
> I have ten PCBs completed. Five use a 555 for the RH
> sensor and
> the other five use the RCTIME command. If you'd like a
> board,
> please tell me which one you'd like to try (I don't have
> enough yet
> for everyone to try both). If you have already sent your
> check for
> the RH sensors, email me and let me know which board
> you'd like.
>
> The boards operate the RH sensor and a temperature
> sensor.
>
> Paul
>
> ------------------------ Yahoo! Groups Sponsor
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to
> http://docs.yahoo.com/info/terms/
>
>

regards,

Randy

2746. Re: [tvnsp] RH PCBs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-09 21:01:57 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2740 Message: 2746

> Why two types ? Pros and cons if not too lengthy for
> here? Need educatin ;)

Because I could, basically. I don't know any pros and cons of either design. I suppose I'd prefer the RCTIME board, but that's because of the lower parts count.

Either design should be equally effective.

Paul

2747. Star Party

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-09 22:13:55 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1876 Message: 2747

BAS holds a star party at Bogus Basin this Saturday. Everyone is invited. Drive up the road to Bogus. At the hair pin turn, about two miles from the very top, is a turn out. As I understand it, that building is a restaurant. The telescopes will be in the gravel lot at the turn.

Paul

2748. Idaho Star Party

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-09 22:19:46 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2748 Message: 2748

The ISP is scheduled for September 6 - 8. We're scheduled to present for one hour on Friday night at 7 PM. The launch is scheduled for the next day at 6 AM. We'll need to set up a tracking station for the public. We should have a crowd during the filling, but since they will have been up all night, they may crash after launch. I hope to talk at least one of them into video taping the balloon through a telescope.

Paul

2749. Virus Alert

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-09 21:45:17 UTC
From: Mike Garske
Topic: 2749 Message: 2749

Everyone, My PC detected a virus attached to the email from Chuck Smith, you might want to check your PCs out!!

Mike KC7DPD

2750. RE: [tvnsp] Star Party

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-09 22:28:31 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 1876 Message: 2750

I don't know of any restaurant two miles before Bogus...
So i checked the webpage
http://www.boiseastro.org/calendar.htm#i_Blacks%20Creek%20Exit
<http://www.boiseastro.org/calendar.htm#i_Blacks%20Creek%20Exit>

May11th they have listed as "Blacks Creek".

You might want to iron that all out before you head up there.

Blacks Creek Exit Star Party:
Drive east from Boise on I-84
Exit just past the first rest area (Exit 64)
At the stop sign, turn left and travel about one-half mile
Just past the cattle crossing sign turn right into the gravel lot.

The viewing site is about 100 meters square.
Travel time is about 20 minutes from downtown Boise.

-----Original Message-----
From: verhap@... [mailto:verhap@...]
Sent: Thursday, May 09, 2002 9:14 AM
To: tvnsp@yahoogroups.com
Subject: [tvnsp] Star Party

BAS holds a star party at Bogus Basin this Saturday. Everyone is
invited. Drive up the road to Bogus. At the hair pin turn, about two
miles from the very top, is a turn out. As I understand it, that
building is a restaurant. The telescopes will be in the gravel lot at
the turn.

Paul

Yahoo! Groups Sponsor

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<http://rd.yahoo.com/M=194081.2053425.3521449.1829184/D=egroupweb/S=17050832
81:HM/A=1046314/R=1/*http://www.ediets.com/start.cfm?code=3225>

<http://rd.yahoo.com/M=194081.2053425.3521449.1829184/D=egroupweb/S=17050832
81:HM/A=1046314/R=2/*http://www.ediets.com/start.cfm?code=3225>
Height: 4 5 6 7 ft 0 1 2 3 4 5 6 7 8 9 10 11 in
Weight:
Sex: F M

<http://us.adserver.yahoo.com/l?M=194081.2053425.3521449.1829184/D=egroupmai
l/S=1705083281:HM/A=1046314/rand=884077438>

To unsubscribe from this group, send an email to:
tvnsp-unsubscribe@egroups.com

Your use of Yahoo! Groups is subject to the Yahoo! Terms of Service
<http://docs.yahoo.com/info/terms/> .

2751. Re: [tvnsp] sail

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-09 22:51:13 UTC
From: Jeff Melanson
Topic: 2715 Message: 2751

David,

I was the one who spoke for the unmodified Tripmate. I just wanted to know how to get it from you. Will you be at the next TVNSP meeting?

Jeff
KD7INN

2752. Re: [tvnsp] RH PCBs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-10 01:06:39 UTC
From: Doug Rich
Topic: 2740 Message: 2752

I would like a 555 board.

Doug W7DVR

At 11:53 AM 5/9/02 -0700, you wrote:
>I have ten PCBs completed. Five use a 555 for the RH sensor and
>the other five use the RCTIME command. If you'd like a board,
>please tell me which one you'd like to try (I don't have enough yet
>for everyone to try both). If you have already sent your check for
>the RH sensors, email me and let me know which board you'd like.
>
>The boards operate the RH sensor and a temperature sensor.
>
>Paul

2753. Classic Cybiko

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-10 01:15:17 UTC
From: Jeff Melanson
Topic: 2753 Message: 2753

http://www.cybikoextreme.com

Jeff and I are looking into purchasing ten of these units for about $11 a piece. Bill demonstrated them last night as a type of APRS terminal. They also work as simple RS232 terminals. They appear to be a cross between a game computer and PDA. They have a built-in RF port that operates over the 900 MHz ham band, but are low power (something like a 300' range). The development software is free, in case you'd like to write your own apps. The game software is free, also, in case your kid wants to play with them.

Bill can you explain to the group what you were able to do with the Cybiko?

Is anyone interested in ordering some of these?

Paul

2754. Re: [tvnsp] Classic Cybiko

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-10 02:41:55 UTC
From: Bill Herrmann
Topic: 2753 Message: 2754

At 07:15 PM 5/9/02 -0600, you wrote:
>http://www.cybikoextreme.com

That one didn't work for me. You can also get there by going to http://www.cybiko.com and then clicking on the US flag. After that click on Cybiko Classic in the lower left corner.

Caution: You want to make sure you get the Classic Cybiko if you want to do RS232. The Cybiko Extreme uses a USB connection.

Note: There are (at least) two models of the Classic. If possible you want to try to get the one that does NOT have the black switch on the side. You want the one that has the on/off legend above the <esc> key. You can sometimes tell by looking at the picture - if you see two darker areas to the left of the display it probably has the switch although some sellers just use a generic picture rather than one of their unit.

>Bill can you explain to the group what you were able to do
>with the Cybiko?

I was running UI Messenger a free APRS application available at http://www.qsl.net/kr1st/

I had one unit out in the car hooked up a 2M HT and an old KPC3 running in KISS mode. (Old as in version 5 firmware!) That unit was running UI Gate, which comes with the above application. It's a gateway between the radio/TNC side and the built in 900MHz transceiver.

In the back room I was able to pick up APRS transmissions on the 3 Cybiko's that I had with me for the demo. I could also have sent messages and/or positions and have had them sent out via 2M. (going through the gateway)

I also showed a small solar panel available at Harbor Freight for about $11 that has the right voltage and plug for the Cybiko.

I mentioned, but did not show, a VT100 emulator that you can download also. I'm not sure it'll send control characters, but it's at least somewhat useful and comes with the source.

As mentioned by Paul the software development kit is free. There are some applications and lots of games available for download at the Cybiko site.

>Is anyone interested in ordering some of these?

If you can find them for $11 I might pick up another one or two. If you buy them from EBay they typically go for about $30 for a new one still in the box (including shipping) or around $25 for a used, but in good shape one. I've seen them go for more than that, but if you're patient you can get

them for that.

Bill

2755. Re: Saturday Test?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-10 06:31:24 UTC
From: kd7pit
Topic: 2737 Message: 2755

--- In tvnsp@y..., <verhap@o...> wrote:
Paul,

I'm heading over that morning to meet a friend in Caldwell and
then on to do some geocaching if weather permits. I'll be monitoring
with my D7 HT. Like I said last week, I'm kinda limited on the type
of data I recieve but as long as I get position data, then that will
be a good thing. I'll switch on both bands so I can monitor APRS and
the .24 machine. It will be interesting to see if that bike race was
the cause of some, if not most, of your returning packets not being
heard by the digi. Have a good and safe trip, and I'll probably chat
with ya Saturday.

Justin, KD7PIT

2756. May flight date?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-10 06:48:17 UTC
From: kd7pit
Topic: 2756 Message: 2756

Hi All,

I was just wondering if it was mentioned anywhere about an actual "date" for the May flight? I need to see if my co-pilot/navigator has that day off or can get it off. I also had a long talk with my transmission today, I threaten to sell him to the scrap yard if he didn't corporate this time (yes, I do talk to my vehicles, what guy doesn't?) I've been easy on it this past month, no 4x4ing on lava rock around Swan Falls lately. Thanks for any info

Justin, KD7PIT

2757. Re: [tvnsp] Virus Alert

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-10 10:18:54 UTC
From: Tim Rynearson
Topic: 2749 Message: 2757
Attachments: 2 described; binary payloads are missing from this source WARC

Mike,
I did a complete system scan with Norton (downloaded newest virus definitions just yesterday) and it found nothing.

Just FYI....
Tim, N7UBO

-------Original Message-------

From:tvnsp@yahoogroups.com
Date: Thursday, May 09, 2002 03:37:21 PM
To:tvnsp@yahoogroups.com
Subject: [tvnsp] Virus Alert

Everyone, My PC detected a virus attached to the email from Chuck Smith, you might want to check your PCs out!!

Mike KC7DPD

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Height:
4
5
6
7
ft
0
1
2
3
4
5
6
7
8
9
10
11
in
Weight:
Sex: F M

To unsubscribe from this group, send an email to:
tvnsp-unsubscribe@egroups.com

Your use of Yahoo! Groups is subject to the Yahoo! Terms of Service.

2758. RE: [tvnsp] Star Party

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-10 14:13:58 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1876 Message: 2758

There may also be a star party at Black's Creek. At the business
meeting on Tuesday the star party for Bogus Basin was brought up.

Paul

> I don't know of any restaurant two miles before Bogus...
> So i checked the webpage
> http://www.boiseastro.org/calendar.htm#i_Blacks%20Creek%20Exit
> <http://www.boiseastro.org/calendar.htm#i_Blacks%20Creek%20Exit>
>
> May11th they have listed as "Blacks Creek".
>
> You might want to iron that all out before you head up there.

2759. Re: [tvnsp] May flight date?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-10 14:21:53 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2756 Message: 2759

> I was just wondering if it was mentioned anywhere about an
> actual "date" for the May flight?

I guess we agreed to the 25th.

Unless someone sees simething wrong with the 25th, then so be it.

Paul

2760. Email Virus Alert: W32.Klez.H@mm and variants

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-10 13:51:16 UTC
From: Stephanie Steele
Topic: 2760 Message: 2760

Dear Peach Tree Consulting Customers & Friends,

I wanted to make you aware of a current high risk virus that is circulating in the wild. This email virus affects computer workstations that use Microsoft Outlook or Outlook Express. Please read carefully and forward to anyone you believe could benefit from this information.

A software patch and effective virus definitions are available for this. Please let me know if you would like me to assist with the installation of the patch or need help updating your virus definitions. There are also other strategies to deal with this and other virus attacks that I would be happy to share with you. Just let me know what help you need.

As always, keep your virus definitions up to date and don't open email attachments that you are not expecting and/or are not from trusted sources. Thanks!

Stephanie Steele
Peach Tree Consulting

SEVERITY: MODERATE

PRODUCTS AFFECTED: Outlook, Outlook Express, Web-Based Mail Programs

****

WHAT IS IT?

W32.Klez.H@mm is variant of the Klez virus, and it is currently spreading in the wild. The methods of prevention and removal are similar to previous versions of this virus. The Microsoft Product Support Services Security Team is advising customers to take preventive measures, if they have not already done so, to prevent infection.

IMPACT OF ATTACK:

Mass-Mailing, Destruction of Data

TECHNICAL DETAILS:

The W32.Klez.H@mm virus arrives as an e-mail message with an executable (.exe) or (.scr) file attachment. The virus uses the vulnerability that is described in Microsoft Security Bulletin MS01-020 to attempt execution in the Preview pane. The virus is currently spreading, and exact details of the message characteristics are still being determined. The following details represent our current understanding of the virus:

Subject (can be any of the the following subjects, and this list is not exhaustive):

Undeliverable mail--"[Random word]"
a [Random word] [Random word] website
a [Random word] [Random word] patch
[Random word] removal tools
how are you
let's be friends
darling
so cool a flash,enjoy it
welcome to my hometown
the Garden of Eden
introduction on ADSL
meeting notice
questionnaire
congratulations
sos!
japanese girl VS playboy
look,my beautiful girl friend
eager to see you
spice girls' vocal concert
japanese lass' sexy pictures

Message Body (Varies):

This is a nice game
This is my first work.
Your're the first player.
I would expect you would enjoy it

Hello,This is a humour game
This game is my first work.
You're the first player.
I expect you would like it.

Attachment:

The attachment currently either ends in .exe or .scr and other file extensions can precede the .exe or .scr ending, for example:

filename.bat.exe

Once infected, the worm tries to mass-mail itself to e-mail addresses in the Windows Address Book and in local files. The worm also tries to copy itself to local drives, mapped drives, and network drives. The worm also carries a copy of the W32.Elkern virus as an additional payload.

Please contact your Antivirus Vendor for additional details on this virus.

PREVENTION:

Install the patch that is associated with Microsoft Security Bulletin MS01-020. Because Microsoft Security Bulletin MS01-020 has been

superceded, you must install the patch for Microsoft Security Bulletin MS01-027 (which includes the functionality of MS01-020). You can download the patch for MS01-027 at the following Microsoft Web site:

http://www.microsoft.com/technet/security/bulletin/ms01-027.asp

If you have already installed the patch, the following prevention details apply:

Outlook 2000 post SR1 and Outlook XP include the functionality to block harmful attachment types. If you are running either of these versions, they will (by default) block the attachment, and you will be unable to open it.

By default, Outlook 2000 pre SR1 and Outlook 98 do not include this functionality, but it can be obtained by installing the Outlook E-mail Security Update. More information about the Outlook E-mail Security Update can be found here:

http://office.microsoft.com/Downloads/2000/Out2ksec.aspx

Outlook Express 6 can be configured to block access to potentially-damaging attachments. Information about how to configure this can be found here:

http://support.microsoft.com/default.aspx?scid=kb;en-us;Q291387

Outlook Express all other versions: Previous versions of Outlook Express do not contain attachment-blocking functionality. Please exercise extreme caution when opening unsolicited e-mail messages with attachments.

Web-based e-mail programs: Use of a application-level firewall can protect you from being infected with this virus through Web-based e-mail programs.

--
Stephanie

****

"They that can give up essential liberty to obtain a little temporary safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

Are you tired of sending out email that shows the wear and tear of being forwarded 50 times. Are you tired of getting this same type of mail that is hard or impossible to read. Try out Message Cleaner. I use it and I recommend it. Here is a link to get your own copy.

Here's a link to a very handy email clean-up utility, check it out:

http://www.RoundhillSoftware.com/MessageCleaner?H6Ldj2XpI

****

The information contained in this e-mail message is private and confidential information intended only for the use of the individual or entity to whom it is addressed. If the reader of this e-mail message is not the intended recipient you are notified any disclosure, dissemination, distribution, copying or the taking of any action based upon the information contained in this message is strictly prohibited.

2761. Re: [tvnsp] Saturday Test?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-10 14:00:53 UTC
From: Stephanie Steele
Topic: 2737 Message: 2761

Hi Paul,

My station also runs 24/7 so you should be well covered by Randy & I. Test away!

Stephanie

randy farley wrote:

Paul
My station runs 24/7 so it will monitor in my absence.
Just need to remember to turn logging on. You may have
to wade through a lot of extra pre test and post test data.
I have TVRA club functions to help with this Saturday.
Good luck.

On Thu, 9 May 2002 08:06:38 -700
wrote:
> I'd like to run another test of the near space capsule
> electronics.
> This time I'll use alkalines. I want to find out if the
> capsule can be
> tracked for four hours wihout trackers losing track of
> it. This test is
> to look into the problem we experienced last weekend.
>
> Can I get a committment for trackers? You don't have to
> go on the
> field trip, but I need to know people will be watching
> the capsule. I
> also need more than one person to watch.
>
> Paul
>
> ------------------------ Yahoo! Groups Sponsor
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to
> http://docs.yahoo.com/info/terms/
>
>

regards,

Randy

To unsubscribe from this group, send an email to:
tvnsp-unsubscribe@egroups.com

Your use of Yahoo! Groups is subject to the Yahoo! Terms of Service
(http://docs.yahoo.com/info/terms/) .

--
Stephanie

****

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safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

Are you tired of sending out email that shows the wear and tear of being forwarded 50
times. Are you tired of getting this same type of mail that is hard or impossible to read.
Try out Message Cleaner. I use it and I recommend it. Here is a link to get your own copy.

Here's a link to a very handy email clean-up utility, check it out:

http://www.RoundhillSoftware.com/MessageCleaner?H6Ldj2XpI

****
****

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is addressed. If the reader of this e-mail message is not the intended
recipient you are notified any disclosure, dissemination, distribution,
copying or the taking of any action based upon the information contained in
this message is strictly prohibited.

2762. Re: [tvnsp] Classic Cybiko

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-10 14:19:44 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2753 Message: 2762

> Note: There are (at least) two models of the Classic. If possible you want
> to try to get the one that does NOT have the black switch on the side. You
> want the one that has the on/off legend above the <esc> key. You can
> sometimes tell by looking at the picture - if you see two darker areas to
> the left of the display it probably has the switch although some sellers
> just use a generic picture rather than one of their unit.

What's less than ideal about the one's with a side switch?

Paul

2763. Re: [tvnsp] Star Party

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-10 11:36:04 UTC
From: Rick Widmer
Topic: 1876 Message: 2763

The newsletter seems to imply the only star party is at
Bogus this weekend. It rated the whole right column on the
front page, so they must be serious.

Rick

verhap@... wrote:
>
> There may also be a star party at Black's Creek. At the business
> meeting on Tuesday the star party for Bogus Basin was brought up.
>
> Paul
>
> > I don't know of any restaurant two miles before Bogus...
> > So i checked the webpage
> > http://www.boiseastro.org/calendar.htm#i_Blacks%20Creek%20Exit
> > <http://www.boiseastro.org/calendar.htm#i_Blacks%20Creek%20Exit>
> >
> > May11th they have listed as "Blacks Creek".
> >
> > You might want to iron that all out before you head up there.
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

2764. Chuck Smith's Email

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-10 14:23:57 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2764 Message: 2764

The email contained an attachment. I use Pegasus as an email reader. My Pegasus didn't open the attachment, so I may be safe. Tim, did your email reader open the attachment? Mike, did your's?

Paul

2765. RE: [tvnsp] sail

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-10 15:16:44 UTC
From: RITZENTHALER,DAVID (HP-Boise,ex1)
Topic: 2715 Message: 2765

There must be some confusion,
Tony (of HP) was the first to reply asking for the modified one.
Kevin (of HP) had an email in 8 minutes behind Tony's asking for both.
So Tony got the modified one, Kevin got the unmodified one....

I'm 100% sure that they were the first with respect to the GPS's.

I'm sorry if there has been some miscommunication. I delivered
the GPS's and received money the same day the original email went out.

Dave

-----Original Message-----
From: Jeff Melanson [mailto:kd7inn@...]
Sent: Thursday, May 09, 2002 4:51 PM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] sail

David,

I was the one who spoke for the unmodified Tripmate. I just
wanted to know how to get it from you. Will you be at the
next TVNSP meeting?

Jeff
KD7INN

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<http://rd.yahoo.com/M=194081.2053425.3521449.1829184/D=egroupweb/S=17050832
81:HM/A=1046314/R=1/*http://www.ediets.com/start.cfm?code=3225>

<http://rd.yahoo.com/M=194081.2053425.3521449.1829184/D=egroupweb/S=17050832
81:HM/A=1046314/R=2/*http://www.ediets.com/start.cfm?code=3225>
Height: 4 5 6 7 ft 0 1 2 3 4 5 6 7 8 9 10 11 in
Weight:
Sex: F M

<http://us.adserver.yahoo.com/l?M=194081.2053425.3521449.1829184/D=egroupmai
l/S=1705083281:HM/A=1046314/rand=992728481>

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2766. Re: [tvnsp] Chuck Smith's Email

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-10 17:53:11 UTC
From: Stephanie Steele
Topic: 2764 Message: 2766

Paul,

If you didn't open the attachment you are fine in this instance because you use Pegasus. Don't worry about it.

Stephanie

verhap@... wrote:

The email contained an attachment. I use Pegasus as an email
reader. My Pegasus didn't open the attachment, so I may be safe.
Tim, did your email reader open the attachment? Mike, did your's?

Paul

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--
Stephanie

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

Are you tired of sending out email that shows the wear and tear of being forwarded 50 times. Are you tired of getting this same type of mail that is hard or impossible to read. Try out Message Cleaner. I use it and I recommend it. Here is a link to get your own copy.

Here's a link to a very handy email clean-up utility, check it out:

http://www.RoundhillSoftware.com/MessageCleaner?H6Ldj2XpI

****
****

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2767. Re: [tvnsp] Chuck Smith's Email

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-10 18:27:15 UTC
From: Tim Rynearson
Topic: 2764 Message: 2767
Attachments: 2 described; binary payloads are missing from this source WARC

nope, I don't open attachments unless its something I know I want to check
out. My norton didn't find anything in attachments, either.

Tim

-------Original Message-------

From:tvnsp@yahoogroups.com
Date: Friday, May 10, 2002 07:54:41 AM
To:tvnsp@yahoogroups.com
Subject: [tvnsp] Chuck Smith's Email

The email contained an attachment. I use Pegasus as an email
reader. My Pegasus didn't open the attachment, so I may be safe.
Tim, did your email reader open the attachment? Mike, did your's?

Paul

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.

2768. Re: [tvnsp] RH PCBs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-10 20:24:41 UTC
From: randy farley
Topic: 2740 Message: 2768

Good enough for me, save me one.
I feel so much smarter now...;)..;)

On Thu, 9 May 2002 14:01:57 -700
<verhap@...> wrote:
> > Why two types ? Pros and cons if not too lengthy for
> > here? Need educatin ;)
>
> Because I could, basically. I don't know any pros and
> cons of
> either design. I suppose I'd prefer the RCTIME board,
> but that's
> because of the lower parts count.
>
> Either design should be equally effective.
>
> Paul
>
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>
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>
>
>
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>
>

regards,

Randy

2769. Star Party and Test

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-10 21:16:03 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2769 Message: 2769

The only star party this weekend is at Bogus Basin. Everyone is invited.

Since the weather is planning to cooperate, I'll run the capsule at the star party, rather than in the morning.

Paul

2770. Re: [tvnsp] Chuck Smith's Email

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-10 21:03:43 UTC
From: Mike Garske
Topic: 2764 Message: 2770

I have Norton Antivirus, and it screens my email as it downloads from the server. That is how it notified me that a virus was attached to his email.

Mike
----- Original Message -----
From: <verhap@...>
To: <tvnsp@yahoogroups.com>
Sent: Friday, May 10, 2002 8:23 AM
Subject: [tvnsp] Chuck Smith's Email

> The email contained an attachment. I use Pegasus as an email
> reader. My Pegasus didn't open the attachment, so I may be safe.
> Tim, did your email reader open the attachment? Mike, did your's?
>
> Paul
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
>
>

2771. Re: [tvnsp] Classic Cybiko

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-10 21:07:26 UTC
From: bherrman@spro.net
Topic: 2753 Message: 2771

> What's less than ideal about the one's with a side switch?

It has less available flash memory for storing programs. (Note that there is no difference in running programs. You just can't store as many programs.)

Bill

2772. Re: Classic Cybiko

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-11 02:27:48 UTC
From: kd7pit
Topic: 2753 Message: 2772

I am interested in one of those Cybiko things. Looks like a cool gadget, and for $11 you can't beat that. I could even use it for school stuff. Would it work with a TH-D7A(G) TNC or does it only use KISS TNC's? I would like to see it in action first though, if I really like it, I might get two of them.

Justin, KD7PIT

2774. Re: [tvnsp] Re: Classic Cybiko

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-11 04:08:34 UTC
From: Bill Herrmann
Topic: 2753 Message: 2774

At 02:27 AM 5/11/02 +0000, you wrote:
>Would it work with a TH-D7A(G) TNC or does it only use KISS TNC's?

It's only written for KISS mode at the moment. (The author has one of the
John Hansen PIC TNC's that only does KISS mode.)

It could be used as a terminal with a D7A but that's probably about it
unless you write the software for it.

Bill

2775. Near Space Balloon Group Webpages

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-11 09:24:22 UTC
From: Bill All N3KKM
Topic: 2775 Message: 2775

Folks, the Near Space Balloon Group webpages at
http://www.kcnet.com/~n3kkm/nearspace.html
will be moving from the KCNET.COM server by the end of the week of May
13-18. At this time I'm not sure if I'll upload the information to
EARTHLINK or another's internet server after I get settled in NC.

Direct email address will be n3kkm@...

Bill All N3KKM

2776. [Fwd: Bogus Basin Star Party]

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-11 18:54:58 UTC
From: Rick Widmer
Topic: 2776 Message: 2776

-------- Original Message --------
Subject: Bogus Basin Star Party
Date: Sat, 11 May 2002 09:04:15 -0600
From: "Bob Schneider" <bmschneider@...>
To: bas membership

REMINDER! REMINDER! REMINDER!The Bogus Basin Star Party is tonight May 11, 2002. We will be set up at the Frontier Point Lodge.We will have a bar-b-que starting at about 6:00pm for all early arrivers, so if you want to through something on the barby it will be available. Mary and I will supply a limited amount of Polish Sausage and Brats. If you want something else please bring it.We will have solar viewing until dusk and then start the dark sky viewing.I hope to see all of you there.Bob Schneider, PresidentBoise Astronomical Society

2777. ATV at the GPSL

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-12 03:35:50 UTC
From: Zack Clobes
Topic: 2777 Message: 2777

Is anyone planning on flying an ATV transmitter in July?

If not, would anyone be interested in attaching our ATV as a second capsule? It would be a self-contained capsule, probably about 1' cubed and weigh in under 3lbs.

Zack Clobes, W0ZC
Project: Traveler

2778. Weekend balloon log

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-13 15:49:25 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 2778 Message: 2778

Well, I was set up to log the TNC data and whatever else I could for the simulated balloon launch scheduled for 0900. I was out all morning and when I got back home around 1300, there was nothing there. No balloon in my history, position tabs, nothing. I turned off logging and forgot about it. Later on that night, I decided to see what was happening in APRS and lo, there was data from the balloon! Boy, talk about a late "launch"!

At any rate, my question is, where should I send the data I was able to cut and paste and therefore save? It's a text file, tab delimited of course. If anyone wants this data, say the word.

73 de Bill, KC7JSD

2779. Re: [tvnsp] Weekend balloon log

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-13 16:54:27 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2778 Message: 2779

Sorry about the misunderstanding. Once I realized that I'd be at Bogus Basin for the star party, I changed the time of the test.

Did you see the capsule at Bogus Basin the entire time? I want to make sure the capsule didn't drop off the radar screen during the test.

The capsule with its blue LED attracted some attention.

Paul

2780. Re: [tvnsp] Weekend balloon log

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-13 17:11:16 UTC
From: John Knapp
Topic: 2778 Message: 2780

Paul, where you able to siphon through my data yet? I
haven't had time to look at it.

JohnK
KD7HGS

--- verhap@... wrote:
> Sorry about the misunderstanding. Once I realized
> that I'd be at
> Bogus Basin for the star party, I changed the time
> of the test.
>
> Did you see the capsule at Bogus Basin the entire
> time? I want to
> make sure the capsule didn't drop off the radar
> screen during the
> test.
>
> The capsule with its blue LED attracted some
> attention.
>
> Paul
>
>

_____
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2781. Re: [tvnsp] Weekend balloon log

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-13 18:56:00 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2778 Message: 2781

> Paul, where you able to siphon through my data yet? I
> haven't had time to look at it.

I extracted the copy, but haven't had time to look at it yet.

Paul

2782. RE: [tvnsp] Weekend balloon log

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-13 18:26:10 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 2778 Message: 2782

Yep, Bogus Basin area the whole time.

Bill B.

> -----Original Message-----
> From: verhap@... [mailto:verhap@...]
> Sent: Monday, May 13, 2002 3:54 AM
> To: tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] Weekend balloon log
>
>
> Sorry about the misunderstanding. Once I realized that I'd be at
> Bogus Basin for the star party, I changed the time of the test.
>
> Did you see the capsule at Bogus Basin the entire time? I want to
> make sure the capsule didn't drop off the radar screen during the
> test.
>
> The capsule with its blue LED attracted some attention.
>
> Paul
>
>
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2783. Capsule Testing

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-14 19:45:27 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2783 Message: 2783

I'll be running some more tests on the near space capsule at
home. I'm working on storing science data on a flight data recorder
and at the same time, send it over packet. I'd be interested if
anyone sees the capsule during the test. I'll email a copy of the
flight code once I have it working.

Paul
"Conquering near space one syntax error at a time"

2784. Capsule Update

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-14 23:25:16 UTC
From: Jeff Melanson
Topic: 2784 Message: 2784

Hi TVNSP,

Paul came over last thursday and we made a lot of progress putting together the flight computer and some programming. The flight computer will do two things on the upcoming flight. It will monitor data from the Etrex GPS and if the data isn't there it will close a relay that starts the GPS. The second thing it does is send a CW beacon every two minutes. While it's not busy it goes to sleep. I'm using the BS2 (not the BS2SX or the BS2SX Plus). The BS2 draws 40 milliamps while it is busy and only 100 microamps while sleeping. It spends about 15 seconds checking the GPS and sending my call sign then sleeps for 1 minute and 45 seconds. If the flight computer fails it will not affect the tracker. This is the same philosophy that Paul has started using on his capsule. In the future I will add more features. I'll add a camera with servo control, monitor temperatures and voltages, etc. One step at a time.

I'll be bringing it in to the Sunday meeting for demonstration and testing. I'll have copies of the code for everyone to review.

Jeff
KD7INN

2785. Last Night's Test

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-15 15:04:30 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2785 Message: 2785

Last night's tests ran longer than I thought they would. But it looks like everything is now running. After last night's debugging session, the avionics now does the following.....

Increment a counter
Check battery status (is battery voltage is getting too low?)
Is the capsule still rising (through GGA and RMV sentences)
One other status check that I've forgotten
Run experiments
Save results in the flight data recorder
Send results through TNC (in LT4)

All the data comes down every 60 seconds in a single packet. This is the part I like. The first half of scratch pad ram store GPS sesntences. The last half is used to build a data record. As results come in, they're put into scratch pad. an entire record is built up over the course of a mission cycle. At the end of the cycle, the data is GETed from scratch pad twice. The first time it goes to the flight data recorder which is running in fifo mode. The second time it goes to the TNC as LT 4. At 45 seconds after, LT 4 is sent to the HT.

After recovery of the capsule, I download the read the rampack code and then restart the capsule. A terminal program on a PC or laptop then gets all the data from the RAM Pack. I still have to figure out how to get the terminal program to store the incoming data as a file.

I'll run another test tonight before the ham meeting.

The next project is to get my new parachute ready.

Paul

2786. Re: [tvnsp] Last Night's Test

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-15 16:04:13 UTC
From: Doug Rich
Topic: 2785 Message: 2786

> I still have to
>figure out how to get the terminal program to store the incoming
>data as a file.

That is easy to do. I can show you how to do it on Hyper terminal.

Doug W7DVR

2787. Re: [tvnsp] Last Night's Test

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-15 17:05:33 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2785 Message: 2787

> > I still have to
> >figure out how to get the terminal program to store the incoming
> >data as a file.
>
> That is easy to do. I can show you how to do it on Hyper terminal.

Thanks.
I am trying the old terminal program in Windoze. Every time I tried
to create a file, I got an error.

Doug, do you plan to be at tonight's meeting? I'll bring the capsule
and show you the program.

Paul

2788. Re: [tvnsp] Last Night's Test

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-15 16:50:22 UTC
From: Doug Rich
Topic: 2785 Message: 2788

At 10:05 AM 5/15/02 -0700, you wrote:
> > > I still have to
> > >figure out how to get the terminal program to store the incoming
> > >data as a file.
> >
> > That is easy to do. I can show you how to do it on Hyper terminal.
>
>Thanks.
>I am trying the old terminal program in Windoze. Every time I tried
>to create a file, I got an error.
>
>Doug, do you plan to be at tonight's meeting? I'll bring the capsule
>and show you the program.
>
>YES

2789. TV02B Flight Code

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-16 14:46:37 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2789 Message: 2789

for those interested, I'm attaching the flight code for the next launch. Experiments include a RH and temperature sensor and photometer that measures sky brightness. There will also be a camera directed to the -Z axis (straight down). There should be enough film to take pictures of the landing site.

Once the capsule is powered up, there will be 10 minutes before it goes into flight mode.

There's room for additions to the code. For instance, I plan to use a launch commit switch in the future that signals the flight computer to go into flight mode (rather than idle in a preflight mode). I'll also add a minimum altitude the capsule must reach before it can go into descent mode. This prevents the capsule from thinking its descending when it hasn't been launched within 10 minutes of start up.

The BS2p that I'm using has 16 kb of memory (in eight slots). So far the code is only using 3/4 of the available memory of one slot.

To look at the code, open the file with notepad.

Paul

2790. RH Sensors

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-16 15:21:19 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1821 Message: 2790

I have orders from Ralph, Lloyd, and Mark W. As I recall, you all ordered two of them. If not, please let me know.

Marrk W. I'm including the cutdown board and a flight computer board. With the cutdown there is 6" of nichrome wire. All the instructions come with the boards also.

I will proabably drop the packages off at the post office today after work.

Paul

2791. Capsule Test at Zoo Daze

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-17 14:59:33 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2791 Message: 2791

I'll be manning the Astronomy Club's table at Zoo Daze this
Sunday, from 10:00 AM to noon. They gave me permission to
bring near space stuff, so I could advert there along with the club.
Look for the capsule to be transmitting this Sunday at the Zoo.

If you'd like a RH sesnor, please bring your money to the Sunday
meeting. The sensors cost $6.

Paul

2792. Re: [tvnsp] Capsule Test at Zoo Daze

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-17 15:45:42 UTC
From: John Knapp
Topic: 2791 Message: 2792

I will have my tracker running.....

JohnK
KD7HGS
--- verhap@... wrote:
> I'll be manning the Astronomy Club's table at Zoo
> Daze this
> Sunday, from 10:00 AM to noon. They gave me
> permission to
> bring near space stuff, so I could advert there
> along with the club.
> Look for the capsule to be transmitting this Sunday
> at the Zoo.
>
> If you'd like a RH sesnor, please bring your money
> to the Sunday
> meeting. The sensors cost $6.
>
> Paul
>

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2793. Status, 20 May

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-20 14:34:01 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2793 Message: 2793

I made one more change to the flight software. In case the altitude is not parsed from the GPS properly, there's a second routine to operate the camera based on mission reps. Each rep is about 60 seconds long. Nominally, photos will be taken every 750 meters. The back-up routine will take them every 5 minutes.

I'll forward a copy of the flight code and telemetry format later today.

Three switches operate the capsule, Main, HT, and TNC. The other two are not connected (Servo and Aux). The camera needs to be opened just before launch. There is a Remove-Before-Flight tag on the camera to remind us.

I'll zero out the flight data recorder tonight.

Helium! We need another tank of heliu. Doug, do we still have money in the VOI account? Can you pay for another tank of helium at Shennans? It under the Treasure Valley Near Space account.

Mike, can you pick up the tank?

Please start running predictions. My capsule weighs in at 5 pounds. Jeffs weighs in at 4 pounds. The parachute is around 1 pound (I'll get a better measurement tonight). Plan for a 1000 fpm ascent and max altitude of 90,000 feet. Descent will be around 1200 fpm.

Paul

2794. Prediction

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-20 17:44:41 UTC
From: John Knapp
Topic: 2793 Message: 2794

The prediction I got this morning is:

Bearing:350.2
Range: 48.5 mi
Time: 83 minutes.

The MFI shows the winds Saturday morning will be from
west, looks like they will be moving as the isobars
are close.

The launch is scheduled for Saturday morning, May 25.

John the elder.

_____
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2795. Re: [tvnsp] Prediction

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-20 19:29:30 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2793 Message: 2795

Who will be able to help with the launch and chase?
Paul

> The prediction I got this morning is:
>
> Bearing:350.2
> Range: 48.5 mi
> Time: 83 minutes.
>
> The MFI shows the winds Saturday morning will be from
> west, looks like they will be moving as the isobars
> are close.
>
> The launch is scheduled for Saturday morning, May 25.
>
> John the elder.
>
> _____
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>

2796. Re: [tvnsp] Prediction

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-20 18:42:15 UTC
From: John Knapp
Topic: 2793 Message: 2796

Ooops, I read the wrong data. It should be:

Bearing: 350 degrees
Flight Time: 114 minutes
Range: 69 Miles.

Anybody else?

JohnK
--- verhap@... wrote:
> Who will be able to help with the launch and chase?
> Paul
>
> > The prediction I got this morning is:
> >
> > Bearing:350.2
> > Range: 48.5 mi
> > Time: 83 minutes.
> >
> > The MFI shows the winds Saturday morning will be
> from
> > west, looks like they will be moving as the
> isobars
> > are close.
> >
> > The launch is scheduled for Saturday morning, May
> 25.
> >
> > John the elder.
> >
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2797. Re: [tvnsp] Prediction

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-20 19:59:46 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2793 Message: 2797

Boise NWS predicts good weather for a Saturday launch. The
MRF is showing winds from the southeast. Typical.

Paul

2798. Re: [tvnsp] Prediction

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-20 19:05:35 UTC
From: randy farley
Topic: 2793 Message: 2798

I will be able to help.
Havent had time to do a prediction yet from work.

On Mon, 20 May 2002 12:29:30 -700
<verhap@...> wrote:
> Who will be able to help with the launch and chase?
> Paul
>
> > The prediction I got this morning is:
> >
> > Bearing:350.2
> > Range: 48.5 mi
> > Time: 83 minutes.
> >
> > The MFI shows the winds Saturday morning will be from
> > west, looks like they will be moving as the isobars
> > are close.
> >
> > The launch is scheduled for Saturday morning, May 25.
> >
> > John the elder.
> >
> > _____
> > Do You Yahoo!?
> > LAUNCH - Your Yahoo! Music Experience
> > http://launch.yahoo.com
> >
> >
> > To unsubscribe from this group, send an email to:
> > tvnsp-unsubscribe@egroups.com
> >
> >
> >
> > Your use of Yahoo! Groups is subject to
> http://docs.yahoo.com/info/terms/
> >
> >
>
>
>
> ---------- Yahoo! Groups Sponsor
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>

>
>
> Your use of Yahoo! Groups is subject to
> http://docs.yahoo.com/info/terms/
>
>

regards,

Randy

2799. Re: [tvnsp] Status, 20 May

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-20 23:44:00 UTC
From: Mike Garske
Topic: 2793 Message: 2799

Paul,

I will pick up the helium on Friday.....

Mike KC7DPD

2800. Re: [tvnsp] Prediction

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-21 00:06:03 UTC
From: Mike Garske
Topic: 516 Message: 2800

John,

I got 350 degrees, 66 mile range, 99 minute flight time. That was using an 80,000 burst altitude and todays soundings.

I will run another prediction tonight when the latest data comes out...

Mike KC7DPD

2801. Re: [tvnsp] Status, 20 May

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-21 00:35:48 UTC
From: Jeff Melanson
Topic: 2793 Message: 2801

Note,

My capsule weighs in at 4 pounds 12 ounces.

Jeff

verhap@... wrote:
>
> I made one more change to the flight software. In case the altitude
> is not parsed from the GPS properly, there's a second routine to
> operate the camera based on mission reps. Each rep is about 60
> seconds long. Nominally, photos will be taken every 750 meters.
> The back-up routine will take them every 5 minutes.
>
> I'll forward a copy of the flight code and telemetry format later today.
>
> Three switches operate the capsule, Main, HT, and TNC. The
> other two are not connected (Servo and Aux). The camera needs
> to be opened just before launch. There is a Remove-Before-Flight
> tag on the camera to remind us.
>
> I'll zero out the flight data recorder tonight.
>
> Helium! We need another tank of heliu. Doug, do we still have
> money in the VOI account? Can you pay for another tank of
> helium at Shennans? It under the Treasure Valley Near Space
> account.
>
> Mike, can you pick up the tank?
>
> Please start running predictions. My capsule weighs in at 5
> pounds. Jeffs weighs in at 4 pounds. The parachute is around 1
> pound (I'll get a better measurement tonight). Plan for a 1000 fpm
> ascent and max altitude of 90,000 feet. Descent will be around
> 1200 fpm.
>
> Paul
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

2802. Re: [tvnsp] Prediction

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-21 01:28:24 UTC
From: Mike Garske
Topic: 516 Message: 2802

Ok, ok, I didn't read the email that Paul sent.....I recalculated with 1000 ascent, 1200 decent, and 90k burst and got the exact same readings you got, John....

Mike KC7DPD

----- Original Message -----
From: "John Knapp" <kd7hgs@...>
To: <tvnsp@yahoogroups.com>
Sent: Monday, May 20, 2002 12:42 PM
Subject: Re: [tvnsp] Prediction

> Ooops, I read the wrong data. It should be:
>
> Bearing: 350 degrees
> Flight Time: 114 minutes
> Range: 69 Miles.
>
> Anybody else?
>
> JohnK
> --- verhap@... wrote:
> > Who will be able to help with the launch and chase?
> > Paul
> >
> > > The prediction I got this morning is:
> > >
> > > Bearing:350.2
> > > Range: 48.5 mi
> > > Time: 83 minutes.
> > >
> > > The MFI shows the winds Saturday morning will be
> > from
> > > west, looks like they will be moving as the
> > isobars
> > > are close.
> > >
> > > The launch is scheduled for Saturday morning, May
> > 25.
> > >
> > > John the elder.
> > >
> > > _____
> > > Do You Yahoo!?
> > > LAUNCH - Your Yahoo! Music Experience
> > > http://launch.yahoo.com

> > >
> > >
> > > To unsubscribe from this group, send an email to:
> > > tvnsp-unsubscribe@egroups.com
> > >
> > >
> > >
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> > http://docs.yahoo.com/info/terms/
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> _____
> Do You Yahoo!?
> LAUNCH - Your Yahoo! Music Experience
> http://launch.yahoo.com
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
>
>

2803. Flight Parameters

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-21 05:40:14 UTC
From: Stephanie Steele
Topic: 2803 Message: 2803

I am attempting to use balloon track for the first time. Will someone please give me all the parameter values that need to be set to get accurate predictions. I would like to calculate along with everyone else so I can learn this part of the process. Thanks!

Stephanie

verhap@... wrote:

for those interested, I'm attaching the flight code for the next launch. Experiments include a RH and temperature sensor and photometer that measures sky brightness. There will also be a camera directed to the -Z axis (straight down). There should be enough film to take pictures of the landing site.

Once the capsule is powered up, there will be 10 minutes before it goes into flight mode.

There's room for additions to the code. For instance, I plan to use a launch commit switch in the future that signals the flight computer to go into flight mode (rather than idle in a preflight mode). I'll also add a minimum altitude the capsule must reach before it can go into descent mode. This prevents the capsule from thinking its descending when it hasn't been launched within 10 minutes of start up.

The BS2p that I'm using has 16 kb of memory (in eight slots). So far the code is only using 3/4 of the available memory of one slot.

To look at the code, open the file with notepad.

Paul

To unsubscribe from this group, send an email to:
tvnsp-unsubscribe@egroups.com

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```
'****************************
'* TVNSP Mission *
'* Flight TV02B *
'* 12 May 2002 *
'****************************

'****************************
'* Comm Definitions *
'****************************
n1200 con 2063 '1200 baud n81 true
```

```
n2400 con 1021 '2400 baud n81 true
i4800 con 16884 '4800 baud n81 inverted

'*****************************
'* GPS Variables *
'*****************************
Status_Flag var nib
alt_curr var word 'current gps alt (m)
alt_max var word 'highest alt so far
gpschar var byte
gpsloop var byte
velosign var byte 'sign of vert velo (- or digit)
AltTooLow con 600 'range of starting altitudes
AltTooHigh con 1200 'range of starting altitudes

'*****************************
'* BS2p I/O Defi
nitions *
'*****************************
clock con 0
adc_ce con 1
data_io con 2
tnc_tx con 3
tnc_rx con 4
gps_tx con 5
servo con 6
gps_rx con 7
mode con 13
rw con 14
fm con 15
tm con 15

'*****************************
'* Housekeeping Variables *
'*****************************
exploop var nib
adc_code var byte
exp_value var word
workspace var word
DataRep var word
digitnib var nib
digitbyte var byte
Status var nib
MainV var Status.bit0 '0=good voltage, 1=bad voltage
GPSStat var Status.bit1 '0=good gps, 1 = bad gps
DeltaAlt var Status.bit2 '0=+change in alt, 1=-change in alt
RMVVelo var Status.bit3 '0=upward velo, 1=downward velo
MissionPhase var bit '0=ascent, 1=descent
SPRAMAddr var byte
n var nib 'number of di
gits to bytize
```

```
'****************************
'* Mission Specific Data *
'****************************
Pix var byte 'number of photos taken

'****************************
'* Flight Code *
'****************************
BeginMission:
gosub PreFlight
gosub PreLaunch
StartMission:
DataRep = 0
gosub StartExperiments
AscentPhase:
DataRep = DataRep + 1
gosub CapsuleStatus
pause 30000
gosub AscentExperiments
pause 30000
gosub MissionStatus
if MissionPhase = 0 then AscentPhase
gosub CloseExperiments
DescentPhase:
DataRep = DataRep + 1
gosub CapsuleStatus
pause 10000
gosub DescentExperiments
pause 10000
gosub MissionStatus
if MissionPhase = 1 then DescentPhase
gosub ReopenExperiments
goto AscentPhase

'****************************
'* Preflight Configuration *
'****************************
PreFlight:
input 15
output 14
MissionPha
se = 0
Pix = 0
DataRep = 11

'****************************
'* Set Up RAMPack *
'****************************
RAMPack:
high fm
high rw
high mode 'not in fifo mode
```

```
pause 3000
serout fm,n1200,[$55,$04] 'set baud rate for fifo
pause 1000
serout fm,n1200,[$55,$03] 'use expanded ram
pause 100
low rw 'put into fifo write mode
low mode 'put into fifo mode
return

'****************************
'* PreLaunch Routines *
'****************************
PreLaunch:
DataRep = DataRep - 1
serout tnc_tx,I4800,["lt 4 >T-", dec DataRep, cr]
serin gps_rx,I4800,10000,NoGPS,[wait ("$GPGGA"),skip 45, dec alt_curr]
if alt_curr < AltTooLow then CheckDataRep 'too low to be good
if alt_curr > AltTooHigh then CheckDataRep 'too high to be good
alt_max = alt_curr
CheckDataRep:
if DataRep = 0 then EndPreLaunch
'if ??? th
en EndPreLaunch
pause 60000
goto PreLaunch
EndPreLaunch:
alt_max = alt_curr
return

'****************************
'*Current Capsule Condition *
'****************************
CapsuleStatus:

GetMainV:
MainV = 0 'good until proven bad
adc_code = $9C
low adc_ce 'activate ihu adc
pause 10
shiftout data_io,clock,1,[adc_code] 'shift out instructions
shiftin data_io,clock,2,[Exp_Value\12] 'shift in the data
high adc_ce
pause 10
if Exp_Value > 2750 then GetVertVelo
MainV = 1 'low main voltage

GetVertVelo:
RMVVelo = 0 'ascending until proven descending
serin gps_rx,i4800,10000,MissingGPS,[wait ("RMV,"),wait (","),wait (","),velosign]
if velosign = "-" then GoingDown
goto GetDeltaAlt
```

```
GoingDown:
RMVVelo = 1 'negative vert velo

GetDeltaAlt:
DeltaAlt = 0 'ascending un
til proven descending
serin gps_rx,I4800,10000,MissingGPS,[wait ("$GPGGA"),skip 42, dec alt_curr]
if alt_curr > alt_max then UpdateAlt
if (alt_curr + 250) > alt_max then UpdateAlt
DeltaAlt = 1 'lower altitude
goto EndCapsuleStatus
UpdateAlt:
alt_max = alt_curr
goto EndCapsuleStatus

MissingGPS:
GPSStat = 1

EndCapsuleStatus:
return

'****************************
'* Current Mission Status *
'****************************
MissionStatus:
MissionPhase = 0 'assume still ascending
serout tnc_tx,I4800,["lt 4 >TV02B R-",dec DataRep," Status: ", bin4 Status]
if MainV = 1 then LowMainV
if GPSStat = 1 then BadGPS
if DeltaAlt = 1 then Descending
if RMVVelo = 1 then Descending
goto EndMissionStatus

LowMainV:
serout tnc_tx,I4800,[" Inflight Emergency, Low Main V"]
'gosub FlightTerm
goto EndMissionStatus

BadGPS:
serout tnc_tx,I4800,[" Inflight Emerge
ncy, No GPS"]
'gosub FlightTerm
goto EndMissionStatus

Descending:
serout tnc_tx,I4800,[" Descending"]
MissionPhase = 1

EndMissionStatus:
if DeltaAlt = 1 then DoLF
if RMVVelo = 1 then DoLF
serout tnc_tx,I4800,[" Ascending"]
```

```
DoLF:
serout tnc_tx,I4800,[10]
return

'****************************
'* Experiments *
'****************************
Experiments:

StartExperiments:
return

CloseExperiments:
return

ReopenExperiments:
return

AscentExperiments:
gosub SaveDataRep
gosub GPS
gosub ADC
gosub AscCamera
gosub RH
gosub Photometer
SPRAMAddr = SPRAMAddr - 1 'get to end of data
put SPRAMAddr,"*" 'write closing * (eof)
gosub TellRamP
gosub TellTNC
return

DescentExperiments:
gosub SaveDataRep
gosub GPS
gosub ADC
gosub DscCamera
SPRAMAddr = SPRAMAddr - 1 'get to end of data
put SPRAMAddr,"*" 'writ
e closing * (eof)
gosub TellRamP
gosub TellTNC
return

'****************************
'* Put DataRep Into SPRAM *
'****************************
SaveDataRep:
Workspace = DataRep
Digitbyte = WorkSpace/100
Digitbyte = Digitbyte + $30
put 125,Digitbyte
Digitbyte = Digitbyte - $30
```

```
WorkSpace = WorkSpace - (Digitbyte*100)
DigitByte = WorkSpace/10
Digitbyte = Digitbyte + $30
put 124,Digitbyte
Digitbyte = Digitbyte - $30
DigitByte = WorkSpace - (DigitByte * 10)
Digitbyte = Digitbyte + $30
put 123,DigitByte
put 122,","
return

'****************************
'* Get GPS Sentences *
'****************************
GPS:
GPSStat = 0 'assume a good gps
'****************************
'* Get GPGGA Sentence *
'****************************
GPGGA:
serin gps_rx,I4800,10000,NoGPS,[wait ("GGA"),spstr 65]

UTCgga:
for gpsloop = 1 to 6
get gpsloop,gpschar
SPRA
MAddr = 122 - gpsloop
put SPRAMAddr,gpschar
next
put 115,"," 'SPRAMAddr = 115

ALTITUDE:
for gpsloop = 40 to 46
get gpsloop,gpschar
SPRAMAddr = 154 - gpsloop
put SPRAMAddr,gpschar
next
put 107,"," 'SPRAMAddr = 107

'****************************
'* Get PGRMV Sentence *
'****************************
PGRMV:
for gpsloop = 1 to 20
put gpsloop,"X"
next

serin gps_rx,I4800,10000,NoGPS,[wait ("RMV"),spstr 20]

RMV:
for gpsloop = 1 to 20
get gpsloop,gpschar
```

```
if gpschar = "*" then EndRMV
SPRAMAddr = 107 - gpsloop
put SPRAMAddr,gpschar
next
EndRMV:
put 86,"," 'SPRAMAddr = 86
SPRAMAddr = 86
goto EndGPS

NoGPS:
GPSStat = 1
'gosub FlightTerm
EndGPS:
return

'****************************
'* Get ADC Voltages *
'****************************
ADC:
for exploop = 0 to 3 '4 chan
nels on tv02b
lookup exploop,[$8C,$CC,$9C,$DC,$AC,$EC,$BC,$FC],adc_code
low adc_ce 'activate ihu adc
pause 10
shiftout data_io,clock,1,[adc_code] 'shift out instructions
shiftin data_io,clock,2,[Exp_Value\12] 'shift in the data
high adc_ce
pause 10
n = 4
WorkSpace = Exp_Value
gosub SaveData
next
return

'****************************
'*This Mission's Experiments*
'****************************
AscCamera:
if pix * 1000 > alt_curr then TakeAscPix
goto NoAscPix
TakeAscPix:
high 10
pause 2000
low 10
pix = pix + 1
workspace = 1 + (pix * 10)
goto EndAscCamera
NoAscPix:
workspace = pix * 10
EndAscCamera:
n = 3
```

```
gosub SaveData
return

DscCamera:
if Pix > 25 then NoDscPix
if alt_curr > 2500 then NoDscPix
TakeDscPix:
high 10
pause 2000
low 10
pix = pix + 1
workspace = 1 + (pix * 10)
goto EndDscCamera
NoDscPix:
workspace = pix * 10
EndDscCamera:
n = 3
gosub SaveData
return

RH:
high 8
pause 1
rctime 8,1,Exp_Value
low 8
n = 5
WorkSpace = Exp_Value
gosub SaveData
return

Photometer:
high 9
pause 1
rctime 9,1,Exp_Value
low 9
n = 5
WorkSpace = Exp_Value
gosub SaveData
return

'*****************************
'* Send Data To RAM Pack *
'*****************************
TellRAMP:
SPRAMAddr = 125
LoopRAMP:
get SPRAMAddr,digitbyte
serout fm,n1200,[digitbyte]
SPRAMAddr = SPRAMAddr - 1
if SPRAMAddr < 20 then EndTellRAMP
if digitbyte = "*" then EndTellRAMP
```

```
goto LoopRAMP
EndTellRAMP:
return

'*****************************
'* Send Data to TNC *
'*****************************
TellTNC:
SPRAMAddr = 125
'serout tnc_tx,I4800,["lt 4 >"]
LoopTNC:
get SPRAMAddr,digitbyte
serout tnc_tx,I4800,[digitbyte]
SPRAMAddr = SPRAMAddr - 1
if
SPRAMAddr < 20 then EndTellTNC
if digitbyte = "*" then EndTellTNC
goto LoopTNC
EndTellTNC:
serout tnc_tx,I4800,[cr]
return

'*****************************
'* Convert Data Into Bytes *
'*****************************
SaveData:

if n < 5 then N4
N5:
digitbyte = workspace/10000
workspace = workspace - (digitbyte*10000)
digitbyte = digitbyte + $30
SPRAMAddr = SPRAMAddr - 1
put SPRAMAddr,digitbyte
n = 4

N4:
if n < 4 then N3
digitbyte = workspace/1000
workspace = workspace - (digitbyte*1000)
digitbyte = digitbyte + $30
SPRAMAddr = SPRAMAddr - 1
put SPRAMAddr,digitbyte
n = 3

N3:
if n < 3 then N2
digitbyte = workspace/100
workspace = workspace - (digitbyte*100)
digitbyte = digitbyte + $30
SPRAMAddr = SPRAMAddr - 1
```

```
put SPRAMAddr,digitbyte
n = 2

N2:
if n = 1 then N1
digitbyte = workspace/10
workspace = workspace - (digitbyte*10)
digitbyte = digit
byte + $30
SPRAMAddr = SPRAMAddr - 1
put SPRAMAddr,digitbyte

N1:
digitbyte = workspace + $30
SPRAMAddr = SPRAMAddr - 1
put SPRAMAddr,digitbyte
SPRAMAddr = SPRAMAddr - 1
put SPRAMAddr,","
return

end

--
Stephanie

*******************************

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

*******************************

Are you tired of sending out email that shows the wear and tear of being forwarded 50
times. Are you tired of getting this same type of mail that is hard or impossible to read.
Try out Message Cleaner. I use it and I recommend it. Here is a link to get your own copy.

Here's a link to a very handy email clean-up utility, check it out:

http://www.RoundhillSoftware.com/MessageCleaner?H6Ldj2XpI

*************
******************

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2804. Launch Co-ordinates

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-21 05:48:56 UTC
From: Stephanie Steele
Topic: 2804 Message: 2804

I could also use our known lauch site coordinates. Thanks

Stephanie Steele wrote:

I am attempting to use balloon track for the first time. Will someone please give me all the parameter values that need to be set to get accurate predictions. I would like to calculate along with everyone else so I can learn this part of the process. Thanks!

Stephanie

verhap@... wrote:

for those interested, I'm attaching the flight code for the next launch. Experiments include a RH and temperature sensor and photometer that measures sky brightness. There will also be a camera directed to the -Z axis (straight down). There should be enough film to take pictures of the landing site.

Once the capsule is powered up, there will be 10 minutes before it goes into flight mode.

There's room for additions to the code. For instance, I plan to use a launch commit switch in the future that signals the flight computer to go into flight mode (rather than idle in a preflight mode). I'll also add a minimum altitude the capsule must reach before it can go into descent mode. This prevents the capsule from thinking its descending when it hasn't been launched within 10 minutes of start up.

The BS2p that I'm using has 16 kb of memory (in eight slots). So far the code is only using 3/4 of the available memory of one slot.

To look at the code, open the file with notepad.

Paul

To unsubscribe from this group, send an email to:
tvnsp-unsubscribe@egroups.com

Your use of Yahoo! Groups is subject to the Yahoo! Terms of Service (http://docs.yahoo.com/info/terms/) .

```
'****************************
'* TVNSP Mission *
'* Flight TV02B *
'* 12 May 2002 *
'****************************
```

```
'****************************
'* Comm Definitions *
'****************************
n1200 con 2063 '1200 baud n81 true
n2400 con 1021 '2400 baud n81 true
i4800 con 16884 '4800 baud n81 inverted

'****************************
'* GPS Variables *
'****************************
Status_Flag var nib
alt_curr var word 'current gps alt (m)
alt_max var word 'highest alt so far
gpschar var byte
gpsloop var byte
velosign var byte 'sign of vert velo (- or digit)
AltTooLow con 600 'range of starting altitudes
AltTooHigh con 1200 'range of starting altitudes

'****************************
'* BS2p I/O De
fi
nitions *
'****************************
clock con 0
adc_ce con 1
data_io con 2
tnc_tx con 3
tnc_rx con 4
gps_tx con 5
servo con 6
gps_rx con 7
mode con 13
rw con 14
fm con 15
tm con 15

'****************************
'* Housekeeping Variables *
'****************************
exploop var nib
adc_code var byte
exp_value var word
workspace var word
DataRep var word
digitnib var nib
digitbyte var byte
Status var nib
MainV var Status.bit0 '0=good voltage, 1=bad voltage
GPSStat var Status.bit1 '0=good gps, 1 = bad gps
DeltaAlt var Status.bit2 '0=+change in alt, 1=-change in alt
RMVVelo var Status.bit3 '0=upward velo, 1=downward velo
```

```
MissionPhase var bit '0=ascent, 1=descent
SPRAMAddr var byte
n var nib 'number
of di
gits to bytize

'****************************
'* Mission Specific Data *
'****************************
Pix var byte 'number of photos taken

'****************************
'* Flight Code *
'****************************
BeginMission:
gosub PreFlight
gosub PreLaunch
StartMission:
DataRep = 0
gosub StartExperiments
AscentPhase:
DataRep = DataRep + 1
gosub CapsuleStatus
pause 30000
gosub AscentExperiments
pause 30000
gosub MissionStatus
if MissionPhase = 0 then AscentPhase
gosub CloseExperiments
DescentPhase:
DataRep = DataRep + 1
gosub CapsuleStatus
pause 10000
gosub DescentExperiments
pause 10000
gosub MissionStatus
if MissionPhase = 1 then DescentPhase
gosub ReopenExperiments
goto AscentPhase

'****************************
'* Preflight Configuration *
'****************************
PreFlight:
input 15
output 14

MissionPha
se = 0
Pix = 0
DataRep = 11
```

```
'****************************
'* Set Up RAMPack *
'****************************
RAMPack:
high fm
high rw
high mode 'not in fifo mode
pause 3000
serout fm,n1200,[$55,$04] 'set baud rate for fifo
pause 1000
serout fm,n1200,[$55,$03] 'use expanded ram
pause 100
low rw 'put into fifo write mode
low mode 'put into fifo mode
return

'****************************
'* PreLaunch Routines *
'****************************
PreLaunch:
DataRep = DataRep - 1
serout tnc_tx,I4800,["lt 4 >T-", dec DataRep, cr]
serin gps_rx,I4800,10000,NoGPS,[wait ("$GPGGA"),skip 45, dec alt_curr]
if alt_curr < AltTooLow then CheckDataRep 'too low to be good
if alt_curr > AltTooHigh then CheckDataRep 'too high to be good
alt_max = alt_curr
CheckDataRep:
if DataRep = 0 then EndPreLaunch

'if ??? th
en EndPreLaunch
pause 60000
goto PreLaunch
EndPreLaunch:
alt_max = alt_curr
return

'****************************
'*Current Capsule Condition *
'****************************
CapsuleStatus:

GetMainV:
MainV = 0 'good until proven bad
adc_code = $9C
low adc_ce 'activate ihu adc
pause 10
shiftout data_io,clock,1,[adc_code] 'shift out instructions
shiftin data_io,clock,2,[Exp_Value\12] 'shift in the data
high adc_ce
pause 10
if Exp_Value > 2750 then GetVertVelo
```

```
MainV = 1 'low main voltage

GetVertVelo:
RMVVelo = 0 'ascending until proven descending
serin gps_rx,i4800,10000,MissingGPS,[wait ("RMV,"),wait (","),wait (","),velosign]
if velosign = "-" then GoingDown
goto GetDeltaAlt
GoingDown:
RMVVelo = 1 'negative vert velo

GetDeltaAlt:
DeltaAlt = 0
'ascending un
til proven descending
serin gps_rx,I4800,10000,MissingGPS,[wait ("$GPGGA"),skip 42, dec alt_curr]
if alt_curr > alt_max then UpdateAlt
if (alt_curr + 250) > alt_max then UpdateAlt
DeltaAlt = 1 'lower altitude
goto EndCapsuleStatus
UpdateAlt:
alt_max = alt_curr
goto EndCapsuleStatus

MissingGPS:
GPSStat = 1

EndCapsuleStatus:
return

'*****************************
'* Current Mission Status *
'*****************************
MissionStatus:
MissionPhase = 0 'assume still ascending
serout tnc_tx,I4800,["lt 4 >TV02B R-",dec DataRep," Status: ", bin4 Status]
if MainV = 1 then LowMainV
if GPSStat = 1 then BadGPS
if DeltaAlt = 1 then Descending
if RMVVelo = 1 then Descending
goto EndMissionStatus

LowMainV:
serout tnc_tx,I4800,[" Inflight Emergency, Low Main V"]
'gosub FlightTerm
goto EndMissionStatus

BadGPS:
serout tnc_tx,I4
800,[" Inflight Emerge
ncy, No GPS"]
'gosub FlightTerm
goto EndMissionStatus
```

```
Descending:
serout tnc_tx,I4800,[" Descending"]
MissionPhase = 1

EndMissionStatus:
if DeltaAlt = 1 then DoLF
if RMVVelo = 1 then DoLF
serout tnc_tx,I4800,[" Ascending"]
DoLF:
serout tnc_tx,I4800,[10]
return

'****************************
'* Experiments *
'****************************
Experiments:

StartExperiments:
return

CloseExperiments:
return

ReopenExperiments:
return

AscentExperiments:
gosub SaveDataRep
gosub GPS
gosub ADC
gosub AscCamera
gosub RH
gosub Photometer
SPRAMAddr = SPRAMAddr - 1 'get to end of data
put SPRAMAddr,"*" 'write closing * (eof)
gosub TellRamP
gosub TellTNC
return

DescentExperiments:
gosub SaveDataRep
gosub GPS
gosub ADC
gosub DscCamera
SPRAMAddr = SPRAMAddr - 1 'get to end of data
put SPRA
MAddr,"*" 'writ
e closing * (eof)
gosub TellRamP
gosub TellTNC
return
```

```
'****************************
'* Put DataRep Into SPRAM *
'****************************
SaveDataRep:
Workspace = DataRep
Digitbyte = WorkSpace/100
Digitbyte = Digitbyte + $30
put 125,Digitbyte
Digitbyte = Digitbyte - $30
WorkSpace = WorkSpace - (Digitbyte*100)
DigitByte = WorkSpace/10
Digitbyte = Digitbyte + $30
put 124,Digitbyte
Digitbyte = Digitbyte - $30
DigitByte = WorkSpace - (DigitByte * 10)
Digitbyte = Digitbyte + $30
put 123,DigitByte
put 122,","
return

'****************************
'* Get GPS Sentences *
'****************************
GPS:
GPSStat = 0 'assume a good gps
'****************************
'* Get GPGGA Sentence *
'****************************
GPGGA:
serin gps_rx,I4800,10000,NoGPS,[wait ("GGA"),spstr 65]

UTCgga:
for gpsloop = 1 to 6<
br>get gpsloop,gpschar
SPRA
MAddr = 122 - gpsloop
put SPRAMAddr,gpschar
next
put 115,"," 'SPRAMAddr = 115

ALTITUDE:
for gpsloop = 40 to 46
get gpsloop,gpschar
SPRAMAddr = 154 - gpsloop
put SPRAMAddr,gpschar
next
put 107,"," 'SPRAMAddr = 107

'****************************
'* Get PGRMV Sentence *
'****************************
PGRMV:
```

```
for gpsloop = 1 to 20
put gpsloop,"X"
next

serin gps_rx,I4800,10000,NoGPS,[wait ("RMV"),spstr 20]

RMV:
for gpsloop = 1 to 20
get gpsloop,gpschar
if gpschar = "*" then EndRMV
SPRAMAddr = 107 - gpsloop
put SPRAMAddr,gpschar
next
EndRMV:
put 86,"," 'SPRAMAddr = 86
SPRAMAddr = 86
goto EndGPS

NoGPS:
GPSStat = 1
'gosub FlightTerm
EndGPS:
return

'****************************
'* Get ADC Voltages *
'****************************
ADC:
for exploop = 0 to
3 '4 chan
nels on tv02b
lookup exploop,[$8C,$CC,$9C,$DC,$AC,$EC,$BC,$FC],adc_code
low adc_ce 'activate ihu adc
pause 10
shiftout data_io,clock,1,[adc_code] 'shift out instructions
shiftin data_io,clock,2,[Exp_Value\12] 'shift in the data
high adc_ce
pause 10
n = 4
WorkSpace = Exp_Value
gosub SaveData
next
return

'****************************
'*This Mission's Experiments*
'****************************
AscCamera:
if pix * 1000 > alt_curr then TakeAscPix
goto NoAscPix
TakeAscPix:
```

```
high 10
pause 2000
low 10
pix = pix + 1
workspace = 1 + (pix * 10)
goto EndAscCamera
NoAscPix:
workspace = pix * 10
EndAscCamera:
n = 3
gosub SaveData
return

DscCamera:
if Pix > 25 then NoDscPix
if alt_curr > 2500 then NoDscPix
TakeDscPix:
high 10
pause 2000
low 10
pix = pix + 1
workspace =
1 + (pix * 10)
goto EndDscCamera
NoDscPix:
workspace = pix * 10
EndDscCamera:
n = 3
gosub SaveData
return

RH:
high 8
pause 1
rctime 8,1,Exp_Value
low 8
n = 5
WorkSpace = Exp_Value
gosub SaveData
return

Photometer:
high 9
pause 1
rctime 9,1,Exp_Value
low 9
n = 5
WorkSpace = Exp_Value
gosub SaveData
return
```

```
'****************************
'* Send Data To RAM Pack *
'****************************
TellRAMP:
SPRAMAddr = 125
LoopRAMP:
get SPRAMAddr,digitbyte
serout fm,n1200,[digitbyte]
SPRAMAddr = SPRAMAddr - 1
if SPRAMAddr < 20 then EndTellRAMP
if digitbyte = "*" then EndTellRAMP
goto LoopRAMP
EndTellRAMP:
return

'****************************
'* Send Data to TNC *
'****************************
TellTNC:
SPRAMAddr = 125
'serout tnc_tx,I4800,["lt 4 >"]
LoopTNC:
get SPRAMAddr,digitbyte
serout tnc_tx,I4800,[digitbyt
e]
SPRAMAddr = SPRAMAddr - 1
if
SPRAMAddr < 20 then EndTellTNC
if digitbyte = "*" then EndTellTNC
goto LoopTNC
EndTellTNC:
serout tnc_tx,I4800,[cr]
return

'****************************
'* Convert Data Into Bytes *
'****************************
SaveData:

if n < 5 then N4
N5:
digitbyte = workspace/10000
workspace = workspace - (digitbyte*10000)
digitbyte = digitbyte + $30
SPRAMAddr = SPRAMAddr - 1
put SPRAMAddr,digitbyte
n = 4

N4:
if n < 4 then N3
digitbyte = workspace/1000
workspace = workspace - (digitbyte*1000)
```

```
digitbyte = digitbyte + $30
SPRAMAddr = SPRAMAddr - 1
put SPRAMAddr,digitbyte
n = 3

N3:
if n < 3 then N2
digitbyte = workspace/100
workspace = workspace - (digitbyte*100)
digitbyte = digitbyte + $30
SPRAMAddr = SPRAMAddr - 1
put SPRAMAddr,digitbyte
n = 2

N2:
if n = 1 then N1
digitbyte = workspace/10
workspace = works
pace - (digitbyte*10)
digitbyte = digit
byte + $30
SPRAMAddr = SPRAMAddr - 1
put SPRAMAddr,digitbyte

N1:
digitbyte = workspace + $30
SPRAMAddr = SPRAMAddr - 1
put SPRAMAddr,digitbyte
SPRAMAddr = SPRAMAddr - 1
put SPRAMAddr,","
return

end

--
Stephanie

*******************************

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

*******************************
```

Are you tired of sending out email that shows the wear and tear of being forwarded 50 times. Are you tired of getting this same type of mail that is hard or impossible to read. Try out Message Cleaner. I use it and I recommend it. Here is a link to get your own copy.

Here's a link to a very handy email clean-up utility, check it out:

http://w
ww.RoundhillSoftware.com/MessageCleaner?H6Ldj2XpI
(http://www.RoundhillSoftware.com/MessageCleaner?H6Ldj2XpI)

****
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--
Stephanie

****

"They that can give up essential liberty to obtain a little temporary safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

Are you tired of sending out email that shows the wear and tear of being forwarded 50 times. Are you tired of getting this same type of mail that is hard or impossible to read. Try out Message Cleaner. I use it and I recommend it. Here is a link to get your own copy.

Here's a link to a very handy email clean-up utility, check it out:

http://www.RoundhillSoftware.com/MessageCleaner?H6Ldj2XpI

****
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2805. Tuesday's Predicitons

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-21 16:26:49 UTC
From: John Knapp
Topic: 2793 Message: 2805

Using this morning data, I got the following:

Bearing: 331 Degrees
flight Time: 114 minutes
Range: 41 miles.

The MRF looks like the winds will be from the west,
also looks like the isobars are widening so the winds
may not be too strong.

JohnK
KD7HGS

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2806. Jeff: Western Aircraft

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-21 21:44:45 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2806 Message: 2806

Sorry to distrub the list, but I didn't have Jeff's email address.

Jeff, look for me and my class at Western Aircraft tomorrow. Dan
set up Wednesday as a field trip for my three classes.

Paul

2807. Predictions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-22 03:47:26 UTC
From: Mike Garske
Topic: 2238 Message: 2807

If I read this right, for 0000z 22 May 02, the predicitions are:

Bearing 15.6 degrees
Range: 7.4 miles (!!)
Flight duration: 116.7 minutes

Wow, anybody up for a short chase tonight?? :)

Mike KC7DPD

2808. Re: [tvnsp] Predictions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-22 13:43:03 UTC
From: randy farley
Topic: 2238 Message: 2808

I did one this morning using 000Z 22 and got:
(if i did it right)
Bearing 30.6 deg.
Range 6.3 Mi.
Flight Time 123 Minutes

Could get dizzy watching it overhead or go for breakfast
and monitor from Pancake House ;)

On Tue, 21 May 2002 21:47:26 -0600
"Mike Garske" <kc7dpd@...> wrote:
> If I read this right, for 0000z 22 May 02, the
> predicitions are:
>
> Bearing 15.6 degrees
> Range: 7.4 miles (!!)
> Flight duration: 116.7 minutes
>
> Wow, anybody up for a short chase tonight?? :)
>
> Mike KC7DPD

regards,

Randy

2809. Re: [tvnsp] Predictions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-22 14:34:32 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2238 Message: 2809

> If I read this right, for 0000z 22 May 02, the predicitions are:
>
> Bearing 15.6 degrees
> Range: 7.4 miles (!!)
> Flight duration: 116.7 minutes
>
> Wow, anybody up for a short chase tonight?? :)

The only problem is that the camera takes pictures of the same
place, over and over again.

;)

Paul

2810. Re: [tvnsp] Predictions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-22 15:09:39 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2238 Message: 2810

Pete Sias' first launch landed one mile from the launch site. They
trained a lot for DFing the payload and ended up watching it go
straight up and straight down.

Pete's the one who got me started.

Paul

> I did one this morning using 000Z 22 and got:
> (if i did it right)
> Bearing 30.6 deg.
> Range 6.3 Mi.
> Flight Time 123 Minutes
>
> Could get dizzy watching it overhead or go for breakfast
> and monitor from Pancake House ;)
>
>
> On Tue, 21 May 2002 21:47:26 -0600
> "Mike Garske" <kc7dpd@...> wrote:
> > If I read this right, for 0000z 22 May 02, the
> > predicitions are:
> >
> > Bearing 15.6 degrees
> > Range: 7.4 miles (!!)
> > Flight duration: 116.7 minutes
> >
> > Wow, anybody up for a short chase tonight?? :)
> >
> > Mike KC7DPD
>
> regards,
>
> Randy
>
>
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>
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>
>

2811. Re: [tvnsp] Predictions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-22 15:38:23 UTC
From: John Knapp
Topic: 2238 Message: 2811

I used 12Z for May 22 and got the following:

Flight time 114 minutes
Bearing: 106 degrees
Range: 12.3 Miles.

The MRF is showing upper winds from the west and looks
like they will be fairly slow - isobars are getting
further apart. Paul, am I reading the MRF correctly?

The balloon path is really strange if you look at it.
It basically doubles back on itself then does a lazy W
before landing.

I like the idea of watching it from IHOP......

JohnK
--- randy farley <rdfarley@...> wrote:
> I did one this morning using 000Z 22 and got:
> (if i did it right)
> Bearing 30.6 deg.
> Range 6.3 Mi.
> Flight Time 123 Minutes
>
> Could get dizzy watching it overhead or go for
> breakfast
> and monitor from Pancake House ;)
>
>
> On Tue, 21 May 2002 21:47:26 -0600
> "Mike Garske" <kc7dpd@...> wrote:
> > If I read this right, for 0000z 22 May 02, the
> > predicitions are:
> >
> > Bearing 15.6 degrees
> > Range: 7.4 miles (!!)
> > Flight duration: 116.7 minutes
> >
> > Wow, anybody up for a short chase tonight?? :)
> >
> > Mike KC7DPD
>
> regards,
>
> Randy
>

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2812. Status, 22 May

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-22 17:16:29 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2812 Message: 2812

I connected the ring and bearing to the top of the parachute. A few days ago I sewed the rings to the ends of the shroud lines. The parachute is complete. I'll weigh it today.

I loaded the line and battery into the flight termination unit (FTU). It's also connected to the top of the parachute. We can set the timer during Friday's dinner. If there's a significant change in launch time, we'll reset the timer at the launch site.

Paul

2813. Re: [tvnsp] Predictions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-22 16:26:28 UTC
From: Mark Conner
Topic: 2238 Message: 2813

The MRF forecast sounding for Saturday morning shows winds from the WSW (240-250) for most of the atmosphere. Strongest winds were about 45-50 mph. I would guess from this you'll end up about 060 at 40 miles or so from the launch site.

Looks like a decent day for Saturday - some high clouds and maybe some late afternoon showers.

- Mark

----- Original Message -----
From: John Knapp <kd7hgs@...>
Date: Wednesday, May 22, 2002 10:38 am
Subject: Re: [tvnsp] Predictions

> The MRF is showing upper winds from the west and looks
>
> like they will be fairly slow - isobars are getting
>
> further apart. Paul, am I reading the MRF correctly?
>
>
>

2814. Re: Status, 20 May

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-23 07:23:06 UTC
From: n1ltv
Topic: 2793 Message: 2814

> My capsule weighs in at 5 pounds. Jeffs weighs in at 4.7
> pounds. The parachute is around 1 pound. Plan for a 1000 fpm
> ascent and max altitude of 90,000 feet.

I finally fixed LIFTWIN which was underestimating burst
heights for the 1000g and 1200 gram Kaymonts. It was
a quick fix so it hasn't been uploaded to HABLIC website
yet.

For the above figures LIFTWIN is saying 280 cubic feet of
helium and about 5 pounds of free lift. Burst height 87k
feet but the Kaymonts seem to typically do a little better
so 88-91k is about right for height.

Hank

2815. Thursday prediction

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-23 13:02:36 UTC
From: kd7pit
Topic: 2815 Message: 2815

Here's my 2 cents worth of info. Just downloaded balloon track (v 1.7.7)and tried it out. Here's my results

Using the 12Z 23 May 2002 data:

Range: 23.6 miles
Bearing: 222.0 deg
Duration: 80.9 min.

Boise NWS is calling Saturday as P. cloudy, highs 70-75.

Justin, KD7PIT

2816. Re: [tvnsp] Thursday prediction

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-23 15:54:24 UTC
From: John Knapp
Topic: 2815 Message: 2816

This morning I got the following from the 1200Z data:

Range: 23 Mi.
Bearing: 224 Degrees
Duration: 117 Min

I did notice in the data there were no values between
53,281 and 90,000 ft, either direction. What
difference does this make on the outcome? I am using
version 1.7.4.

JohnK

--- kd7pit <J_Formolo@...> wrote:
> Here's my 2 cents worth of info. Just downloaded
> balloon track (v
> 1.7.7)and tried it out. Here's my results
>
> Using the 12Z 23 May 2002 data:
>
> Range: 23.6 miles
> Bearing: 222.0 deg
> Duration: 80.9 min.
>
> Boise NWS is calling Saturday as P. cloudy, highs
> 70-75.
>
> Justin, KD7PIT
>
>

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2817. Re: [tvnsp] Thursday prediction

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-23 17:02:19 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2815 Message: 2817

Mark can correct me on this, but I believe the stratosphere is going
to be consisent now. So use the numbers from yesterday to fill in
the hole.

Paul

> This morning I got the following from the 1200Z data:
>
> Range: 23 Mi.
> Bearing: 224 Degrees
> Duration: 117 Min
>
> I did notice in the data there were no values between
> 53,281 and 90,000 ft, either direction. What
> difference does this make on the outcome? I am using
> version 1.7.4.
>
> JohnK
>
> --- kd7pit <J_Formolo@...> wrote:
> > Here's my 2 cents worth of info. Just downloaded
> > balloon track (v
> > 1.7.7)and tried it out. Here's my results
> >
> > Using the 12Z 23 May 2002 data:
> >
> > Range: 23.6 miles
> > Bearing: 222.0 deg
> > Duration: 80.9 min.
> >
> > Boise NWS is calling Saturday as P. cloudy, highs
> > 70-75.
> >
> > Justin, KD7PIT
> >
> >
>
>
> _____
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>
>

2818. Re: Thursday prediction

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-23 16:22:58 UTC
From: n1ltv
Topic: 2815 Message: 2818

> Mark can correct me on this, but I believe the stratosphere
> is going to be consisent now. So use the numbers from
> yesterday to fill in the hole.

There is a way to obtain that gap data at higher altitudes
using the UWYOMING sounding site. Almost no one knows how
to do this, and I only found out about it myself a month ago
from UWYOMING site programmers. No one should have to fill
in the gaps, the data is almost always right there, you just
have to know how to operate UWYOMING site.

On the subject of predictions:

With the uppper air as it is over Idaho, all these predictions
based on Wed. and Thursday *actual* soundings are going
to be in error.

As Mark has said, the FORECAST winds Saturday will be from
west to east. TVNSP balloon will undoubtedly go to the
EAST. Go by the direction and bearing Mark has already
posted.

He may have a better one for you today, and I may do one
if I have time.

I'll upload a graphic of the winds over Idaho for today
and forecast for Saturday and it will be crystal clear
what's going on.

Hank

2819. good predictions need the correct winds

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-23 17:24:29 UTC
From: Hank Riley
Topic: 2819 Message: 2819
Attachments: 1 described; binary payloads are missing from this source WARC

Here's that graphic that shows how there's a
swirl of upper air currents centered just about
over southern Idaho. Go in any direction and the
winds have all kinds of directions, some places
have almost no wind.

With this going on, predictions done with Thursday
soundings give you practice using Balltrak, but are
of no value otherwise.

The Saturday graphic clearly shows a spatially
consistent west to east flow over the northern
Rockies and in fact the entire West.

TVNSP will go east on Saturday.

Hank

_____
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2820. getting rid of the gaps at UWYOMING soundings

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-23 17:38:00 UTC
From: n1ltv
Topic: 2819 Message: 2820

To get all the data above 100 millbars at UWYOMING,
often it's necessary to click the recalculate button
at the lower left of the screen.

If you get a sounding file that stops at 100 millibars,
go back to the selection page and click that recalculate
button and then get the file again and it will be complete!

Once anyone does this, it will be fixed forever.

If you look at today's 12Z for Boise, it will be fixed
because I did the recalculate already.

Hank

2821. Re: [tvnsp] good predictions need the correct winds

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-23 18:55:49 UTC
From: John Knapp
Topic: 2819 Message: 2821

I agree 100% with you about the forcasts from today
vs. Saturday. We are practicing, making sure everyone
is in agreement with each other on the forcasts.

Thanks for the info on the missing winds. I will try
the prediction again with the changes.

Judging from the MRF, the balloon should west to east.
The winds aloft look like they are not to strong. Of
course, Saturday morning it could change in a
hurry....

JohnK

--- Hank Riley <n1ltv@...> wrote:
> Here's that graphic that shows how there's a
> swirl of upper air currents centered just about
> over southern Idaho. Go in any direction and the
> winds have all kinds of directions, some places
> have almost no wind.
>
> With this going on, predictions done with Thursday
> soundings give you practice using Balltrak, but are
> of no value otherwise.
>
> The Saturday graphic clearly shows a spatially
> consistent west to east flow over the northern
> Rockies and in fact the entire West.
>
> TVNSP will go east on Saturday.
>
> Hank
>
>
>

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> Hotmail.
> http://www.hotmail.com
>

> ATTACHMENT part 2 image/gif name=swirl.gif

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2822. Re: Mark's predictions from Wednesday

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-23 19:06:59 UTC
From: n1ltv
Topic: 2238 Message: 2822

> The MRF forecast sounding for Saturday morning shows winds
> from the WSW (240-250) for most of the atmosphere. Strongest
> winds were about 45-50 mph. I would guess from this you'll
> end up about 060 at 40 miles or so from the launch site.

The above is what Mark did Wednesday by eyeballing the
forecast data. It was pretty good on bearing and very
good on range.

By running an actual numerical prediction using forecast
winds for SATURDAY, the range is 42 miles at a bearing
of 93 degrees. Total flight time 140 minutes. This
procedure is tedious, involves a bunch of hand entries
and conversions, and is not fun.

I'll have to write a whole bunch of little programs to
do all these conversions automatically.

Incidentally, the graphic I posted is the AVN model, and
it agrees with MRF on the direction of the jetstream
Saturday (as best as one can tell by looking at a diagram).

To summarize what data was input:

1000 ft/min ascent
1200 ft/min descent
90,000 foot burst

MRF model for Saturday 12 UTC obtained Thursday afternoon

Hank

2823. Re: good predictions need the correct winds

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-23 19:16:36 UTC
From: n1ltv
Topic: 2819 Message: 2823

> Judging from the MRF, the balloon should go west to east.
> The winds aloft look like they are not to strong. Of
> course, Saturday morning it could change in a
> hurry....

For real planning purposes to try to get the balloon down
in a nonpopulated and non-mountainous area, I've done
an actual numerical prediction for TVNSP which was just
posted.

I hope there is some thought going on even *today* about
where to launch to accomplish a nice recovery.

Certainly by tommorrow afternoon the predicted landing
spot should be pretty reliable. I'll do at least one
complete numerical prediction tomorrow to increase the
chances of a not too difficult TVNSP payload recovery.

Hank

2824. Re: [Balloon_Sked] Flight TV02B

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-23 20:58:23 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2824 Message: 2824

> > The balloon is a 1200 grams and 2 pounds positive lift (PPL)
> > will be used. Expected max altitude is between 85,000 and
> > 90,000 feet.
>
> Are you thinking of stretching out the flight a little?
>
> Reason I ask is that only 2 pounds of free lift supposedly
> will be under 1000 feet/min. Liftwin says more like 4.5
> pounds.
>
> If you're changing your plans (i.e., lower ascent rate) because
> of the mild winds forecast, please let me know so the landing
> prediction can be adjusted to conform.

The numbers above are my swag. When we fill the balloon outdoors and attempt to put 2 PPL in the balloon, we'll see closer to 1000 fpm. (the problem occurs because even a light breeze will throw off our measurements and we'll error on the side of caution).

Paul

2825. Pre-launch meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-24 01:52:53 UTC
From: Jeff Melanson
Topic: 2825 Message: 2825

TVNSP,

We talked about having the pre-launch meeting at Jade Garden in Nampa at 6:00 pm. Has anyone called for reservations? Is the meeting time good for all to attend?

Jeff

2826. Re: [tvnsp] Launch Co-ordinates

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-24 02:19:08 UTC
From: Jeff Melanson
Topic: 2804 Message: 2826

Place Lat Lon Alt

Adrian 43.73 -117.06 2200
Homedale 43.6147 -116.9227 2210
Jordan Valley 42.97408 -117.0542 2800
Kuna 43.4845 -116.46033 2800
Murphy 43.2158 -116.55 2825
Rome Airport 42.58417 -117.87967 ?
Succor Creek 43.23008 -117.06147 4800
Twin Falls 42.58333 -114.47417 2100

Stephanie Steele wrote:
>
> I could also use our known lauch site coordinates. Thanks
>
> Stephanie Steele wrote:
>
> > I am attempting to use balloon track for the first time.
> > Will someone please give me all the parameter values
> > that need to be set to get accurate predictions. I would
> > like to calculate along with everyone else so I can
> > learn this part of the process. Thanks!
> >
> > Stephanie
> >
> >
> > verhap@... wrote:
> >
> >> for those interested, I'm attaching the flight code
> >> for the next
> >> launch. Experiments include a RH and temperature
> >> sensor and
> >> photometer that measures sky brightness. There will
> >> also be a
> >> camera directed to the -Z axis (straight down). There
> >> should be
> >> enough film to take pictures of the landing site.
> >>
> >> Once the capsule is powered up, there will be 10
> >> minutes before it
> >> goes into flight mode.
> >>
> >> There's room for additions to the code. For instance,
> >> I plan to use
> >> a launch commit switch in the future that signals the

```
> >> flight
> >> computer to go into flight mode (rather than idle in a
> >> preflight
> >> mode). I'll also add a minimum altitude the capsule
> >> must reach
> >> before it can go into descent mode. This prevents the
> >> capsule from
> >> thinking its descending when it hasn't been launched
> >> within 10
> >> minutes of start up.
> >>
> >> The BS2p that I'm using has 16 kb of memory (in eight
> >> slots). So
> >> far the code is only using 3/4 of the available memory
> >> of one slot.
> >>
> >> To look at the code, open the file with notepad.
> >>
> >> Paul
> >>
> >>
> >>
> >> To unsubscribe from this group, send an email to:
> >> tvnsp-unsubscribe@egroups.com
> >>
> >>
> >>
> >> Your use of Yahoo! Groups is subject to the Yahoo!
> >> Terms of Service .
> >>
> >> ----------------------------------------------------
> >> '****************************
> >> '* TVNSP Mission *
> >> '* Flight TV02B *
> >> '* 12 May 2002 *
> >> '****************************
> >> '****************************
> >> '* Comm Definitions *
> >> '****************************
> >> n1200 con 2063 '1200 baud n81 true
> >> n2400 con 1021 '2400 baud n81 true
> >> i4800 con 16884 '4800 baud n81 inverted
> >> '****************************
> >> '* GPS Variables *
> >> '****************************
> >> Status_Flag var nib
> >> alt_curr var word 'current gps alt (m)
> >> alt_max var word 'highest alt so far
> >> gpschar var byte
> >> gpsloop var byte
```

```
> >> velosign var byte 'sign of vert velo (- or
> >> digit)
> >> AltTooLow con 600 'range of starting
> >> altitudes
> >> AltTooHigh con 1200 'range of starting
> >> altitudes
> >> '*****************************
> >> '* BS2p I/O De
> >> fi
> >> nitions *
> >> '*****************************
> >> clock con 0
> >> adc_ce con 1
> >> data_io con 2
> >> tnc_tx con 3
> >> tnc_rx con 4
> >> gps_tx con 5
> >> servo con 6
> >> gps_rx con 7
> >> mode con 13
> >> rw con 14
> >> fm con 15
> >> tm con 15
> >> '*****************************
> >> '* Housekeeping Variables *
> >> '*****************************
> >> exploop var nib
> >> adc_code var byte
> >> exp_value var word
> >> workspace var word
> >> DataRep var word
> >> digitnib var nib
> >> digitbyte var byte
> >> Status var nib
> >> MainV var Status.bit0 '0=good voltage, 1=bad
> >> voltage
> >> GPSStat var Status.bit1 '0=good gps, 1 = bad
> >> gps
> >> DeltaAlt var Status.bit2 '0=+change in alt,
> >> 1=-change in alt
> >> RMVVelo var Status.bit3 '0=upward velo,
> >> 1=downward velo
> >> MissionPhase var bit '0=ascent, 1=descent
> >> SPRAMAddr var byte
> >> n var nib 'number
> >> of di
> >> gits to bytize
> >> '*****************************
> >> '* Mission Specific Data *
> >> '*****************************
```

```
> >> Pix var byte 'number of photos taken
> >> '****************************
> >> '* Flight Code *
> >> '****************************
> >> BeginMission:
> >> gosub PreFlight
> >> gosub PreLaunch
> >> StartMission:
> >> DataRep = 0
> >> gosub StartExperiments
> >> AscentPhase:
> >> DataRep = DataRep + 1
> >> gosub CapsuleStatus
> >> pause 30000
> >> gosub AscentExperiments
> >> pause 30000
> >> gosub MissionStatus
> >> if MissionPhase = 0 then AscentPhase
> >> gosub CloseExperiments
> >> DescentPhase:
> >> DataRep = DataRep + 1
> >> gosub CapsuleStatus
> >> pause 10000
> >> gosub DescentExperiments
> >> pause 10000
> >> gosub MissionStatus
> >> if MissionPhase = 1 then DescentPhase
> >> gosub ReopenExperiments
> >> goto AscentPhase
> >> '****************************
> >> '* Preflight Configuration *
> >> '****************************
> >> PreFlight:
> >> input 15
> >> output 14
> >>
> >> MissionPha
> >> se = 0
> >> Pix = 0
> >> DataRep = 11
> >> '****************************
> >> '* Set Up RAMPack *
> >> '****************************
> >> RAMPack:
> >> high fm
> >> high rw
> >> high mode 'not in fifo mode
> >> pause 3000
> >> serout fm,n1200,[$55,$04] 'set baud rate for fifo
> >> pause 1000
```

```
> >> serout fm,n1200,[$55,$03] 'use expanded ram
> >> pause 100
> >> low rw 'put into fifo write mode
> >> low mode 'put into fifo mode
> >> return
> >> '****************************
> >> '* PreLaunch Routines *
> >> '****************************
> >> PreLaunch:
> >> DataRep = DataRep - 1
> >> serout tnc_tx,I4800,["lt 4 >T-", dec DataRep, cr]
> >> serin gps_rx,I4800,10000,NoGPS,[wait ("$GPGGA"),skip
> >> 45, dec alt_curr]
> >> if alt_curr < AltTooLow then CheckDataRep 'too low to
> >> be good
> >> if alt_curr > AltTooHigh then CheckDataRep 'too high
> >> to be good
> >> alt_max = alt_curr
> >> CheckDataRep:
> >> if DataRep = 0 then EndPreLaunch
> >> 'if ??? th
> >> en EndPreLaunch
> >> pause 60000
> >> goto PreLaunch
> >> EndPreLaunch:
> >> alt_max = alt_curr
> >> return
> >> '****************************
> >> '*Current Capsule Condition *
> >> '****************************
> >> CapsuleStatus:
> >> GetMainV:
> >> MainV = 0 'good until proven bad
> >> adc_code = $9C
> >> low adc_ce 'activate ihu adc
> >> pause 10
> >> shiftout data_io,clock,1,[adc_code] 'shift
> >> out instructions
> >> shiftin data_io,clock,2,[Exp_Value\12] 'shift in
> >> the data
> >> high adc_ce
> >> pause 10
> >> if Exp_Value > 2750 then GetVertVelo
> >> MainV = 1 'low main voltage
> >> GetVertVelo:
> >> RMVVelo = 0 'ascending until proven
> >> descending
> >> serin gps_rx,i4800,10000,MissingGPS,[wait
> >> ("RMV,"),wait (","),wait (","),velosign]
> >> if velosign = "-" then GoingDown
```

```
> >> goto GetDeltaAlt
> >> GoingDown:
> >> RMVVelo = 1 'negative vert velo
> >> GetDeltaAlt:
> >> DeltaAlt = 0
> >> 'ascending un
> >> til proven descending
> >> serin gps_rx,I4800,10000,MissingGPS,[wait
> >> ("$GPGGA"),skip 42, dec alt_curr]
> >> if alt_curr > alt_max then UpdateAlt
> >> if (alt_curr + 250) > alt_max then UpdateAlt
> >> DeltaAlt = 1 'lower altitude
> >> goto EndCapsuleStatus
> >> UpdateAlt:
> >> alt_max = alt_curr
> >> goto EndCapsuleStatus
> >> MissingGPS:
> >> GPSStat = 1
> >> EndCapsuleStatus:
> >> return
> >> '****************************
> >> '* Current Mission Status *
> >> '****************************
> >> MissionStatus:
> >> MissionPhase = 0 'assume still ascending
> >> serout tnc_tx,I4800,["lt 4 >TV02B R-",dec DataRep,"
> >> Status: ", bin4 Status]
> >> if MainV = 1 then LowMainV
> >> if GPSStat = 1 then BadGPS
> >> if DeltaAlt = 1 then Descending
> >> if RMVVelo = 1 then Descending
> >> goto EndMissionStatus
> >> LowMainV:
> >> serout tnc_tx,I4800,[" Inflight Emergency, Low Main
> >> V"]
> >> 'gosub FlightTerm
> >> goto EndMissionStatus
> >> BadGPS:
> >> serout tnc_tx,I4
> >> 800,[" Inflight Emerge
> >> ncy, No GPS"]
> >> 'gosub FlightTerm
> >> goto EndMissionStatus
> >> Descending:
> >> serout tnc_tx,I4800,[" Descending"]
> >> MissionPhase = 1
> >> EndMissionStatus:
> >> if DeltaAlt = 1 then DoLF
> >> if RMVVelo = 1 then DoLF
> >> serout tnc_tx,I4800,[" Ascending"]
```

```
> >> DoLF:
> >> serout tnc_tx,I4800,[10]
> >> return
> >> '****************************
> >> '* Experiments *
> >> '****************************
> >> Experiments:
> >> StartExperiments:
> >> return
> >> CloseExperiments:
> >> return
> >> ReopenExperiments:
> >> return
> >> AscentExperiments:
> >> gosub SaveDataRep
> >> gosub GPS
> >> gosub ADC
> >> gosub AscCamera
> >> gosub RH
> >> gosub Photometer
> >> SPRAMAddr = SPRAMAddr - 1 'get to end of data
> >> put SPRAMAddr,"*" 'write closing * (eof)
> >> gosub TellRamP
> >> gosub TellTNC
> >> return
> >> DescentExperiments:
> >> gosub SaveDataRep
> >> gosub GPS
> >> gosub ADC
> >> gosub DscCamera
> >> SPRAMAddr = SPRAMAddr - 1 'get to end of data
> >> put SPRA
> >> MAddr,"*" 'writ
> >> e closing * (eof)
> >> gosub TellRamP
> >> gosub TellTNC
> >> return
> >> '****************************
> >> '* Put DataRep Into SPRAM *
> >> '****************************
> >> SaveDataRep:
> >> Workspace = DataRep
> >> Digitbyte = WorkSpace/100
> >> Digitbyte = Digitbyte + $30
> >> put 125,Digitbyte
> >> Digitbyte = Digitbyte - $30
> >> WorkSpace = WorkSpace - (Digitbyte*100)
> >> DigitByte = WorkSpace/10
> >> Digitbyte = Digitbyte + $30
> >> put 124,Digitbyte
```

```
> >> Digitbyte = Digitbyte - $30
> >> DigitByte = WorkSpace - (DigitByte * 10)
> >> Digitbyte = Digitbyte + $30
> >> put 123,DigitByte
> >> put 122,","
> >> return
> >> '****************************
> >> '* Get GPS Sentences *
> >> '****************************
> >> GPS:
> >> GPSStat = 0 'assume a good gps
> >> '****************************
> >> '* Get GPGGA Sentence *
> >> '****************************
> >> GPGGA:
> >> serin gps_rx,I4800,10000,NoGPS,[wait ("GGA"),spstr 65]
> >> UTCgga:
> >> for gpsloop = 1 to 6<
> >> br>get gpsloop,gpschar
> >> SPRA
> >> MAddr = 122 - gpsloop
> >> put SPRAMAddr,gpschar
> >> next
> >> put 115,"," 'SPRAMAddr = 115
> >> ALTITUDE:
> >> for gpsloop = 40 to 46
> >> get gpsloop,gpschar
> >> SPRAMAddr = 154 - gpsloop
> >> put SPRAMAddr,gpschar
> >> next
> >> put 107,"," 'SPRAMAddr = 107
> >> '****************************
> >> '* Get PGRMV Sentence *
> >> '****************************
> >> PGRMV:
> >> for gpsloop = 1 to 20
> >> put gpsloop,"X"
> >> next
> >> serin gps_rx,I4800,10000,NoGPS,[wait ("RMV"),spstr 20]
> >> RMV:
> >> for gpsloop = 1 to 20
> >> get gpsloop,gpschar
> >> if gpschar = "*" then EndRMV
> >> SPRAMAddr = 107 - gpsloop
> >> put SPRAMAddr,gpschar
> >> next
> >> EndRMV:
> >> put 86,"," 'SPRAMAddr = 86
> >> SPRAMAddr = 86
> >> goto EndGPS
```

```
> >> NoGPS:
> >> GPSStat = 1
> >> 'gosub FlightTerm
> >> EndGPS:
> >> return
> >> '****************************
> >> '* Get ADC Voltages *
> >> '****************************
> >> ADC:
> >> for exploop = 0 to
> >> 3 '4 chan
> >> nels on tv02b
> >> lookup
> >> exploop,[$8C,$CC,$9C,$DC,$AC,$EC,$BC,$FC],adc_code
> >> low adc_ce 'activate
> >> ihu adc
> >> pause 10
> >> shiftout data_io,clock,1,[adc_code] 'shift
> >> out instructions
> >> shiftin data_io,clock,2,[Exp_Value\12] 'shift in
> >> the data
> >> high adc_ce
> >> pause 10
> >> n = 4
> >> WorkSpace = Exp_Value
> >> gosub SaveData
> >> next
> >> return
> >> '****************************
> >> '*This Mission's Experiments*
> >> '****************************
> >> AscCamera:
> >> if pix * 1000 > alt_curr then TakeAscPix
> >> goto NoAscPix
> >> TakeAscPix:
> >> high 10
> >> pause 2000
> >> low 10
> >> pix = pix + 1
> >> workspace = 1 + (pix * 10)
> >> goto EndAscCamera
> >> NoAscPix:
> >> workspace = pix * 10
> >> EndAscCamera:
> >> n = 3
> >> gosub SaveData
> >> return
> >> DscCamera:
> >> if Pix > 25 then NoDscPix
> >> if alt_curr > 2500 then NoDscPix
```

```
> >> TakeDscPix:
> >> high 10
> >> pause 2000
> >> low 10
> >> pix = pix + 1
> >> workspace =
> >> 1 + (pix * 10)
> >> goto EndDscCamera
> >> NoDscPix:
> >> workspace = pix * 10
> >> EndDscCamera:
> >> n = 3
> >> gosub SaveData
> >> return
> >> RH:
> >> high 8
> >> pause 1
> >> rctime 8,1,Exp_Value
> >> low 8
> >> n = 5
> >> WorkSpace = Exp_Value
> >> gosub SaveData
> >> return
> >> Photometer:
> >> high 9
> >> pause 1
> >> rctime 9,1,Exp_Value
> >> low 9
> >> n = 5
> >> WorkSpace = Exp_Value
> >> gosub SaveData
> >> return
> >> '****************************
> >> '* Send Data To RAM Pack *
> >> '****************************
> >> TellRAMP:
> >> SPRAMAddr = 125
> >> LoopRAMP:
> >> get SPRAMAddr,digitbyte
> >> serout fm,n1200,[digitbyte]
> >> SPRAMAddr = SPRAMAddr - 1
> >> if SPRAMAddr < 20 then EndTellRAMP
> >> if digitbyte = "*" then EndTellRAMP
> >> goto LoopRAMP
> >> EndTellRAMP:
> >> return
> >> '****************************
> >> '* Send Data to TNC *
> >> '****************************
> >> TellTNC:
```

```
> >> SPRAMAddr = 125
> >> 'serout tnc_tx,I4800,["lt 4 >"]
> >> LoopTNC:
> >> get SPRAMAddr,digitbyte
> >> serout tnc_tx,I4800,[digitbyt
> >> e]
> >> SPRAMAddr = SPRAMAddr - 1
> >> if
> >> SPRAMAddr < 20 then EndTellTNC
> >> if digitbyte = "*" then EndTellTNC
> >> goto LoopTNC
> >> EndTellTNC:
> >> serout tnc_tx,I4800,[cr]
> >> return
> >> '****************************
> >> '* Convert Data Into Bytes *
> >> '****************************
> >> SaveData:
> >> if n < 5 then N4
> >> N5:
> >> digitbyte = workspace/10000
> >> workspace = workspace - (digitbyte*10000)
> >> digitbyte = digitbyte + $30
> >> SPRAMAddr = SPRAMAddr - 1
> >> put SPRAMAddr,digitbyte
> >> n = 4
> >> N4:
> >> if n < 4 then N3
> >> digitbyte = workspace/1000
> >> workspace = workspace - (digitbyte*1000)
> >> digitbyte = digitbyte + $30
> >> SPRAMAddr = SPRAMAddr - 1
> >> put SPRAMAddr,digitbyte
> >> n = 3
> >> N3:
> >> if n < 3 then N2
> >> digitbyte = workspace/100
> >> workspace = workspace - (digitbyte*100)
> >> digitbyte = digitbyte + $30
> >> SPRAMAddr = SPRAMAddr - 1
> >> put SPRAMAddr,digitbyte
> >> n = 2
> >> N2:
> >> if n = 1 then N1
> >> digitbyte = workspace/10
> >> workspace = works
> >> pace - (digitbyte*10)
> >> digitbyte = digit
> >> byte + $30
> >> SPRAMAddr = SPRAMAddr - 1
```

> >> put SPRAMAddr,digitbyte
> >> N1:
> >> digitbyte = workspace + $30
> >> SPRAMAddr = SPRAMAddr - 1
> >> put SPRAMAddr,digitbyte
> >> SPRAMAddr = SPRAMAddr - 1
> >> put SPRAMAddr,","
> >> return
> >> end
> >>
> >
> > --
> > Stephanie
> > ******************************
> > "They that can give up essential liberty to obtain a little temporary
> > safety deserve neither liberty nor safety."
> > Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.
> > "Those who desire to give up freedom in order to gain security will not
> > have, nor do they deserve, either one."
> > President Thomas Jefferson.
> > 1743-1826
> > ******************************
> > Are you tired of sending out email that shows the wear and tear of being forwarded 50
times. Are you tired of getting this same type of mail that is hard or impossible to read.
Try out Message Cleaner. I use it and I recommend it. Here is a link to get your own copy.
> > Here's a link to a very handy email clean-up utility, check it out:
> > http://w
> > ww.RoundhillSoftware.com/MessageCleaner?H6Ldj2XpI
> > *************
> > ******************
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> > is addressed. If the reader of this e-mail message is not the intended
> > recipient you are notified any disclosure, dissemination, distribution,
> > copying or the taking of any action based upon the information contained in
> > this message is strictly prohibited.
> >
> >
> >
> >
> > To unsubscribe from this group, send an email to:
> > tvnsp-unsubscribe@egroups.com
> >
> >
> >
> > Your use of Yahoo! Groups is subject to the Yahoo! Terms
> > of Service .
> >
>
> --

> Stephanie
>
> ******************************
>
> "They that can give up essential liberty to obtain a little temporary
> safety deserve neither liberty nor safety."
>
> Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.
>
> "Those who desire to give up freedom in order to gain security will not
> have, nor do they deserve, either one."
>
> President Thomas Jefferson.
> 1743-1826
>
> ******************************
>
> Are you tired of sending out email that shows the wear and tear of being forwarded 50
times. Are you tired of getting this same type of mail that is hard or impossible to read.
Try out Message Cleaner. I use it and I recommend it. Here is a link to get your own copy.
>
> Here's a link to a very handy email clean-up utility, check it out:
>
> http://www.RoundhillSoftware.com/MessageCleaner?H6Ldj2XpI
>
> ***********
> ********************
>
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2827. Re: [tvnsp] Pre-launch meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-24 14:27:52 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2825 Message: 2827

> We talked about having the pre-launch meeting at Jade Garden
> in Nampa at 6:00 pm. Has anyone called for reservations? Is
> the meeting time good for all to attend?

I've set up reservations, but they are for 6:30.

Paul

2828. Re: [tvnsp] Pre-launch meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-24 13:36:26 UTC
From: Mike Garske
Topic: 2825 Message: 2828

6:30 works for me!

Haven't heard if Doug put money in our Sheenan's Helium account, has that
been done? I will pick it up around 3pm today.

Mike KC7DPD

----- Original Message -----
From: <verhap@...>
To: <tvnsp@yahoogroups.com>
Sent: Friday, May 24, 2002 8:27 AM
Subject: Re: [tvnsp] Pre-launch meeting

> > We talked about having the pre-launch meeting at Jade Garden
> > in Nampa at 6:00 pm. Has anyone called for reservations? Is
> > the meeting time good for all to attend?
>
> I've set up reservations, but they are for 6:30.
>
> Paul
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
>
>

2829. Re: [tvnsp] Re: good predictions need the correct winds

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-24 13:37:30 UTC
From: Stephanie Steele
Topic: 2819 Message: 2829

If the flight distance is 20-25 miles as it appears to be now, I would suggest launching from the Vale, Oregon area if the winds are from the west and from Farewell Bend if the winds are from the northwest. There is a third option if the winds split the difference. Landing would be between New Plymouth and Emmett in farmground.

Stephanie

n1ltv wrote:

> Judging from the MRF, the balloon should go west to east.
> The winds aloft look like they are not to strong. Of
> course, Saturday morning it could change in a
> hurry....

For real planning purposes to try to get the balloon down
in a nonpopulated and non-mountainous area, I've done
an actual numerical prediction for TVNSP which was just
posted.

I hope there is some thought going on even *today* about
where to launch to accomplish a nice recovery.

Certainly by tommorrow afternoon the predicted landing
spot should be pretty reliable. I'll do at least one
complete numerical prediction tomorrow to increase the
chances of a not too difficult TVNSP payload recovery.

Hank

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(http://docs.yahoo.com/info/terms/) .

--
Stephanie

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

Are you tired of sending out email that shows the wear and tear of being forwarded 50 times. Are you tired of getting this same type of mail that is hard or impossible to read. Try out Message Cleaner. I use it and I recommend it. Here is a link to get your own copy.

Here's a link to a very handy email clean-up utility, check it out:

http://www.RoundhillSoftware.com/MessageCleaner?H6Ldj2XpI

****
****

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2830. Flight CD-ROM

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-24 13:41:24 UTC
From: Mike Garske
Topic: 2830 Message: 2830

Paul and the group,

Does anyone have anything to add to the CD I am going to burn for this flight? I have pics from our last 4 or 5 launches. I was also going to put APRS, and Balloon Track on the CD. There is still plenty of room available if anyone has any ideas. If so, bring whatever it is to the dinner tonight!

Mike KC7DPD

2831. Balloon Track 1.77 Bug?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-24 14:00:30 UTC
From: Mike Garske
Topic: 2831 Message: 2831

Ok, I downloaded 1.77, and ran it last night with no problems. Tried it this morning, and when I go to open the data file, it shows a blank screen, no data comes up in the main window. All it does is turn green, and I can't run a track.....am I doing something wrong? I even tried older data files, no luck.

Mike KC7DPD

2832. APRS on a Windows CE

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-24 14:14:44 UTC
From: Tony Barrett
Topic: 2832 Message: 2832

Anyone have any tips or URLs for software that would permit some form of APRS display on a device running the Windows CE operating system?

Thanks,

Tony

2833. Re: Tanks

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-24 15:56:20 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2833 Message: 2833

I thought we budgeted for two flights (two balloons and three or four tanks). Each flight costs about $150.

If there's a problem here, then the group can split the cost.

Paul

> I don't have the minutes to look at but I thought we budgeted for two tanks
> and two balloons. We have done that. If there was more than that please
> let me know..
>
> Doug W7DVR
> w7dvr@...
> doug@...
>

2834. Re: [tvnsp] APRS on a Windows CE

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-24 15:03:42 UTC
From: Stephanie Steele
Topic: 2832 Message: 2834

Here is what I have been able to find. This site has a download that should take care of your friends needs.

http://www.qsl.net/kc5jgv/more_about%20software.htm

Stephanie

Tony Barrett wrote:

Anyone have any tips or URLs for software that would permit some form of
APRS display on a device running the Windows CE operating system?

Thanks,

Tony

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--
Stephanie

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

Are you tired of sending out email that shows the wear and tear of being forwarded 50 times. Are you tired of getting this same type of mail that is hard or impossible to read. Try out Message Cleaner. I use it and I recommend it. Here is a link to get your own copy.

Here's a link to a very handy email clean-up utility, check it out:

http://www.RoundhillSoftware.com/MessageCleaner?H6Ldj2XpI

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2835. Re: [tvnsp] APRS on a Windows CE

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-24 15:06:55 UTC
From: Stephanie Steele
Topic: 2832 Message: 2835

Sorry Tony. That link I sent is broken. I'll try to locate the current location for it.

Stephanie

Tony Barrett wrote:

Anyone have any tips or URLs for software that would permit some form of
APRS display on a device running the Windows CE operating system?

Thanks,

Tony

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--
Stephanie

****

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2836. Re: [tvnsp] APRS on a Windows CE

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-24 15:12:07 UTC
From: Stephanie Steele
Topic: 2832 Message: 2836

Ok, this link should work. Sources are limited & development is behind other platforms but this should do it.

ftp://ftp.tapr.org/aprssig/wince/build1060

Stephanie

Tony Barrett wrote:

Anyone have any tips or URLs for software that would permit some form of
APRS display on a device running the Windows CE operating system?

Thanks,

Tony

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--
Stephanie

****

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****

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Here's a link to a very handy email clean-up utility, check it out:

http://www.RoundhillSoftware.com/MessageCleaner?H6Ldj2XpI

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2837. Re: [tvnsp] APRS on a Windows CE

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-24 15:13:50 UTC
From: Tony Barrett
Topic: 2832 Message: 2837

Thanks Steph!

At 09:12 AM 5/24/02 -0600, you wrote:
>Ok, this link should work. Sources are limited & development is behind
>other platforms but this should do it.
>
><ftp://ftp.tapr.org/aprssig/wince/build1060>ftp://ftp.tapr.org/aprssig/wince/build1060
>
>Stephanie
>
>
>
>Tony Barrett wrote:
>>Anyone have any tips or URLs for software that would permit some form of
>>APRS display on a device running the Windows CE operating system?
>>
>>Thanks,
>>
>>Tony
>>
>>
>>To unsubscribe from this group, send an email to:
>><mailto:tvnsp-unsubscribe@egroups.com>tvnsp-unsubscribe@egroups.com
>>
>>
>>
>>Your use of Yahoo! Groups is subject to the
>><http://docs.yahoo.com/info/terms/>Yahoo! Terms of Service .
>
>
>--
>Stephanie
>
>*******************************
>
>"They that can give up essential liberty to obtain a little temporary
>safety deserve neither liberty nor safety."
>
>Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.
>
>"Those who desire to give up freedom in order to gain security will not
>have, nor do they deserve, either one."
>
>President Thomas Jefferson.
> 1743-1826

>
>*******************************
>
>Are you tired of sending out email that shows the wear and tear of being
>forwarded 50 times. Are you tired of getting this same type of mail that
>is hard or impossible to read. Try out Message Cleaner. I use it and I
>recommend it. Here is a link to get your own copy.
>
>Here's a link to a very handy email clean-up utility, check it out:
>
><http://www.RoundhillSoftware.com/MessageCleaner?H6Ldj2XpI>http://www.RoundhillSoftware.c
om/MessageCleaner?H6Ldj2XpI
>
>*************
>******************
>
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>To unsubscribe from this group, send an email to:
>tvnsp-unsubscribe@egroups.com
>
>
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>Your use of Yahoo! Groups is subject to the
><http://docs.yahoo.com/info/terms/>Yahoo! Terms of Service.

2838. Re: Balloon Track 1.77 Bug?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-24 15:40:50 UTC
From: kd7pit
Topic: 2831 Message: 2838

Hey Mike, I noticed the same thing too. Here's what I did. At the top, click SETUP and then look to the mid-right for something called "FLIGHT TIME AS" and then switch the bullet from "TIME OF DAY" to "MINUTES AFTER LIFTOFF" and then click "SAVE TO DEFAULF CONFIG FILE" That seems to work. Hope this helps.

Justin, KD7PIT

2839. Re: [tvnsp] Pre-launch meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-24 16:12:48 UTC
From: randy farley
Topic: 2825 Message: 2839

Jeff

It is fine for me. I'm a bachelor this week, so I make all
the important domestic decisions now :)

On Thu, 23 May 2002 19:52:53 -0600
Jeff Melanson <kd7inn@...> wrote:
> TVNSP,
>
> We talked about having the pre-launch meeting at Jade
> Garden
> in Nampa at 6:00 pm. Has anyone called for reservations?
> Is
> the meeting time good for all to attend?
>
> Jeff
>
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> tvnsp-unsubscribe@egroups.com
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>
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>
>

regards,

Randy

2840. Landing prediction using forecast winds for Saturday (+36 hours)

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-24 16:20:06 UTC
From: n1ltv
Topic: 2840 Message: 2840

Again, this is a prediction based on winds expected
Saturday by a NWS computer atmospheric model.

From Thursday (MRF Thursday afternoon):

range: 42 miles
bearing: 93 degrees

For Friday (MRF +36 hours):

range: 45 miles
bearing: 82 degrees

From yesterday to today there's fairly good agreement
for bearing, and very good agreement on range.

There appears to be a mistake in Balltrack because for
a given burst altitude and the same ascent and descent
times, the flight duration should be unchanged, but it
isn't.

It's between 130 and 140 minutes at any rate.

Inputs to prediction that are always used:

1000 ft/min ascent
1200 ft/min descent
90000 foot burst
MRF wind model
Balltrack 1.7.1

Hank

2841. Using Balltrak with predicted winds

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-24 16:26:24 UTC
From: n1ltv
Topic: 2841 Message: 2841

Thanks to Mark Conner I now know it isn't necessary
to use all the hand calculator conversions I was doing
a few days ago to get these TVNSP predictions.

I've never had to do these before since our SkyQuest
payloads are throwaways and where they end up in the
ocean is just a curiosity.

Hank

2842. Predictions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-24 16:28:05 UTC
From: John Knapp
Topic: 2825 Message: 2842

I came up with the folowing:

Flight time: 114 minutes
Bearing: 125 Degrees
Range: 39 Miles

The MRF is still showing west winds. It would be very
wise to do a prediction tonight after the meeting to
update the data. I decision on exact launch point may
not be able to be made until tomorrow morning.

My penny's worth.

I wish everyone a good chase, wish I could join in but
will be out of town. Please send out an email after
the meeting tonight on where you will be launching
from. I will be out of radio range but will track via
the 'findu' program.

JohnK

_____
Do You Yahoo!?
LAUNCH - Your Yahoo! Music Experience
http://launch.yahoo.com

2843. Re: [tvnsp] Landing prediction using forecast winds for Saturday (+36 hours)

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-24 16:40:58 UTC
From: Mark Conner
Topic: 2840 Message: 2843

Recommend using the Eta model when you're within 48 hours of launch. The Eta has much finer grid spacing in the horizontal and vertical than the MRF and should yield more accurate results.

The MRF is only run once per day at 00Z. The Eta is updated 4x/day.

You may have to "cut and paste" wind data from a BOI sounding to get winds above 60,000 ft. What I usually do is get the latest real sounding at the same time I get the forecast data, delete the forecast wind data above 60kft, then cut and paste wind data from the real sounding to the forecast for anything above 60 kft.

- Mark
----- Original Message -----
From: n1ltv
To: tvnsp@yahoogroups.com
Sent: Friday, May 24, 2002 11:20
Subject: [tvnsp] Landing prediction using forecast winds for Saturday (+36 hours)

Again, this is a prediction based on winds expected
Saturday by a NWS computer atmospheric model.

From Thursday (MRF Thursday afternoon):

range: 42 miles
bearing: 93 degrees

For Friday (MRF +36 hours):

range: 45 miles
bearing: 82 degrees

From yesterday to today there's fairly good agreement
for bearing, and very good agreement on range.

There appears to be a mistake in Balltrack because for
a given burst altitude and the same ascent and descent
times, the flight duration should be unchanged, but it
isn't.

It's between 130 and 140 minutes at any rate.

Inputs to prediction that are always used:

1000 ft/min ascent
1200 ft/min descent
90000 foot burst
MRF wind model

Balltrack 1.7.1

Hank

2844. Re: [tvnsp] Launch Co-ordinates

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-24 16:43:56 UTC
From: randy farley
Topic: 2804 Message: 2844

Group

Here is a tip and time saver if you are afraid of loosing
your launch site coordinates. In the "Balloon Track" main
folder there is a "configuration settings" file called
"launchsites". Probably obvious to most advanced users.
This file can be cut,pasted or zipped up for safe keeping.
I always hate re-entering data that is lost by upgrading
or some other gremlinish act. And they say computers are so

smart or was it the operator. ;)

On Thu, 23 May 2002 20:19:08 -0600
Jeff Melanson <kd7inn@...> wrote:
> Place Lat Lon Alt
>
> Adrian 43.73 -117.06 2200
> Homedale 43.6147 -116.9227 2210
> Jordan Valley 42.97408 -117.0542 2800
> Kuna 43.4845 -116.46033 2800
> Murphy 43.2158 -116.55 2825
> Rome Airport 42.58417 -117.87967 ?
> Succor Creek 43.23008 -117.06147 4800
> Twin Falls 42.58333 -114.47417 2100
>
> Stephanie Steele wrote:
> >
> > I could also use our known lauch site coordinates.
> Thanks
> >
> > Stephanie Steele wrote:
> >
> > > I am attempting to use balloon track for the first
> time.
> > > Will someone please give me all the parameter values
> > > that need to be set to get accurate predictions. I
> would
> > > like to calculate along with everyone else so I can
> > > learn this part of the process. Thanks!
> > >
> > > Stephanie
> > >
> > >
> > > verhap@... wrote:
> > >
> > >> for those interested, I'm attaching the flight code

> > >> for the next
> > >> launch. Experiments include a RH and temperature
> > >> sensor and
> > >> photometer that measures sky brightness. There will
> > >> also be a
> > >> camera directed to the -Z axis (straight down).
> There
> > >> should be
> > >> enough film to take pictures of the landing site.
> > >>
> > >> Once the capsule is powered up, there will be 10
> > >> minutes before it
> > >> goes into flight mode.
> > >>
> > >> There's room for additions to the code. For
> instance,
> > >> I plan to use
> > >> a launch commit switch in the future that signals
> the
> > >> flight
> > >> computer to go into flight mode (rather than idle in
> a
> > >> preflight
> > >> mode). I'll also add a minimum altitude the capsule
> > >> must reach
> > >> before it can go into descent mode. This prevents
> the
> > >> capsule from
> > >> thinking its descending when it hasn't been launched
> > >> within 10
> > >> minutes of start up.
> > >>
> > >> The BS2p that I'm using has 16 kb of memory (in
> eight
> > >> slots). So
> > >> far the code is only using 3/4 of the available
> memory
> > >> of one slot.
> > >>
> > >> To look at the code, open the file with notepad.
> > >>
> > >> Paul
> > >>
> > >>
> > >>
> > >> To unsubscribe from this group, send an email to:
> > >> tvnsp-unsubscribe@egroups.com
> > >>
> > >>
> > >>

```
> > >> Your use of Yahoo! Groups is subject to the Yahoo!
> > >> Terms of Service .
> > >>
> > >>
> ------------------------------------------------
> > >> '****************************
> > >> '* TVNSP Mission *
> > >> '* Flight TV02B *
> > >> '* 12 May 2002 *
> > >> '****************************
> > >> '****************************
> > >> '* Comm Definitions *
> > >> '****************************
> > >> n1200 con 2063 '1200 baud n81 true
> > >> n2400 con 1021 '2400 baud n81 true
> > >> i4800 con 16884 '4800 baud n81 inverted
> > >> '****************************
> > >> '* GPS Variables *
> > >> '****************************
> > >> Status_Flag var nib
> > >> alt_curr var word 'current gps alt (m)
> > >> alt_max var word 'highest alt so far
> > >> gpschar var byte
> > >> gpsloop var byte
> > >> velosign var byte 'sign of vert velo (-
> or
> > >> digit)
> > >> AltTooLow con 600 'range of starting
> > >> altitudes
> > >> AltTooHigh con 1200 'range of starting
> > >> altitudes
> > >> '****************************
> > >> '* BS2p I/O De
> > >> fi
> > >> nitions *
> > >> '****************************
> > >> clock con 0
> > >> adc_ce con 1
> > >> data_io con 2
> > >> tnc_tx con 3
> > >> tnc_rx con 4
> > >> gps_tx con 5
> > >> servo con 6
> > >> gps_rx con 7
> > >> mode con 13
> > >> rw con 14
> > >> fm con 15
> > >> tm con 15
> > >> '****************************
> > >> '* Housekeeping Variables *
```

```
> > >> '****************************
> > >> exploop var nib
> > >> adc_code var byte
> > >> exp_value var word
> > >> workspace var word
> > >> DataRep var word
> > >> digitnib var nib
> > >> digitbyte var byte
> > >> Status var nib
> > >> MainV var Status.bit0 '0=good voltage,
> 1=bad
> > >> voltage
> > >> GPSStat var Status.bit1 '0=good gps, 1 = bad
> > >> gps
> > >> DeltaAlt var Status.bit2 '0=+change in alt,
> > >> 1=-change in alt
> > >> RMVVelo var Status.bit3 '0=upward velo,
> > >> 1=downward velo
> > >> MissionPhase var bit '0=ascent, 1=descent
> > >> SPRAMAddr var byte
> > >> n var nib 'number
> > >> of di
> > >> gits to bytize
> > >> '****************************
> > >> '* Mission Specific Data *
> > >> '****************************
> > >> Pix var byte 'number of photos
> taken
> > >> '****************************
> > >> '* Flight Code *
> > >> '****************************
> > >> BeginMission:
> > >> gosub PreFlight
> > >> gosub PreLaunch
> > >> StartMission:
> > >> DataRep = 0
> > >> gosub StartExperiments
> > >> AscentPhase:
> > >> DataRep = DataRep + 1
> > >> gosub CapsuleStatus
> > >> pause 30000
> > >> gosub AscentExperiments
> > >> pause 30000
> > >> gosub MissionStatus
> > >> if MissionPhase = 0 then AscentPhase
> > >> gosub CloseExperiments
> > >> DescentPhase:
> > >> DataRep = DataRep + 1
> > >> gosub CapsuleStatus
> > >> pause 10000
```

```
> > >> gosub DescentExperiments
> > >> pause 10000
> > >> gosub MissionStatus
> > >> if MissionPhase = 1 then DescentPhase
> > >> gosub ReopenExperiments
> > >> goto AscentPhase
> > >> '****************************
> > >> '* Preflight Configuration *
> > >> '****************************
> > >> PreFlight:
> > >> input 15
> > >> output 14
> > >>
> > >> MissionPha
> > >> se = 0
> > >> Pix = 0
> > >> DataRep = 11
> > >> '****************************
> > >> '* Set Up RAMPack *
> > >> '****************************
> > >> RAMPack:
> > >> high fm
> > >> high rw
> > >> high mode 'not in fifo mode
> > >> pause 3000
> > >> serout fm,n1200,[$55,$04] 'set baud rate for fifo
> > >> pause 1000
> > >> serout fm,n1200,[$55,$03] 'use expanded ram
> > >> pause 100
> > >> low rw 'put into fifo write
> mode
> > >> low mode 'put into fifo mode
> > >> return
> > >> '****************************
> > >> '* PreLaunch Routines *
> > >> '****************************
> > >> PreLaunch:
> > >> DataRep = DataRep - 1
> > >> serout tnc_tx,I4800,["lt 4 >T-", dec DataRep, cr]
> > >> serin gps_rx,I4800,10000,NoGPS,[wait ("$GPGGA"),skip
> > >> 45, dec alt_curr]
> > >> if alt_curr < AltTooLow then CheckDataRep 'too low
> to
> > >> be good
> > >> if alt_curr > AltTooHigh then CheckDataRep 'too high
> > >> to be good
> > >> alt_max = alt_curr
> > >> CheckDataRep:
> > >> if DataRep = 0 then EndPreLaunch
> > >> 'if ??? th
```

```
> > >> en EndPreLaunch
> > >> pause 60000
> > >> goto PreLaunch
> > >> EndPreLaunch:
> > >> alt_max = alt_curr
> > >> return
> > >> '****************************
> > >> '*Current Capsule Condition *
> > >> '****************************
> > >> CapsuleStatus:
> > >> GetMainV:
> > >> MainV = 0 'good until proven bad
> > >> adc_code = $9C
> > >> low adc_ce 'activate ihu adc
> > >> pause 10
> > >> shiftout data_io,clock,1,[adc_code] 'shift
> > >> out instructions
> > >> shiftin data_io,clock,2,[Exp_Value\12] 'shift
> in
> > >> the data
> > >> high adc_ce
> > >> pause 10
> > >> if Exp_Value > 2750 then GetVertVelo
> > >> MainV = 1 'low main voltage
> > >> GetVertVelo:
> > >> RMVVelo = 0 'ascending until proven
> > >> descending
> > >> serin gps_rx,i4800,10000,MissingGPS,[wait
> > >> ("RMV,"),wait (","),wait (","),velosign]
> > >> if velosign = "-" then GoingDown
> > >> goto GetDeltaAlt
> > >> GoingDown:
> > >> RMVVelo = 1 'negative vert velo
> > >> GetDeltaAlt:
> > >> DeltaAlt = 0
> > >> 'ascending un
> > >> til proven descending
> > >> serin gps_rx,I4800,10000,MissingGPS,[wait
> > >> ("$GPGGA"),skip 42, dec alt_curr]
> > >> if alt_curr > alt_max then UpdateAlt
> > >> if (alt_curr + 250) > alt_max then UpdateAlt
> > >> DeltaAlt = 1 'lower altitude
> > >> goto EndCapsuleStatus
> > >> UpdateAlt:
> > >> alt_max = alt_curr
> > >> goto EndCapsuleStatus
> > >> MissingGPS:
> > >> GPSStat = 1
> > >> EndCapsuleStatus:
> > >> return
```

```
> > >> '****************************
> > >> '* Current Mission Status *
> > >> '****************************
> > >> MissionStatus:
> > >> MissionPhase = 0 'assume still ascending
> > >> serout tnc_tx,I4800,["lt 4 >TV02B R-",dec DataRep,"
> > >> Status: ", bin4 Status]
> > >> if MainV = 1 then LowMainV
> > >> if GPSStat = 1 then BadGPS
> > >> if DeltaAlt = 1 then Descending
> > >> if RMVVelo = 1 then Descending
> > >> goto EndMissionStatus
> > >> LowMainV:
> > >> serout tnc_tx,I4800,[" Inflight Emergency, Low Main
> > >> V"]
> > >> 'gosub FlightTerm
> > >> goto EndMissionStatus
> > >> BadGPS:
> > >> serout tnc_tx,I4
> > >> 800,[" Inflight Emerge
> > >> ncy, No GPS"]
> > >> 'gosub FlightTerm
> > >> goto EndMissionStatus
> > >> Descending:
> > >> serout tnc_tx,I4800,[" Descending"]
> > >> MissionPhase = 1
> > >> EndMissionStatus:
> > >> if DeltaAlt = 1 then DoLF
> > >> if RMVVelo = 1 then DoLF
> > >> serout tnc_tx,I4800,[" Ascending"]
> > >> DoLF:
> > >> serout tnc_tx,I4800,[10]
> > >> return
> > >> '****************************
> > >> '* Experiments *
> > >> '****************************
> > >> Experiments:
> > >> StartExperiments:
> > >> return
> > >> CloseExperiments:
> > >> return
> > >> ReopenExperiments:
> > >> return
> > >> AscentExperiments:
> > >> gosub SaveDataRep
> > >> gosub GPS
> > >> gosub ADC
> > >> gosub AscCamera
> > >> gosub RH
> > >> gosub Photometer
```

```
> > >> SPRAMAddr = SPRAMAddr - 1 'get to end of data
> > >> put SPRAMAddr,"*" 'write closing * (eof)
> > >> gosub TellRamP
> > >> gosub TellTNC
> > >> return
> > >> DescentExperiments:
> > >> gosub SaveDataRep
> > >> gosub GPS
> > >> gosub ADC
> > >> gosub DscCamera
> > >> SPRAMAddr = SPRAMAddr - 1 'get to end of data
> > >> put SPRA
> > >> MAddr,"*" 'writ
> > >> e closing * (eof)
> > >> gosub TellRamP
> > >> gosub TellTNC
> > >> return
> > >> '****************************
> > >> '* Put DataRep Into SPRAM *
> > >> '****************************
> > >> SaveDataRep:
> > >> Workspace = DataRep
> > >> Digitbyte = WorkSpace/100
> > >> Digitbyte = Digitbyte + $30
> > >> put 125,Digitbyte
> > >> Digitbyte = Digitbyte - $30
> > >> WorkSpace = WorkSpace - (Digitbyte*100)
> > >> DigitByte = WorkSpace/10
> > >> Digitbyte = Digitbyte + $30
> > >> put 124,Digitbyte
> > >> Digitbyte = Digitbyte - $30
> > >> DigitByte = WorkSpace - (DigitByte * 10)
> > >> Digitbyte = Digitbyte + $30
> > >> put 123,DigitByte
> > >> put 122,","
> > >> return
> > >> '****************************
> > >> '* Get GPS Sentences *
> > >> '****************************
> > >> GPS:
> > >> GPSStat = 0 'assume a good gps
> > >> '****************************
> > >> '* Get GPGGA Sentence *
> > >> '****************************
> > >> GPGGA:
> > >> serin gps_rx,I4800,10000,NoGPS,[wait ("GGA"),spstr
> 65]
> > >> UTCgga:
> > >> for gpsloop = 1 to 6<
> > >> br>get gpsloop,gpschar
```

```
> > >> SPRA
> > >> MAddr = 122 - gpsloop
> > >> put SPRAMAddr,gpschar
> > >> next
> > >> put 115,"," 'SPRAMAddr = 115
> > >> ALTITUDE:
> > >> for gpsloop = 40 to 46
> > >> get gpsloop,gpschar
> > >> SPRAMAddr = 154 - gpsloop
> > >> put SPRAMAddr,gpschar
> > >> next
> > >> put 107,"," 'SPRAMAddr = 107
> > >> '****************************
> > >> '* Get PGRMV Sentence *
> > >> '****************************
> > >> PGRMV:
> > >> for gpsloop = 1 to 20
> > >> put gpsloop,"X"
> > >> next
> > >> serin gps_rx,I4800,10000,NoGPS,[wait ("RMV"),spstr
> 20]
> > >> RMV:
> > >> for gpsloop = 1 to 20
> > >> get gpsloop,gpschar
> > >> if gpschar = "*" then EndRMV
> > >> SPRAMAddr = 107 - gpsloop
> > >> put SPRAMAddr,gpschar
> > >> next
> > >> EndRMV:
> > >> put 86,"," 'SPRAMAddr = 86
> > >> SPRAMAddr = 86
> > >> goto EndGPS
> > >> NoGPS:
> > >> GPSStat = 1
> > >> 'gosub FlightTerm
> > >> EndGPS:
> > >> return
> > >> '****************************
> > >> '* Get ADC Voltages *
> > >> '****************************
> > >> ADC:
> > >> for exploop = 0 to
> > >> 3 '4 chan
> > >> nels on tv02b
> > >> lookup
> > >> exploop,[$8C,$CC,$9C,$DC,$AC,$EC,$BC,$FC],adc_code
> > >> low adc_ce
> 'activate
> > >> ihu adc
> > >> pause 10
```

```
> > >> shiftout data_io,clock,1,[adc_code] 'shift
> > >> out instructions
> > >> shiftin data_io,clock,2,[Exp_Value\12] 'shift
> in
> > >> the data
> > >> high adc_ce
> > >> pause 10
> > >> n = 4
> > >> WorkSpace = Exp_Value
> > >> gosub SaveData
> > >> next
> > >> return
> > >> '****************************
> > >> '*This Mission's Experiments*
> > >> '****************************
> > >> AscCamera:
> > >> if pix * 1000 > alt_curr then TakeAscPix
> > >> goto NoAscPix
> > >> TakeAscPix:
> > >> high 10
> > >> pause 2000
> > >> low 10
> > >> pix = pix + 1
> > >> workspace = 1 + (pix * 10)
> > >> goto EndAscCamera
> > >> NoAscPix:
> > >> workspace = pix * 10
> > >> EndAscCamera:
> > >> n = 3
> > >> gosub SaveData
> > >> return
> > >> DscCamera:
> > >> if Pix > 25 then NoDscPix
> > >> if alt_curr > 2500 then NoDscPix
> > >> TakeDscPix:
> > >> high 10
> > >> pause 2000
> > >> low 10
> > >> pix = pix + 1
> > >> workspace =
> > >> 1 + (pix * 10)
> > >> goto EndDscCamera
> > >> NoDscPix:
> > >> workspace = pix * 10
> > >> EndDscCamera:
> > >> n = 3
> > >> gosub SaveData
> > >> return
> > >> RH:
> > >> high 8
```

```
> > >> pause 1
> > >> rctime 8,1,Exp_Value
> > >> low 8
> > >> n = 5
> > >> WorkSpace = Exp_Value
> > >> gosub SaveData
> > >> return
> > >> Photometer:
> > >> high 9
> > >> pause 1
> > >> rctime 9,1,Exp_Value
> > >> low 9
> > >> n = 5
> > >> WorkSpace = Exp_Value
> > >> gosub SaveData
> > >> return
> > >> '*****************************
> > >> '* Send Data To RAM Pack *
> > >> '*****************************
> > >> TellRAMP:
> > >> SPRAMAddr = 125
> > >> LoopRAMP:
> > >> get SPRAMAddr,digitbyte
> > >> serout fm,n1200,[digitbyte]
> > >> SPRAMAddr = SPRAMAddr - 1
> > >> if SPRAMAddr < 20 then EndTellRAMP
> > >> if digitbyte = "*" then EndTellRAMP
> > >> goto LoopRAMP
> > >> EndTellRAMP:
> > >> return
> > >> '*****************************
> > >> '* Send Data to TNC *
> > >> '*****************************
> > >> TellTNC:
> > >> SPRAMAddr = 125
> > >> 'serout tnc_tx,I4800,["lt 4 >"]
> > >> LoopTNC:
> > >> get SPRAMAddr,digitbyte
> > >> serout tnc_tx,I4800,[digitbyt
> > >> e]
> > >> SPRAMAddr = SPRAMAddr - 1
> > >> if
> > >> SPRAMAddr < 20 then EndTellTNC
> > >> if digitbyte = "*" then EndTellTNC
> > >> goto LoopTNC
> > >> EndTellTNC:
> > >> serout tnc_tx,I4800,[cr]
> > >> return
> > >> '*****************************
> > >> '* Convert Data Into Bytes *
```

```
> > >> '****************************
> > >> SaveData:
> > >> if n < 5 then N4
> > >> N5:
> > >> digitbyte = workspace/10000
> > >> workspace = workspace - (digitbyte*10000)
> > >> digitbyte = digitbyte + $30
> > >> SPRAMAddr = SPRAMAddr - 1
> > >> put SPRAMAddr,digitbyte
> > >> n = 4
> > >> N4:
> > >> if n < 4 then N3
> > >> digitbyte = workspace/1000
> > >> workspace = workspace - (digitbyte*1000)
> > >> digitbyte = digitbyte + $30
> > >> SPRAMAddr = SPRAMAddr - 1
> > >> put SPRAMAddr,digitbyte
> > >> n = 3
> > >> N3:
> > >> if n < 3 then N2
> > >> digitbyte = workspace/100
> > >> workspace = workspace - (digitbyte*100)
> > >> digitbyte = digitbyte + $30
> > >> SPRAMAddr = SPRAMAddr - 1
> > >> put SPRAMAddr,digitbyte
> > >> n = 2
> > >> N2:
> > >> if n = 1 then N1
> > >> digitbyte = workspace/10
> > >> workspace = works
> > >> pace - (digitbyte*10)
> > >> digitbyte = digit
> > >> byte + $30
> > >> SPRAMAddr = SPRAMAddr - 1
> > >> put SPRAMAddr,digitbyte
> > >> N1:
> > >> digitbyte = workspace + $30
> > >> SPRAMAddr = SPRAMAddr - 1
> > >> put SPRAMAddr,digitbyte
> > >> SPRAMAddr = SPRAMAddr - 1
> > >> put SPRAMAddr,","
> > >> return
> > >> end
> > >>
> > >
> > > --
> > > Stephanie
> > > ******************************
> > > "They that can give up essential liberty to obtain a
> little temporary
```

> > > safety deserve neither liberty nor safety."
> > > Benjamin Franklin (1706-1790), Letter to Josiah
> Quincy, Sept. 11, 1773.
> > > "Those who desire to give up freedom in order to gain
> security will not
> > > have, nor do they deserve, either one."
> > > President Thomas Jefferson.
> > > 1743-1826
> > > ******************************
> > > Are you tired of sending out email that shows the
> wear and tear of being forwarded 50 times. Are you tired
> of getting this same type of mail that is hard or
> impossible to read. Try out Message Cleaner. I use it and
> I recommend it. Here is a link to get your own copy.
> > > Here's a link to a very handy email clean-up utility,
> check it out:
> > > http://w
> > > ww.RoundhillSoftware.com/MessageCleaner?H6Ldj2XpI
> > > *************
> > > ******************
> > > The information contained in this e-mail message is
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> > >
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> > >
> > >
> > >
> > > Your use of Yahoo! Groups is subject to the Yahoo!
> Terms
> > > of Service .
> > >
> >
> > --
> > Stephanie
> >
> > ******************************
> >

> > "They that can give up essential liberty to obtain a
> little temporary
> > safety deserve neither liberty nor safety."
> >
> > Benjamin Franklin (1706-1790), Letter to Josiah Quincy,
> Sept. 11, 1773.
> >
> > "Those who desire to give up freedom in order to gain
> security will not
> > have, nor do they deserve, either one."
> >
> > President Thomas Jefferson.
> > 1743-1826
> >
> > ******************************
> >
> > Are you tired of sending out email that shows the wear
> and tear of being forwarded 50 times. Are you tired of
> getting this same type of mail that is hard or impossible
> to read. Try out Message Cleaner. I use it and I
> recommend it. Here is a link to get your own copy.
> >
> > Here's a link to a very handy email clean-up utility,
> check it out:
> >
> >
> http://www.RoundhillSoftware.com/MessageCleaner?H6Ldj2XpI
> >
> > **********
> > ********************
> >
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> >
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> >
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> > of Service.
>
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>
>
>
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>
>

regards,

Randy

2845. Re: [tvnsp] Flight CD-ROM

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-24 17:12:37 UTC
From: bherrman@spro.net
Topic: 2830 Message: 2845

> I was also going to put APRS, and Balloon Track on the CD.
> There is still plenty of room available if anyone has any ideas.

A few ideas...
Which APRS? You might include a couple choices of client software along with local maps for programs that need them.

LiftWin and any other useful utilities would be good. (You already mentioned Balloon Track.)

Personally, I'd like to see at least one set of data files along with their associated prediction so that a novice at prediction (me) could run through the mechanics of doing a prediction and check the answer.

It would also be good to include a set of links for useful web sites.

Bill

2846. Status, 24 May

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-24 19:39:37 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2846 Message: 2846

Looking at the MRF, I see that currently the winds are in the greatest flux (in direction, not speed). By this afternoon it looks like the winds will settle from a direction around 270, with very little variation over the weekend. I really dislike it when the winds are dramatically changing directions from day to day. this may be very much like our flight last year that landed near Middleton.

So we'll pretty much launch straight west from where we want the capsule to land. I vote that we let it land on top of my apartment.

At tonight's meeting, we'll check out the launch equipment and capsules. Bring maps.

Who will be attending the launch? Who will be running trackers? I haven't heard from John the Younger for a while. John, will you daughter or wife let you attend?

Paul

2847. Re: [tvnsp] Status, 24 May

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-24 19:30:39 UTC
From: Mark Conner
Topic: 2846 Message: 2847

I did a quick prediction using the 12Z and 18Z winds from the Eta model. Both showed a distance of 40 miles, but the 12Z landing was on a bearing of 095 and the 18Z landing was on a bearing of 080.

Good luck tomorrow.

73 de Mark N9XTN
----- Original Message -----
From: verhap@...01.k12.id.us
To: tvnsp@yahoogroups.com
Sent: Friday, May 24, 2002 14:39
Subject: [tvnsp] Status, 24 May

Looking at the MRF, I see that currently the winds are in the greatest flux (in direction, not speed). By this afternoon it looks like the winds will settle from a direction around 270, with very little variation over the weekend. I really dislike it when the winds are dramatically changing directions from day to day. this may be very much like our flight last year that landed near Middleton.

So we'll pretty much launch straight west from where we want the capsule to land. I vote that we let it land on top of my apartment.

At tonight's meeting, we'll check out the launch equipment and capsules. Bring maps.

Who will be attending the launch? Who will be running trackers? I haven't heard from John the Younger for a while. John, will you daughter or wife let you attend?

Paul

2848. Re: [tvnsp] Status, 24 May

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-24 19:29:33 UTC
From: randy farley
Topic: 2846 Message: 2848

I plan on attending launch with tracker and DF antenna
ready to go chase.
I havent seen too many commitments other than Paul,
Mike,Jeff and Me on this site. We going to have enough
bods ?

On Fri, 24 May 2002 12:39:37 -700
<verhap@...> wrote:
> Looking at the MRF, I see that currently the winds are in
> the
> greatest flux (in direction, not speed). By this
> afternoon it looks
> like the winds will settle from a direction around 270,
> with very little
> variation over the weekend. I really dislike it when the
> winds are
> dramatically changing directions from day to day. this
> may be very
> much like our flight last year that landed near
> Middleton.
>
> So we'll pretty much launch straight west from where we
> want the
> capsule to land. I vote that we let it land on top of my
> apartment.
>
> At tonight's meeting, we'll check out the launch
> equipment and
> capsules. Bring maps.
>
> Who will be attending the launch? Who will be running
> trackers? I
> haven't heard from John the Younger for a while. John,
> will you
> daughter or wife let you attend?
>
> Paul
>
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>
>

regards,

Randy

2849. Re: [tvnsp] Re: Tanks

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-24 19:52:49 UTC
From: Doug Rich
Topic: 2833 Message: 2849

The money for two tank has been sent to the TVNSP account.

Doug W7DVR

At 08:56 AM 5/24/02 -0700, you wrote:
>I thought we budgeted for two flights (two balloons and three or four
>tanks). Each flight costs about $150.
>
>If there's a problem here, then the group can split the cost.
>
>Paul
>
> > I don't have the minutes to look at but I thought we budgeted for two
> tanks
> > and two balloons. We have done that. If there was more than that please
> > let me know..
> >
> > Doug W7DVR
> > w7dvr@...
> > doug@...
> >
>
>
>
>
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>
>
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2850. Re: [tvnsp] Re: Balloon Track 1.77 Bug?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-24 20:59:10 UTC
From: Mike Garske
Topic: 2831 Message: 2850

Thanks Justin, that seems to have been the culprit! I can now upgrade
Balloon Track with no fear on my laptop!

Mike KC7DPD
----- Original Message -----
From: "kd7pit" <J_Formolo@...>
To: <tvnsp@yahoogroups.com>
Sent: Friday, May 24, 2002 9:40 AM
Subject: [tvnsp] Re: Balloon Track 1.77 Bug?

> Hey Mike, I noticed the same thing too. Here's what I did. At the
> top, click SETUP and then look to the mid-right for something
> called "FLIGHT TIME AS" and then switch the bullet from "TIME OF DAY"
> to "MINUTES AFTER LIFTOFF" and then click "SAVE TO DEFAULF CONFIG
> FILE" That seems to work. Hope this helps.
>
> Justin, KD7PIT
>
>
>
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>
>
>
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>
>
>
>

2851. Re: Status, 24 May

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-24 21:14:52 UTC
From: kd7pit
Topic: 2846 Message: 2851

Hey there, sorry for the late check-in. You have two more people (myself and Ben from last launch) and one more chase vehicle with radio for tomorrow. We plan on going shopping for goodies at Wal-mart in the morning.

Justin, KD7PIT

2852. Re: [tvnsp] Re: Tanks

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-24 23:28:59 UTC
From: Mike Garske
Topic: 2833 Message: 2852

Thanks Doug!

I have picked up the two tanks for tomorrow's launch....

Mike KC7DPD
----- Original Message -----
From: Doug Rich
To: tvnsp@yahoogroups.com
Sent: Friday, May 24, 2002 1:52 PM
Subject: Re: [tvnsp] Re: Tanks

The money for two tank has been sent to the TVNSP account.

Doug W7DVR

At 08:56 AM 5/24/02 -0700, you wrote:

I thought we budgeted for two flights (two balloons and three or four
tanks). Each flight costs about $150.

If there's a problem here, then the group can split the cost.

Paul

> I don't have the minutes to look at but I thought we budgeted for two tanks
> and two balloons. We have done that. If there was more than that please
> let me know..
>
> Doug W7DVR
> w7dvr@...
> doug@...
>

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2853. Frequencies?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-25 02:37:30 UTC
From: Tony Barrett
Topic: 2853 Message: 2853

Hello everyone,

I was planning on watching tomorrow's flight from home. I thought I might listen in. What frequencies will you be using for voice?

I hope you have a great launch and a great flight.

Tony - N7MTZ

2854. Re: [tvnsp] Frequencies?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-25 03:27:27 UTC
From: Mike Garske
Topic: 2853 Message: 2854

Tony,

John K7JPS will be posting all the flight details tonight....

Mike KC7DPD

----- Original Message -----
From: "Tony Barrett" <tonybarrett@...>
To: <TVNSP@yahoogroups.com>
Sent: Friday, May 24, 2002 8:37 PM
Subject: [tvnsp] Frequencies?

> Hello everyone,
>
> I was planning on watching tomorrow's flight from home. I thought I might
> listen in. What frequencies will you be using for voice?
>
> I hope you have a great launch and a great flight.
>
> Tony - N7MTZ
>
>
>
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>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
>
>

2855. Predictions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-25 03:34:47 UTC
From: Mike Garske
Topic: 2238 Message: 2855

As of 0000z 25 May 2002, the current prediction, using 90k Burst Altitude, 1000ft Ascent, 1200 descent......

Duration: 124.5 Minutes
Bearing: 92.9 degrees
Range: 39.8 miles

Almost a due Easterly flight......

Anyone get anything different?

Mike KC7DPD

2856. TV02B Flight Announcement

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-25 04:21:31 UTC
From: K7JPS - John
Topic: 2856 Message: 2856

Treasure Valley Near Space Project (TVNSP) will launch flight TV02B.

Flight Specifications:

Launch date and time: Saturday, May 25, 2002 at 0630 MST (1230 UTC)

Launch site: Bully Creek Campground NW of Vale, OR N 44.03 W 117.41

Predicted Burst Altitude: 90,000 ft.

Balloon: 1200 gram latex

Manifest:

Flight Termination Unit / Envelope Cut away
set for 0830, 120 min into the flight

Module 1
APRS Tracker on 144.39 MHz
Call sign KD7INN-11, 30 sec intervals at 05 & 35 past the minute
CW beacon on 145.60, 2 min intervals

Module 2
APRS Tracker on 144.39 MHz
Call sign KD4STH-11, 15 sec intervals at 00, 15, 30,45 past the
minute
APES Camera pointing to the negative Z axis (Straight Down from the Capsule
Photometer
Relative Humidity / Temperature Sensor

John Stone
K7JPS

2857. Re: [tvnsp] TV02B Flight Announcement

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-25 04:23:55 UTC
From: Mike Garske
Topic: 2856 Message: 2857

How about the chase frequencies, John?

Mike KC7DPD
----- Original Message -----
From: "K7JPS - John" <k7jps@...>
To: "TVNSP - Treasure Valley Near Space Program" <tvnsp@yahoogroups.com>;
"Balloon_Sked@yahoogroups. com" <Balloon_Sked@yahoogroups.com>
Sent: Friday, May 24, 2002 10:21 PM
Subject: [tvnsp] TV02B Flight Announcement

> Treasure Valley Near Space Project (TVNSP) will launch flight TV02B.
>
> Flight Specifications:
>
> Launch date and time: Saturday, May 25, 2002 at 0630 MST (1230 UTC)
>
> Launch site: Bully Creek Campground NW of Vale, OR N 44.03 W 117.41
>
> Predicted Burst Altitude: 90,000 ft.
>
> Balloon: 1200 gram latex
>
> Manifest:
>
> Flight Termination Unit / Envelope Cut away
> set for 0830, 120 min into the flight
>
> Module 1
> APRS Tracker on 144.39 MHz
> Call sign KD7INN-11, 30 sec intervals at 05 & 35 past the
minute
> CW beacon on 145.60, 2 min intervals
>
> Module 2
> APRS Tracker on 144.39 MHz
> Call sign KD4STH-11, 15 sec intervals at 00, 15, 30,45 past
the
> minute
> APES Camera pointing to the negative Z axis (Straight Down from the
Capsule
> Photometer
> Relative Humidity / Temperature Sensor
>
> John Stone
> K7JPS

>
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
>
>

2858. Somebody asked....

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-25 04:27:14 UTC
From: Bill Herrmann
Topic: 2804 Message: 2858

for the URL of the new telemetry via FindU CGI

http://www.findu.com/cgi-bin/tele.cgi?call=KD4STH-11&last=96
http://www.findu.com/cgi-bin/tele.cgi?call=KD7INN-11&last=96

will get you any data that makes it there. If you want one to check now...

http://www.findu.com/cgi-bin/tele.cgi?call=KB7WWP-10&last=96

The top two lines are battery voltage and solar panel voltage. It should be obvious which is which.

Last, but not least... The URL for the Cybiko APRS client is http://www.qsl.net/kr1st and he has a bunch of information on what else you need there. Note that you will likely need to upgrade to system pack 57. (Easy to do after you download cyberload from Cybiko's site.) As Jeff mentioned, when you go to http://www.cybiko.com you want to click on classic Cybiko at the bottom of the first page. If you have problems getting set up let me know. I've got a northwest map that I'll post tomorrow and I'm hoping to work on some other maps.

Bill

2859. Re: [tvnsp] Frequencies?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-25 04:38:39 UTC
From: Bill Herrmann
Topic: 2853 Message: 2859

At 08:37 PM 5/24/02 -0600, you wrote:
>I was planning on watching tomorrow's flight from home. I thought I might
>listen in. What frequencies will you be using for voice?

The launch team will be trying to use Cinnabar (147.24) for voice. Both John and I should be monitoring from our respective homes. Depending on where the balloon goes and the kids willingness I may go mobile while it's on the way down.

Bill

2860. TV02B Launch Coordination Info

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-25 04:45:01 UTC
From: K7JPS - John
Topic: 2860 Message: 2860

Launch Site: Bully Creek Campground NW of Vail, OR
Lat: 44.03?
Long: -117.41?
Alt: 3150 ft
Time 06:30 MDT

Predicted Landing: Sand Hollow Creek Just north of the Payette/Gem County Line
Lat: 43.993?
Long: -116.6227?
Duration: 120 min
Bearing: 93.5? true
Range 39.2 mi
Data Source: Stormchaser 25 May 2002, 0Z
Assent Rate: 1000 fpm
Decent Rate: 1200 fpm
Burst Alt: 90,000 ft

Launch / Chase Crews
KC7DPD - Mike
N7GPS - Randy
KD7INN - Jeff
KD7PIT - Justin
KD4STH - Paul

Rendezvous
Oregon Welcome Rest Area, I-84 Westbound, Exit 377
Time 04:30 MDT

Mission Controls
K7JPS - John, BallTrack spec.
KD7MJC - Bill, APRS spec.
N7MTZ - Tony, APRS spec.

Chase Frequencies
Primary - 147.240
Secondary - 146.720
Tertiary - 147.120 pl 100
Simplex - 146.520

Capsule Frequencies
APRS 144.39
CW Beacon 145.60

Capsule Calls
KD7INN-11
KD4STH-11

John Stone
K7JPS

2861. Re: [tvnsp] TV02B Launch Coordination Info

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-25 04:56:28 UTC
From: Stephanie Steele
Topic: 2860 Message: 2861

Norma and I will be there too!

K7JPS - John wrote:

Launch Site: Bully Creek Campground NW of Vail, OR
Lat: 44.03°
Long: -117.41°
Alt: 3150 ft
Time 06:30 MDT

Predicted Landing: Sand Hollow Creek Just north of the Payette/Gem County
Line
Lat: 43.993°
Long: -116.6227°
Duration: 120 min
Bearing: 93.5° true
Range 39.2 mi
Data Source: Stormchaser 25 May 2002, 0Z
Assent Rate: 1000 fpm
Decent Rate: 1200 fpm
Burst Alt: 90,000 ft

Launch / Chase Crews
KC7DPD - Mike
N7GPS - Randy
KD7INN - Jeff
KD7PIT - Justin
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Rendezvous
Oregon Welcome Rest Area, I-84 Westbound, Exit 377
Time 04:30 MDT

Mission Controls
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Capsule Frequencies
APRS 144.39
CW Beacon 145.60

Capsule Calls
KD7INN-11
KD4STH-11

John Stone
K7JPS

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--
Stephanie

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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Try out Message Cleaner. I use it and I recommend it. Here is a link to get your own copy.

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http://www.RoundhillSoftware.com/MessageCleaner?H6Ldj2XpI

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2862. Re: [tvnsp] TV02B Flight Announcement

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-25 04:51:56 UTC
From: Bill Herrmann
Topic: 2856 Message: 2862

At 10:21 PM 5/24/02 -0600, you wrote:
> APES Camera pointing to the negative Z axis (Straight Down from the

What does APES stand for?

Bill

2863. Re: [tvnsp] TV02B Launch Coordination Info

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-25 05:16:00 UTC
From: Mike Garske
Topic: 2860 Message: 2863

Hey Steph, I got me an Arrow Antenna this week, pretty cool!

Someone said, if we bring the DFing gear, chances are we won't need it! Only if we DIDN'T bring it, would we really need it! :)

See ya in a few hours!

Mike KC7DPD

2864. RE: [tvnsp] TV02B Launch Coordination Info

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-25 05:16:18 UTC
From: K7JPS - John
Topic: 2860 Message: 2864

Great, Sorry I didn't get you listed.

John Stone
K7JPS
-----Original Message-----
From: Stephanie Steele [mailto:stephanie@...]
Sent: Friday, May 24, 2002 22:56
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] TV02B Launch Coordination Info

Norma and I will be there too!

K7JPS - John wrote:

Launch Site: Bully Creek Campground NW of Vail, OR
Lat: 44.03?
Long: -117.41?
Alt: 3150 ft
Time 06:30 MDT

Predicted Landing: Sand Hollow Creek Just north of the Payette/Gem County
Line
Lat: 43.993?
Long: -116.6227?
Duration: 120 min
Bearing: 93.5? true
Range 39.2 mi
Data Source: Stormchaser 25 May 2002, 0Z
Assent Rate: 1000 fpm
Decent Rate: 1200 fpm
Burst Alt: 90,000 ft

Launch / Chase Crews
KC7DPD - Mike
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Rendezvous
Oregon Welcome Rest Area, I-84 Westbound, Exit 377
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Mission Controls
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Primary - 147.240
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Simplex - 146.520

Capsule Frequencies
APRS 144.39
CW Beacon 145.60

Capsule Calls
KD7INN-11
KD4STH-11

John Stone
K7JPS

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--
Stephanie

****

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Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
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President Thomas Jefferson.
1743-1826

****

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recommend it. Here is a link to get your own copy.

Here's a link to a very handy email clean-up utility, check it out:

http://www.RoundhillSoftware.com/MessageCleaner?H6Ldj2XpI

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2865. RE: [tvnsp] TV02B Flight Announcement

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-25 05:20:42 UTC
From: K7JPS - John
Topic: 2856 Message: 2865

That's a typo (or should I say I wasn't watching what spell-check was correcting.) It should read APS, as in APS film format as apposed to 35mm or other types of film.

John Stone
K7JPS

-----Original Message-----
From: Bill Herrmann [mailto:bherrman@...]
Sent: Friday, May 24, 2002 22:52
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] TV02B Flight Announcement

At 10:21 PM 5/24/02 -0600, you wrote:
> APES Camera pointing to the negative Z axis (Straight Down from the

What does APES stand for?

Bill

2866. Re: [tvnsp] TV02B Launch Coordination Info

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-25 05:30:50 UTC
From: Bill Herrmann
Topic: 2860 Message: 2866

At 10:56 PM 5/24/02 -0600, Stephanie Steele wrote:
>Norma and I will be there too!

Just in case you see this in time...

They're meeting at the rest area just inside Oregon (on I84) at 0430.

Bill

2867. RE: [tvnsp] TV02B Flight Announcement

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-25 05:37:12 UTC
From: Bill Herrmann
Topic: 2856 Message: 2867

At 11:20 PM 5/24/02 -0600, you wrote:
>That's a typo (or should I say I wasn't watching what spell-check was
>correcting.) It should read APS, as in APS film format as apposed to 35mm or
>other types of film.

I hate when that happens!

APRS bulletins and launch object have reached FindU. I'll post the
predicted landing object momentarily and then I'm grabbing the chance to sleep!

Bill

2868. TV02B Flight Status

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-25 14:43:31 UTC
From: Bill Herrmann
Topic: 2856 Message: 2868

Dawned on me about 30 minutes ago that none of us had sent a status for those not in our area... Of course, it's taken till now to get it done...

TV02B launched NW of Vale Oregon just before 0700 Mountain time. It just passed through 70,000 feet and is ascending slightly slower than planned. Right now we're predicting that the cutaway will happen slightly before burst.

FindU is showing good tracks for both payloads. (KD4STH-11 and KD7INN-11) I've also got some predicted landing spots posted. (Best bet is to use the stations near and look for the "Landing" objects.)

Bill

http://map.findu.com/kd4sth-11
http://map.findu.com/kd7inn-11

2869. Re: [tvnsp] TV02B Flight Status

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-25 15:50:12 UTC
From: Zack Clobes
Topic: 2856 Message: 2869

Was it just me, or was the capsule falling pretty fast?
Zack Clobes, W0ZC
----- Original Message -----
From: Bill Herrmann
To: tvnsp@yahoogroups.com
Sent: Saturday, May 25, 2002 9:43 AM
Subject: [tvnsp] TV02B Flight Status

Dawned on me about 30 minutes ago that none of us had sent a status for
those not in our area... Of course, it's taken till now to get it done...

TV02B launched NW of Vale Oregon just before 0700 Mountain time. It just
passed through 70,000 feet and is ascending slightly slower than planned.
Right now we're predicting that the cutaway will happen slightly before burst.

FindU is showing good tracks for both payloads. (KD4STH-11 and KD7INN-11)
I've also got some predicted landing spots posted. (Best bet is to use the
stations near and look for the "Landing" objects.)

Bill

http://map.findu.com/kd4sth-11
http://map.findu.com/kd7inn-11

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2870. Re: [tvnsp] TV02B Flight Status

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-25 16:04:40 UTC
From: Mark Conner
Topic: 2856 Message: 2870

Yes, it was pretty fast. Below 20,000 ft the descent rate was 4000 ft/min, or about 45 mph. Initial descent rate was 11,000 ft/min. Burst was at 1455Z, landing about 1506Z. I'm thinking the chute was completely fouled, or it became detached from the payload.

KD7INN-11 stopped reporting about 69,000 ft. I'm not sure how they were configured - is it possible KD4STH-11 was on the bottom and left formation?

73 de Mark N9XTN
----- Original Message -----
From: Zack Clobes
To: tvnsp@yahoogroups.com
Sent: Saturday, May 25, 2002 10:50
Subject: Re: [tvnsp] TV02B Flight Status

Was it just me, or was the capsule falling pretty fast?
Zack Clobes, W0ZC
----- Original Message -----
From: Bill Herrmann
To: tvnsp@yahoogroups.com
Sent: Saturday, May 25, 2002 9:43 AM
Subject: [tvnsp] TV02B Flight Status

Dawned on me about 30 minutes ago that none of us had sent a status for
those not in our area... Of course, it's taken till now to get it done...

TV02B launched NW of Vale Oregon just before 0700 Mountain time. It just
passed through 70,000 feet and is ascending slightly slower than planned.
Right now we're predicting that the cutaway will happen slightly before burst.

FindU is showing good tracks for both payloads. (KD4STH-11 and KD7INN-11)
I've also got some predicted landing spots posted. (Best bet is to use the
stations near and look for the "Landing" objects.)

Bill

http://map.findu.com/kd4sth-11
http://map.findu.com/kd7inn-11

2871. Re: [tvnsp] TV02B Flight Status

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-25 16:01:05 UTC
From: Bill Herrmann
Topic: 2856 Message: 2871

At 10:50 AM 5/25/02 -0500, you wrote:
>Was it just me, or was the capsule falling pretty fast?

I'm afraid it wasn't just you. The good news is that they are in the process of recovering the capsule. The bad news is that the parachute is MIA. The overall descent rate was around 6500fpm. I haven't calculated the last descent rate yet.

Bill

2872. KA2QPG-11 just launched from NY heading to Connecticut

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-25 16:10:40 UTC
From: n1ltv
Topic: 2856 Message: 2872

I'm only finding last reports at 69k feet for both
inn and sth at findu.com.

What am I doing wrong?

KA2QPG-11 was launched just around noontime eastern
time. You might want to tune into that one now
for even more balloonacy.

Hank

2873. Re: [tvnsp] TV02B Flight Status

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-25 16:13:37 UTC
From: Bill Herrmann
Topic: 2856 Message: 2873

At 11:04 AM 5/25/02 -0500, you wrote:
>Yes, it was pretty fast. Below 20,000 ft the descent rate was 4000
>ft/min, or about 45 mph. Initial descent rate was 11,000 ft/min. Burst
>was at 1455Z, landing about 1506Z. I'm thinking the chute was completely
>fouled, or it became detached from the payload.

Initial reports from the chase crew said disintegrated, but detatched is a
possiblity.

>KD7INN-11 stopped reporting about 69,000 ft. I'm not sure how they were
>configured - is it possible KD4STH-11 was on the bottom and left formation?

STH was on the bottom, but AFAIK they both stayed in formation for the plummet.

Bill

2874. Re: KA2QPG-11 just launched from NY heading to Connecticut

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-25 17:14:20 UTC
From: n1ltv
Topic: 2856 Message: 2874

> I'm only finding last reports at 69k feet for both
> inn and sth at findu.com.
>
> What am I doing wrong?

Watching too many balloons at once. Operator error.

I have sth-11 sorted out now.

The story on the NY balloon is that the GPS module
on two meters separated and has now landed, and the
10 meter payload is still rising on the balloon.

Hank

2875. TV02B data files

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-25 17:58:18 UTC
From: Tim Rynearson
Topic: 2875 Message: 2875
Attachments: 4 described; binary payloads are missing from this source WARC

Here's the data files from both trackers as received by my home station.
Tim, N7UBO

2876. Re: [tvnsp] TV02B data files

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-25 19:11:41 UTC
From: Mark Conner
Topic: 2875 Message: 2876

```
KD4STH-11>GPSPO,WIDE3-3:$GPGGA,150359,4401.8994,N,11629.9003,W,1,
08,1.2,3642.1,M,-18.2,M,,*4E
KD4STH-11>GPSPO,WIDE3-3:$GPRMC,150414,A,4401.9075,N,11629.8333,W,
010.0,082.5,250502,016.2,E*66
KD4STH-11>GPSPO,WIDE3*:$GPRMC,150414,A,4401.9075,N,11629.8333,W,0
10.0,082.5,250502,016.2,E*66
KD4STH-11>BEACON,WIDE3-2:T#069,141,161,077,043,119,00010011
KD4STH-11>GPSPO,WIDE3*:$PGRMV,-8.8,-12.4,-7.5*44
KD4STH-11>GPSPO,WIDE3-3:>TV02B R-133 Status: 1000/-V Descending
KD4STH-11>GPSPO,WIDE3-1:$GPGGA,150459,4401.9256,N,11629.7008,W,6,
05,1.9,2426.0,M,-18.2,M,,*49
KD4STH-11>GPSPO,WIDE3-3:$GPRMC,150514,A,4401.9545,N,11629.6490,W,
039.9,090.5,250502,016.2,E*60
KD4STH-11>GPSPO,WIDE3-1:$PGRMV,0.4,12.8,-3.2*4F
KD4STH-11>GPSPO,WIDE3-3:>TV02B R-136 Status: 1000/-V Descending
```

The top GPRMV sentence has a descent rate of 7.5 m/s, or 1476 ft/min. The bottom one has 3.2 m/s, or 629 ft/min. However, in the time period bracketing the 7.5 m/s report, the payload fell more than 1200 meters in one minute, or 20 m/s. I don't quite understand the differences reported here.

73 de Mark N9XTN

----- Original Message -----
From: Tim Rynearson
To: tvnsp@yahoogroups.com
Sent: Saturday, May 25, 2002 12:58
Subject: [tvnsp] TV02B data files

Here's the data files from both trackers as received by my home station.
Tim, N7UBO

2877. Re: [tvnsp] TV02B data files

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-25 19:31:46 UTC
From: Tim Rynearson
Topic: 2875 Message: 2877
Attachments: 2 described; binary payloads are missing from this source WARC

Mark,
Something to keep in mind here is that altitude is the LEAST accurate parameter in any NMEA sentence from GPS receivers, even with selective availability turned off. WAAS-capable receivers have reduced this error, but its still not exact.

Tim

-------Original Message-------

From:tvnsp@yahoogroups.com
Date: Saturday, May 25, 2002 01:08:41 PM
To:tvnsp@yahoogroups.com
Subject: Re: [tvnsp] TV02B data files

KD4STH-11>GPSPO,WIDE3-3:$GPGGA,150359,4401.8994,N,11629.9003,W,1,08,1.2,3642.1,M,-18.2,M,,*4E
KD4STH-11>GPSPO,WIDE3-3:$GPRMC,150414,A,4401.9075,N,11629.8333,W,010.0,082.5,250502,016.2,E*66
KD4STH-11>GPSPO,WIDE3*:$GPRMC,150414,A,4401.9075,N,11629.8333,W,010.0,082.5,250502,016.2,E*66
KD4STH-11>BEACON,WIDE3-2:T#069,141,161,077,043,119,00010011
KD4STH-11>GPSPO,WIDE3*:$PGRMV,-8.8,-12.4,-7.5*44
KD4STH-11>GPSPO,WIDE3-3:>TV02B R-133 Status: 1000/-V Descending
KD4STH-11>GPSPO,WIDE3-1:$GPGGA,150459,4401.9256,N,11629.7008,W,6,05,1.9,2426.0,M,-18.2,M,,*49
KD4STH-11>GPSPO,WIDE3-3:$GPRMC,150514,A,4401.9545,N,11629.6490,W,039.9,090.5,250502,016.2,E*60
KD4STH-11>GPSPO,WIDE3-1:$PGRMV,0.4,12.8,-3.2*4F
KD4STH-11>GPSPO,WIDE3-3:>TV02B R-136 Status: 1000/-V Descending

The top GPRMV sentence has a descent rate of 7.5 m/s, or 1476 ft/min. The bottom one has 3.2 m/s, or 629 ft/min. However, in the time period bracketing the 7.5 m/s report, the payload fell more than 1200 meters in one minute, or 20 m/s. I don't quite understand the differences reported here.

73 de Mark N9XTN

----- Original Message -----
From: Tim Rynearson
To: tvnsp@yahoogroups.com
Sent: Saturday, May 25, 2002 12:58
Subject: [tvnsp] TV02B data files

Here's the data files from both trackers as received by my home
station.
Tim, N7UBO

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2878. Re: [tvnsp] TV02B data files

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-25 19:43:27 UTC
From: Mark Conner
Topic: 2875 Message: 2878
Attachments: 2 described; binary payloads are missing from this source WARC

Altitude is the least accurate of the three dimensions, but known GPS error characteristics can't account for this large of a discrepancy. The results I get on NSTAR flights from finite differencing the altitude reports vs. the vertical velocity from the PGRMV sentences are far closer than this. There should not be an order-of-magnitude difference.

- Mark
----- Original Message -----
From: Tim Rynearson
To: tvnsp@yahoogroups.com
Sent: Saturday, May 25, 2002 14:31
Subject: Re: [tvnsp] TV02B data files

Mark,
Something to keep in mind here is that altitude is the LEAST accurate parameter in any NMEA sentence from GPS receivers, even with selective availability turned off. WAAS-capable receivers have reduced this error, but its still not exact.

Tim

-------Original Message-------

From:tvnsp@yahoogroups.com
Date: Saturday, May 25, 2002 01:08:41 PM
To:tvnsp@yahoogroups.com
Subject: Re: [tvnsp] TV02B data files

KD4STH-11>GPSPO,WIDE3-3:$GPGGA,150359,4401.8994,N,11629.9003,W,1,
08,1.2,3642.1,M,-18.2,M,,*4E
KD4STH-11>GPSPO,WIDE3-3:$GPRMC,150414,A,4401.9075,N,11629.8333,W,
010.0,082.5,250502,016.2,E*66
KD4STH-11>GPSPO,WIDE3*:$GPRMC,150414,A,4401.9075,N,11629.8333,W,0
10.0,082.5,250502,016.2,E*66
KD4STH-11>BEACON,WIDE3-2:T#069,141,161,077,043,119,00010011
KD4STH-11>GPSPO,WIDE3*:$PGRMV,-8.8,-12.4,-7.5*44
KD4STH-11>GPSPO,WIDE3-3:>TV02B R-133 Status: 1000/-V Descending
KD4STH-11>GPSPO,WIDE3-1:$GPGGA,150459,4401.9256,N,11629.7008,W,6,
05,1.9,2426.0,M,-18.2,M,,*49
KD4STH-11>GPSPO,WIDE3-3:$GPRMC,150514,A,4401.9545,N,11629.6490,W,
039.9,090.5,250502,016.2,E*60
KD4STH-11>GPSPO,WIDE3-1:$PGRMV,0.4,12.8,-3.2*4F
KD4STH-11>GPSPO,WIDE3-3:>TV02B R-136 Status: 1000/-V Descending

The top GPRMV sentence has a descent rate of 7.5 m/s, or 1476 ft/min. The bottom one has 3.2 m/s, or 629 ft/min. However, in the time period bracketing the 7.5 m/s report, the payload fell more than 1200 meters in one minute, or 20 m/s. I don't quite

understand the differences reported here.

73 de Mark N9XTN

----- Original Message -----
From: Tim Rynearson
To: tvnsp@yahoogroups.com
Sent: Saturday, May 25, 2002 12:58
Subject: [tvnsp] TV02B data files

Here's the data files from both trackers as received by my home
station.
Tim, N7UBO

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2879. Flight Computer Log File

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-25 22:01:38 UTC
From: Mike Garske
Topic: 2879 Message: 2879
Attachments: 1 described; binary payloads are missing from this source WARC

All,

Here is the data from the onboard flight data recorder that was present on TV02B...Enjoy!

2880. Group Photo

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-25 22:36:43 UTC
From: Mike Garske
Topic: 2880 Message: 2880
Attachments: 1 described; binary payloads are missing from this source WARC

How about a group photo??.....we were even smiling though the package was a lot worse for wear after the quick plunge through the stratosphere!

Sorry about the hood in the pic, the truck was at an angle on the side of the hill...oh well!

Mike KC7DPD

2881. Re: Group Photo

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-25 23:08:15 UTC
From: n1ltv
Topic: 2880 Message: 2881

Love the picture!

Anxiously awaiting accounts of the hunt and word
on the condition of the packages.

The picture is a HOOT.

Hank

2882. Re: [tvnsp] Group Photo

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-25 23:23:38 UTC
From: Tim Rynearson
Topic: 2880 Message: 2882
Attachments: 2 described; binary payloads are missing from this source WARC

So do you think the chase experience helped or hindered the assimilation process for Ben ?

Tim

-------Original Message-------

From:tvnsp@yahoogroups.com
Date: Saturday, May 25, 2002 04:35:08 PM
To:tvnsp@yahoogroups.com
Subject: [tvnsp] Group Photo

How about a group photo??.....we were even smiling though the package was a lot worse for wear after the quick plunge through the stratosphere!

Sorry about the hood in the pic, the truck was at an angle on the side of the hill...oh well!

Mike KC7DPD

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2883. Status, 25 May

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-26 00:40:16 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2883 Message: 2883

I'll edit the data file a bit and post the results in a day or two. At lunch I was able to load a program into the flight computer and retrieve the flight data from the flight data recorder. My capsule, Kepler II, appears to be working. I have a cracked airframe, but everything else appears to be working. The APS camera has a dinged corner that appears not to effect it, functionally. The external experiments were recovered on one piece, and may be fine, also. I believe the capsule stopped transmitting data because the TNC battery pulled lose.

The parachute and shrouds ripped off the capsules. It was suggested that the parachute opened at high speed and the snatch ripped it off. The lanyard is visible in every picture but the last, so it may have twisted around the parachute during the ascent, preventing the parachute from opening.

It was an easy launch, chase, and recovery.

Paul

2884. Re: [tvnsp] Re: Group Photo

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-25 23:53:32 UTC
From: Bill Herrmann
Topic: 2880 Message: 2884

At 11:08 PM 5/25/02 +0000, you wrote:
>Love the picture!
>
>Anxiously awaiting accounts of the hunt and word
>on the condition of the packages.

I believe that that picture is at the recovery site. The capsules are close to their respective owners. The red capsule (Jeff's) was the most damaged. It isn't easy to observe in the picture, but the top and everything above it parted company with the capsule. If you look closely you can observe some black tabs with the load rings at the bottom. The top ones are MIA. Jeff had most of the electronics in a sandwich stack at the bottom of the capsule. IMO that saved them from also being MIA. I'll let Jeff and Paul fill everybody in as they have a chance to check their equipment over, but it's remarkable to observe how well things held up to an uncontrolled plummet.

Bill

2885. Capsule conditions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-25 23:59:45 UTC
From: Jeff Melanson
Topic: 2885 Message: 2885

Hi All,

The capsule frames took some damage but as you can see in the group picture they were not smashed to bits as some of us expected. Apparently the parachute was separated from the capsules at cut down time. Stephanie has a good idea of why this may have happened. On launch one of the lanyards became caught on the ring and we had to let it go with the capsule. Paul's pictures show that the lanyard and kite winder hung straight down for the ascent. The cutdown device operated before the balloon burst. That means that the lanyard which was still attached to the balloon and hanging below the capsules continued to rise while the capsules started to fall. Stephanie suggests that the kit winder snatched the parachute on the way by like a sky hook and that action may have ripped things apart.
The two capsules came down together. In the group picture take a close look at my capsule (The red one). You will notice that the tie points at the top of the capsule are missing. On the left corner you see a piece of torn fabric over the capsule. One of the bottom corners is also torn but you can't see that in the photo. Something violent tore this up. Those tie points were pretty strong. When the parachute was torn away it took my capsule cover with it. My GPS was out of the capsule and hanging by the wires. The rest of the electronics remained inside. On impact the GPS was smashed beyond use. The radios and Flight computer survived. The TNC took some physical damage but looks to be in good shape. It powers up but I still need to do some inspecting and testing. The radios, flight computer, and TNC were packaged in a three level pallet in the bottom of the capsule and were fairly secure. This is what probably save them. The GPS was in the top of the capsule and fell out when the cover was pulled off. It was in a Styrofoam box but that was nowhere to be found. It appears that although my capsule was above Paul's on ascent it was under his on impact. Paul's capsule took less damage than mine. We think my capsule helped break the fall for Paul's capsule. I'll let Paul describe his damage. My tracker worked good all the way up but after the parachute separation we didn't get anymore reports. No surprise here. Paul's tracker worked all the way to impact and we had a good fix on it. It landed (impacted) in a safe place and was an easy recovery.

Jeff
KD7INN

2886. TV02B Flight Log Files

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-26 00:01:55 UTC
From: Bill Herrmann
Topic: 2879 Message: 2886

I've just uploaded www.webpak.net/~bherrman/TV02B.zip

It contains my logs of TV02B in both text and APRS+ format. I also through in the quick Excel spreadsheet I did with the descent rate and altitude.

It's in Excel 2000 format, which Excel 97 will also read. If you need it in something else I may be able to convert.

Bill

2887. Re: [tvnsp] Status, 25 May

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-26 01:03:13 UTC
From: John Knapp
Topic: 2883 Message: 2887

Wish I was with you. Deb and I watched the Internet postings of the flight since right after launch. It was almost in slow motion until the descent started then wow, it wanted to come home. Couldn't believe how fast it was descending.

As the casules headed for Emmett I was trying to tell you where to head and some short cuts to take, but, alas you couldn't hear my shouting.

Glad you were able to recover the remains of the capsules. Paul, you should check to see if you have the fastest decent.

JohnK

--- verhap@... wrote:
> I'll edit the data file a bit and post the results
> in a day or two. At
> lunch I was able to load a program into the flight
> computer and
> retrieve the flight data from the flight data
> recorder. My capsule,
> Kepler II, appears to be working. I have a cracked
> airframe, but
> everything else appears to be working. The APS
> camera has a
> dinged corner that appears not to effect it,
> functionally. The
> external experiments were recovered on one piece,
> and may be
> fine, also. I believe the capsule stopped
> transmitting data because
> the TNC battery pulled lose.
>
> The parachute and shrouds ripped off the capsules.
> It was
> suggested that the parachute opened at high speed
> and the snatch
> ripped it off. The lanyard is visible in every
> picture but the last, so it
> may have twisted around the parachute during the
> ascent,
> preventing the parachute from opening.
>
> It was an easy launch, chase, and recovery.

>
> Paul
>

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2888. Re: [tvnsp] Status, 25 May

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-26 01:13:22 UTC
From: Jeff Melanson
Topic: 2883 Message: 2888

Actually my capsule was above Pauls when the plummett
started and below his on impact. I beat him to the ground! I
should have the fastest descent by a thin margin. :)

Jeff
KD7INN

John Knapp wrote:
>
> Wish I was with you. Deb and I watched the Internet
> postings of the flight since right after launch. It
> was almost in slow motion until the descent started
> then wow, it wanted to come home. Couldn't believe how
> fast it was descending.
>
> As the casules headed for Emmett I was trying to tell
> you where to head and some short cuts to take, but,
> alas you couldn't hear my shouting.
>
> Glad you were able to recover the remains of the
> capsules. Paul, you should check to see if you have
> the fastest decent.
>
> JohnK
>
> --- verhap@... wrote:
> > I'll edit the data file a bit and post the results
> > in a day or two. At
> > lunch I was able to load a program into the flight
> > computer and
> > retrieve the flight data from the flight data
> > recorder. My capsule,
> > Kepler II, appears to be working. I have a cracked
> > airframe, but
> > everything else appears to be working. The APS
> > camera has a
> > dinged corner that appears not to effect it,
> > functionally. The
> > external experiments were recovered on one piece,
> > and may be
> > fine, also. I believe the capsule stopped
> > transmitting data because
> > the TNC battery pulled lose.
> >
> > The parachute and shrouds ripped off the capsules.

> > It was
> > suggested that the parachute opened at high speed
> > and the snatch
> > ripped it off. The lanyard is visible in every
> > picture but the last, so it
> > may have twisted around the parachute during the
> > ascent,
> > preventing the parachute from opening.
> >
> > It was an easy launch, chase, and recovery.
> >
> > Paul
> >
>
> ---
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2889. Re: [tvnsp] Re: Group Photo

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-26 01:13:42 UTC
From: Mark Conner
Topic: 2880 Message: 2889

Ah, those are the "after" pictures. When I first saw them, I thought they were "before". I figured "after" would have involved a stick and a spoon for recovery implements.

Glad the only loss seems to be a chute and some styrofoam. My last ballistic flight cost me a camcorder.

73 de Mark N9XTN
----- Original Message -----
From: Bill Herrmann
To: tvnsp@yahoogroups.com
Sent: Saturday, May 25, 2002 18:53
Subject: Re: [tvnsp] Re: Group Photo

At 11:08 PM 5/25/02 +0000, you wrote:
>Love the picture!
>
>Anxiously awaiting accounts of the hunt and word
>on the condition of the packages.

I believe that that picture is at the recovery site. The capsules are close to their respective owners. The red capsule (Jeff's) was the most damaged. It isn't easy to observe in the picture, but the top and everything above it parted company with the capsule. If you look closely you can observe some black tabs with the load rings at the bottom. The top ones are MIA. Jeff had most of the electronics in a sandwich stack at the bottom of the capsule. IMO that saved them from also being MIA. I'll let Jeff and Paul fill everybody in as they have a chance to check their equipment over, but it's remarkable to observe how well things held up to an uncontrolled plummet.

Bill

2890. Those troublemaking lanyards

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-26 01:19:25 UTC
From: n1ltv
Topic: 2885 Message: 2890

> On launch one of the lanyards became
> caught on the ring and we had to let it go with the capsule.

These lanyards seem to cause a surprising amount
of trouble.

I don't think EOSS ever uses them. They tried them a
long time ago and didn't like them.

Hank

2891. Re: [tvnsp] Flight Computer Log File

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-26 01:52:35 UTC
From: Zack Clobes
Topic: 2879 Message: 2891

Is there a key to the data that is in this file? I'm having a hard time making heads or tails of it.
Zack Clobes, W0ZC
----- Original Message -----
From: Mike Garske
To: tvnsp@yahoogroups.com
Sent: Saturday, May 25, 2002 5:01 PM
Subject: [tvnsp] Flight Computer Log File

All,

Here is the data from the onboard flight data recorder that was present on TV02B...Enjoy!

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2892. Re: [tvnsp] Capsule conditions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-26 03:30:28 UTC
From: Tony Barrett
Topic: 2885 Message: 2892

So who needs parachutes! :-)

With a little airframe refinement we could crash land all the time, except for the fear of landing on someone. And the parachute makes it easier to watch the descent and find the capsules after touchdown.

Those lanyards seem to be a frequent problem. Might be an opportunity for some improved engineering. Maybe the lanyards should be wires that operate some ground powered cut-down devices, with the cut-down devices falling to the ground for recovery at the launch point. When we're ready to launch we just flip a switch and all the lanyards are cut away. We'd have to think about ways to ensure the falling cut-away device don't snag things on their way by. Maybe we make them the right length so that at the launch angle they are away from the parachute and package. Then the short strings that fly won't hurt anything.

Rather than the attachment rings we might think about a parachute strap / net / basket that is one or two or three continuous nylon strap loops that go from the chute underneath the capsules and back up to the parachute.

I think we learned a lot of good things about airframe design today. Maybe we want a "crush" zone on all sides just to ensure a better survival rate in the case of a crash landing. Rather than just putting everything in the box, every piece with any appreciable mass needs to be solidly secured to the airframe. That way, even if it gets tipped upside down with the lid ripped off, the contents stay in position and continue to function. How about a double pyramid airframe that's designed to land on a point, crush, and absorb some impact. Theoretically you could mount the package above an airbag that deploys when the sensor touches down, kind of like NASA did with one of the recently successful Mars missions. I know. Too expensive and too complicated. But you could put a heavy duty party balloon or two in the capsule under the package that's designed to pop on impact and slow the decent of the electronics.

Some of these middle school science students have solve the problem of packaging an egg to survive a drop from a four story building. We could adapt some of their ideas.

Looking forward to more details on how the electronics survived.

Tony

At 05:59 PM 5/25/02 -0600, you wrote:
>Hi All,
>
>The capsule frames took some damage but as you can see in
>the group picture they were not smashed to bits as some of

>us expected. Apparently the parachute was separated from the
>capsules at cut down time. Stephanie has a good idea of why
>this may have happened. On launch one of the lanyards became
>caught on the ring and we had to let it go with the capsule.
>Paul's pictures show that the lanyard and kite winder hung
>straight down for the ascent. The cutdown device operated
>before the balloon burst. That means that the lanyard which
>was still attached to the balloon and hanging below the
>capsules continued to rise while the capsules started to
>fall. Stephanie suggests that the kit winder snatched the
>parachute on the way by like a sky hook and that action may
>have ripped things apart.
>The two capsules came down together. In the group picture
>take a close look at my capsule (The red one). You will
>notice that the tie points at the top of the capsule are
>missing. On the left corner you see a piece of torn fabric
>over the capsule. One of the bottom corners is also torn but
>you can't see that in the photo. Something violent tore this
>up. Those tie points were pretty strong. When the parachute
>was torn away it took my capsule cover with it. My GPS was
>out of the capsule and hanging by the wires. The rest of the
>electronics remained inside. On impact the GPS was smashed
>beyond use. The radios and Flight computer survived. The TNC
>took some physical damage but looks to be in good shape. It
>powers up but I still need to do some inspecting and
>testing. The radios, flight computer, and TNC were packaged
>in a three level pallet in the bottom of the capsule and
>were fairly secure. This is what probably save them. The GPS
>was in the top of the capsule and fell out when the cover
>was pulled off. It was in a Styrofoam box but that was
>nowhere to be found. It appears that although my capsule was
>above Paul's on ascent it was under his on impact. Paul's
>capsule took less damage than mine. We think my capsule
>helped break the fall for Paul's capsule. I'll let Paul
>describe his damage. My tracker worked good all the way up
>but after the parachute separation we didn't get anymore
>reports. No surprise here. Paul's tracker worked all the way
>to impact and we had a good fix on it. It landed (impacted)
>in a safe place and was an easy recovery.
>
>Jeff
>KD7INN
>
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2894. Re: [tvnsp] Those troublemaking lanyards

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-26 03:38:02 UTC
From: Tony Barrett
Topic: 2885 Message: 2894

So how do you launch without lanyards?

At 01:19 AM 5/26/02 +0000, you wrote:
> > On launch one of the lanyards became
> > caught on the ring and we had to let it go with the capsule.
>
>These lanyards seem to cause a surprising amount
>of trouble.
>
>I don't think EOSS ever uses them. They tried them a
>long time ago and didn't like them.
>
>Hank

2895. Re: [tvnsp] Status, 25 May

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-26 03:47:05 UTC
From: Jeff Melanson
Topic: 2883 Message: 2895

No, these are external batteries so that they can be
controlled by an external switch.

Jeff

Tony Barrett wrote:
>
> So one of our engineering projects should be improved ways to secure the
> batteries and wiring so nothing can get pulled loose, right?
>
> Was this an internal TNC 9 volt lithium battery? I put some extra foam in
> my TNCs to secure the batteries, but I've never tested this at 73.5 mph
> (my closest guess at impact speed). Anyone have a better idea what the
> impact velocity was?
>
> Tony
>
> At 05:40 PM 5/25/02 -0700, you wrote:
> >I'll edit the data file a bit and post the results in a day or two. At
> >lunch I was able to load a program into the flight computer and
> >retrieve the flight data from the flight data recorder. My capsule,
> >Kepler II, appears to be working. I have a cracked airframe, but
> >everything else appears to be working. The APS camera has a
> >dinged corner that appears not to effect it, functionally. The
> >external experiments were recovered on one piece, and may be
> >fine, also. I believe the capsule stopped transmitting data because
> >the TNC battery pulled lose.
> >
> >The parachute and shrouds ripped off the capsules. It was
> >suggested that the parachute opened at high speed and the snatch
> >ripped it off. The lanyard is visible in every picture but the last, so it
> >may have twisted around the parachute during the ascent,
> >preventing the parachute from opening.
> >
> >It was an easy launch, chase, and recovery.
> >
> >Paul
> >
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2896. Re: [tvnsp] Status, 25 May

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-26 04:07:33 UTC
From: Tony Barrett
Topic: 2883 Message: 2896

I control my internal batteries by an "external switch". Actually, I just put a plug in the connector. The connector has a switch built into it. When I pull the plug the internal battery is connected and the TNC turns on if the front panel switch is on. You could just put a "PULL BEFORE LAUNCH flag on a string that pulls the plug out of the TNC to act as an "external switch".

I actually use these plugs for the opposite reason. I want to make sure the internal battery does not run down if the power switch is accidentally bumped on. So long as the coaxial DC plug is in place (and the jumpers on the TNC are set right) the plug ensures that the internal battery is NOT connected.

Its an option, something worth considering. A 9 volt lithium will power a TNC for days, even at cold temps.

Tony

At 09:47 PM 5/25/02 -0600, you wrote:
>No, these are external batteries so that they can be
>controlled by an external switch.
>
>Jeff
>
>Tony Barrett wrote:
> >
> > So one of our engineering projects should be improved ways to secure the
> > batteries and wiring so nothing can get pulled loose, right?
> >
> > Was this an internal TNC 9 volt lithium battery? I put some extra foam in
> > my TNCs to secure the batteries, but I've never tested this at 73.5 mph
> > (my closest guess at impact speed). Anyone have a better idea what the
> > impact velocity was?
> >
> > Tony
> >

2897. Landing with no parachute!

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-26 04:26:05 UTC
From: Mike Garske
Topic: 2897 Message: 2897
Attachments: 1 described; binary payloads are missing from this source WARC

Here is the picture of the capsule as we walked upon it.

Mike KC7DPD

2898. TV02B Flight Log - KC7DBA Home Log

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-26 04:30:30 UTC
From: Stephanie Steele
Topic: 2898 Message: 2898

Hi all,

I have the flight log from home that I just finished cleaning all the chatter from. It it probably repetative of what is already available but if anyone wants it please drop me a note off list and I'll send the text file to you.

--
Stephanie

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

Are you tired of sending out email that shows the wear and tear of being forwarded 50 times. Are you tired of getting this same type of mail that is hard or impossible to read. Try out Message Cleaner. I use it and I recommend it. Here is a link to get your own copy.

Here's a link to a very handy email clean-up utility, check it out:

http://www.RoundhillSoftware.com/MessageCleaner?H6Ldj2XpI

****
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2899. Another photo.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-26 04:31:21 UTC
From: Mike Garske
Topic: 2899 Message: 2899
Attachments: 1 described; binary payloads are missing from this source WARC

Here's another photo of the "scene". GPS is about 4 feet away from the capsule.

Mike KC7DPD

2900. Another Way of Using a Pager, Garmin 35 vs. Etrex

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-26 04:41:39 UTC
From: Tony Barrett
Topic: 2900 Message: 2900

Hey Guys,

Jake Gier (N7VIV-AE, Congrats Jake!) was listening in on our launch and we chatted about it afterwards.

I remember we tested a pager to operate a cut down device and it didn't seem to work well at higher altitudes. We thought it may have been out of transmitter range at higher altitudes, maybe due to the radiating pattern of the paging transmitter. Jake was suggesting that we use the pager to turn on and off a recovery beacon. We know these pagers work pretty well at ground level. Dane Delucia (AA7YE) gets pagers for about $5 and he has a really simple "toggle" circuit that turns an external device on and off every time the pager is activated. Jake's thought was that we could conserve battery power in the recovery beacon by only turning it on when we wanted to begin recovery operations. Once we got a bead on it we could turn it off until we got closer, then turn it back on to take another position fix. Some TNCs (KPC-3s I think) can operate pagers. I know some repeater controllers also page. Heck, maybe even some HTs page (my Yaesu FT-530 has a paging function, but maybe its not the same.). Some pagers are easily moved into the 2M band. The recovery crew could carry a portable paging transmitter (just a TNC and maybe a laptop tied to a mobile radio) in case the capsule touched down in some valley not covered by a regular paging transmitter.

Thanks for the suggestion Jake. If I missed something, or got it wrong, please let me know and I'll be happy to make amends.

This next one is my idea, so don't blame Jake if you think its silly. Another reason to use Garmin 35s instead of Etrex units: if the capsule is found by someone else, Garmin 35s are less useful (with no display and no controls) to the casual user than an Etrex or GPS III or similar device with a built in GUI. Its more likely someone will call us to return something they can't really use or sell. You know I've never had the power switch bumped on my Garmin 35 (since there ain't one! :-)). They're waterproof too! Made for marine use. Since they're potted, with no "glass", and about the size and mass of a mouse, they may even survive crash landings. They sound cheaper (in the long run) all the time. No mods required. Two serial outputs. Wide voltage range. Fast acquisition.

73,

Tony

2901. Re: [tvnsp] Landing with no parachute!

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-26 04:48:50 UTC
From: Tony Barrett
Topic: 2897 Message: 2901

Thinking about the Indy 500 I'll watch tomorrow. Those cars are made to come apart in a crash to dissipate energy and minimize damage. Maybe a more rigid airframe would make things worse. Perhaps these airframes did exactly what they are supposed to do and minimized the damage to other parts. Most of the electronics still work. One the other hand, they do use wheel restraining cables (a recently added safety measure) and seat belts to keep things from getting too far away. Maybe the GPS would have survived with proper restraint. Pure speculation, but the same laws of physics apply. Restrained objects, that are free to move a controlled amount, survive crashes better.

Cool pic!

Thanks,

Tony

At 10:26 PM 5/25/02 -0600, you wrote:
>Here is the picture of the capsule as we walked upon it.
>
>Mike KC7DPD

2902. Re: [tvnsp] Another photo.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-26 05:17:35 UTC
From: Tony Barrett
Topic: 2899 Message: 2902

What's the medium blue rectangular object half way between the GPS and the capsules?

At 10:31 PM 5/25/02 -0600, you wrote:
>Here's another photo of the "scene". GPS is about 4 feet away from the
>capsule.
>
>Mike KC7DPD

2903. Re: [tvnsp] Status, 25 May

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-26 05:16:43 UTC
From: Bill Herrmann
Topic: 2883 Message: 2903

At 09:34 PM 5/25/02 -0600, you wrote:
>Anyone have a better idea what the impact velocity was?

Going from memory here... I think my spreadsheet showed about 45mph between the last two recorded positions. I think Stephanie has later data since she had better LOS to the capsule. I'll recompute...

Bill

2904. another angle

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-26 07:22:10 UTC
From: Mike Garske
Topic: 2904 Message: 2904
Attachments: 1 described; binary payloads are missing from this source WARC

Here's another angle, Tony. It was one of the side panels.

Mike KC7DPD

2905. Topographic map of landing

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-26 15:17:03 UTC
From: kd7pit
Topic: 2905 Message: 2905

Here's a link to a USGS topo map of the landing site based on a waypoint I set on my GPS when we got there.

http://www.topozone.com/map.asp?z=11&n=4875590&e=540497&s=25&size=m

Justin, KD7PIT

2906. Balloon photos question

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-26 16:59:42 UTC
From: kd7pit
Topic: 2906 Message: 2906

I noticed that on the back of the photos Paul had developed, they
are numbered from 1 to 33 but if my memory serves me, wasn't there 34
frames shot by the camera? Did the last frame jam and didn't take a
picture but the camera said it did anyways?
I was also wondering if Paul can determine, using the flight
data, the time, altitude and lat/long of each picture that was
taken. I'd like to label each photo with the info. Thanks

...As an after-thought, I take it I won't be getting my budget 9V
battery back any time soon huh? I'll just have to get some more :)

Justin, KD7PIT

2907. Re: [tvnsp] Another photo.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-26 17:13:05 UTC
From: Jeff Melanson
Topic: 2899 Message: 2907

That's one of my side panels that had an antenna boom
mounted on it.

Jeff

Tony Barrett wrote:
>
> What's the medium blue rectangular object half way between the GPS and the
> capsules?
>
> At 10:31 PM 5/25/02 -0600, you wrote:
> >Here's another photo of the "scene". GPS is about 4 feet away from the
> >capsule.
> >
> >Mike KC7DPD
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

2908. Re: Capsule conditions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-26 18:11:58 UTC
From: n1ltv
Topic: 2885 Message: 2908

> Paul's pictures show that the lanyard and kite winder hung
> straight down for the ascent.

Jeff,

What is this kite winder like? Size, material?

If this is some kind of rigid plastic thing, I think the
practice of allowing objects like that to go up, even
by accident, is not a good one.

Seems like it's just looking for trouble.

Hank

2909. Re: Those troublemaking lanyards

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-26 18:44:17 UTC
From: n1ltv
Topic: 2885 Message: 2909

> So how do you launch without lanyards?

Oh, that's an easy question. Just with the "load line" beneath the balloon. This lanyard method seems to be a Kansas thing.

Here's a complete account of the EOSS philosophy from its president and technical officer, Mike Manes. It's in response to Mark Conner's recent bad lanyard experience. Both Conner and Manes posts are edited.

Notice Mark abandoned the lanyard scheme and then had no trouble.

Mike thinks the no lanyard method is the "safest and most reliable."

Hank

Mark Conner:

> For about fifteen feet. The lanyard snags on the
> ring - looks like a rat's nest up there. Nuts. Doug
> suggests cutting the lanyard away, but I give it a
> good tug to see if I can clear it
> (as if Doug's pulling wasn't good enough).

> Meanwhile we're carefully reeling the balloon back in,
> expecting it to go any time, most likely just before we
> can secure it. We catch a break, however, as I was able
> to get the free end of the lanyard and we get the balloon
> back. We attach the load line directly to the ring, then
> let the balloon out by the load line rather than risk
> a lanyard fouling again.

Mike Manes:

Hi Mark,

EOSS tried that "lanyard" release once before (we called it a painter line, after the naval tradition of the guy who thought it up). And we had the same failure: the friction of the painter pulling thru the load ring cut thru the

load line.

Since then, we've learned that the safest and most reliable way to launch is to get the payload handlers lined up downwind, per the pibal, to hold the balloon by its nozzle and simply let it go on the count.

The payload handlers attempt to get each of their payloads directly under the balloon when it pulls free to prevent penduluming into the ground. This method works dandy anywhere from dead calm up to 15 kts, and it also avoids damage to any cables or connectors running alongside the load line.

2910. Re: [tvnsp] Re: Those troublemaking lanyards

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-26 19:45:06 UTC
From: Mark Conner
Topic: 2885 Message: 2910

We abandoned it only for the second attempt on 02-B, mostly because the lanyards were a tangled mess afterwards and the winds were so light that day. We did the lanyards again for 02-C and had no problems.

We do a closer eyeball check of the lanyard positions before release, and we have the free ends "downwind" of the stack. We also release both free ends simultaneously.

I attribute our bad experience primarily to a frayed end of the lanyard *before* release, plus being positioned so that the free ends blew against the stack and load line.

73 de Mark N9XTN
----- Original Message -----
From: n1ltv
To: tvnsp@yahoogroups.com
Sent: Sunday, May 26, 2002 13:44
Subject: [tvnsp] Re: Those troublemaking lanyards

Notice Mark abandoned the lanyard scheme and then had no
trouble.

Mike thinks the no lanyard method is the "safest
and most reliable."

2911. Re: [tvnsp] Re: Those troublemaking lanyards

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-26 19:51:52 UTC
From: Tony Barrett
Topic: 2885 Message: 2911

Thanks Hank!

BTW,

I've been sending everything as plain text only, and I've been deleting everything at the end that's not necessary. Are my messages looking any shorter?

I belong to several YahooGroups and always use the same e-mail client (Eudora). Seems like the balloon group is the only one to ever comment on the size of my messages.

Take care,

Tony

At 06:44 PM 5/26/02 +0000, you wrote:
> > So how do you launch without lanyards?
>
>Oh, that's an easy question. Just with the "load
>line" beneath the balloon. This lanyard method seems
>to be a Kansas thing.
>
>Here's a complete account of the EOSS philosophy
>from its president and technical officer, Mike Manes.
>It's in response to Mark Conner's recent bad lanyard
>experience. Both Conner and Manes posts are edited.
>
>Notice Mark abandoned the lanyard scheme and then had no
>trouble.
>
>Mike thinks the no lanyard method is the "safest
>and most reliable."
>
>Hank
>--------------------------------
>
>
>Mark Conner:
>------------
>
> > For about fifteen feet. The lanyard snags on the
> > ring - looks like a rat's nest up there. Nuts. Doug
> > suggests cutting the lanyard away, but I give it a
> > good tug to see if I can clear it
> > (as if Doug's pulling wasn't good enough).

>
> > Meanwhile we're carefully reeling the balloon back in,
> > expecting it to go any time, most likely just before we
> > can secure it. We catch a break, however, as I was able
> > to get the free end of the lanyard and we get the balloon
> > back. We attach the load line directly to the ring, then
> > let the balloon out by the load line rather than risk
> > a lanyard fouling again.
>
> ------------------------------------
>
>Mike Manes:
>-----------
>
>
>Hi Mark,
>
>EOSS tried that "lanyard" release once before (we called it
>a painter line, after the naval tradition of the guy who
>thought it up). And we had the same failure: the friction
>of the painter pulling thru the load ring cut thru the
>load line.
>
>Since then, we've learned that the safest and most reliable
>way to launch is to get the payload handlers lined up
>downwind, per the pibal, to hold the balloon by its nozzle
>and simply let it go on the count.
>
>The payload handlers attempt to get each of their payloads
>directly under the balloon when it pulls free to prevent
>penduluming into the ground. This method works dandy
>anywhere from dead calm up to 15 kts, and it also avoids
>damage to any cables or connectors running alongside
>the load line.

2912. Re: [tvnsp] Re: Those troublemaking lanyards

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-26 20:18:04 UTC
From: Jeff Melanson
Topic: 2885 Message: 2912

Mark,

We have used a loop at the end of our lanyards that slip over the end of a piece of PVC pipe to hold the lines until it's time to release. We slip the loop off the end of the pipe to release it. We release one at a time. It is this loop that seems to occasionally snag in the ring. We are thinking that we should remove the loop by cutting the lanyard at launch time or wrapping the lanyard around the pvc pipe instead of tying a loop. How do you do this?
On one occasion our load line was melted through by the friction of the lanyard pulling past it. This is the time that the sucker winds crept up on us and yanked the balloon away. If it wasn't for the winds we would not have had the problem.

It would seem to me that the problem with holding the load line to raise the balloon is the 15 pounds of pull from the balloon. You would definitely want to have your gloves on and if you accidentally lost you grip on the line it would yank the payloads off the ground and hopefully not break anything. The lanyards are a gentle way of raising the balloon, parachute, and capsules. The lifting force is divided among three line handlers.

Consider this for a solution:

Raise the balloon with the lanyards until the payload is suspended under the balloon. Hold onto the payload and remove the lanyards. Release the payload.

Comments?

2913. Re: Those troublemaking lanyards

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-26 20:19:57 UTC
From: n1ltv
Topic: 2885 Message: 2913

> We did the lanyards again for 02-C and had no problems.

Do you really think they serve much of a purpose, Mark?

They have been the cause of several substantial mishaps.
Has their use perhaps avoided mishaps that would have
otherwise occurred?

EOSS certainly has a very long record of trouble-free
launches that has to carry a lot of weight.

Hank

2914. Re: Those troublemaking lanyards

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-26 20:23:11 UTC
From: n1ltv
Topic: 2885 Message: 2914

> Consider this for a solution:
>
> Raise the balloon with the lanyards until the payload is
> suspended under the balloon. Hold onto the payload and
> remove the lanyards. Release the payload.
>
> Comments?

What about just letting the darned lanyards fly
away with the balloon?

2915. Re: [tvnsp] Re: Those troublemaking lanyards

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-26 20:30:06 UTC
From: Jeff Melanson
Topic: 2885 Message: 2915

Hank,

Does EOSS have any pictures demonstrating this method?

Jeff

n1ltv wrote:
>
> > We did the lanyards again for 02-C and had no problems.
>
> Do you really think they serve much of a purpose, Mark?
>
> They have been the cause of several substantial mishaps.
> Has their use perhaps avoided mishaps that would have
> otherwise occurred?
>
> EOSS certainly has a very long record of trouble-free
> launches that has to carry a lot of weight.
>
> Hank
>
>
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> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

2916. Re: [tvnsp] Re: Those troublemaking lanyards

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-26 20:35:29 UTC
From: Jeff Melanson
Topic: 2885 Message: 2916

I mean the method of raising the balloon with the load line?

Jeff

Jeff Melanson wrote:
>
> Hank,
>
> Does EOSS have any pictures demonstrating this method?
>
> Jeff
>
> n1ltv wrote:
> >
> > > We did the lanyards again for 02-C and had no problems.
> >
> > Do you really think they serve much of a purpose, Mark?
> >
> > They have been the cause of several substantial mishaps.
> > Has their use perhaps avoided mishaps that would have
> > otherwise occurred?
> >
> > EOSS certainly has a very long record of trouble-free
> > launches that has to carry a lot of weight.
> >
> > Hank
> >
> >
> > To unsubscribe from this group, send an email to:
> > tvnsp-unsubscribe@egroups.com
> >
> >
> >
> > Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
> To unsubscribe from this group, send an email to:
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>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

2917. Re: no more giant, weird attachments

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-26 20:32:14 UTC
From: n1ltv
Topic: 2885 Message: 2917

> I've been sending everything as plain text only, and I've
> been deleting everything at the end that's not necessary.
> Are my messages looking any shorter?

Tony,

Yes, it's working great, no 150 kilobyte attachments!
Was looking for a few clean ones in a row before I
high-fived you, because before there had been false
alarms about it being fixed when it really wasn't.
Hope all my talk doesn't jinx it. Crossing fingers.

You can always check how your messages are looking by
going to the yahoogroups websites (I don't receive any
TVNSP mail -- read it all on the website).

Hank

2918. Re: [tvnsp] Re: Those troublemaking lanyards

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-26 20:36:18 UTC
From: Jeff Melanson
Topic: 2885 Message: 2918

The fear here is that the lanyards would tangle in the
parachute.

Jeff

n1ltv wrote:
>
> > Consider this for a solution:
> >
> > Raise the balloon with the lanyards until the payload is
> > suspended under the balloon. Hold onto the payload and
> > remove the lanyards. Release the payload.
> >
> > Comments?
>
> What about just letting the darned lanyards fly
> away with the balloon?
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

2919. Re: Those troublemaking lanyards

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-26 20:44:31 UTC
From: n1ltv
Topic: 2885 Message: 2919

> Does EOSS have any pictures demonstrating this method?

I believe they do. Maybe not specifically for that
purpose (of demonstrating).

I don't think the lanyard method is very widespread
really, so on the web there should be many pictures of
people just holding on to balloon necks. The lanyard
thing seems to have taken hold in Kansas.

I have a few pictures of me raising a balloon
on its loadline, but that's the record holder
for the smallest envelope to ever raise a telemetry
equipped payload, so we won't mention that midget
balloon again. :) You might have seen beachballs
almost as big.

Hank

2920. Re: [tvnsp] Re: Those troublemaking lanyards

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-26 20:53:02 UTC
From: Mark Conner
Topic: 2885 Message: 2920

The gentleness of the release, combined with the additional control of the balloon during windy conditions, is why I still like the lanyards. EOSS has good luck with their methodology, and we'll see a demo of it at GPSL 2002. Maybe after seeing it done I'll be more apt to try it.

We tie loops at the end of our lanyard, and use a crescent wrench (needed for tightening the regulator into the tank) as the holder. We either duct tape or put heat-shrink over the knot. We also fold the ring into the neck, placing the split under the latex. The load line is tied to the balloon side of the U, then the works is taped over leaving the bottom of the ring exposed. That's what we run the lanyards through.

If you get the payload lifted off the ground, and things are otherwise under control, I could see where releasing the lanyards while holding the payload might provide another means of getting around a possible snag. That would give you the ability to resolve the snag or cut the lanyard leaving the minimum amount of string still attached.

I think the EOSS method, as described, snatches the payloads either off the ground or out of the hands of the launch crew. I personally like seeing everything hanging below the balloon before release to make sure everything is untangled, the payloads are still functioning, etc. I think the EOSS payload exteriors are "cleaner" than ours and offer less potential for snags or tangles during the launch process.

My experience has shown less trouble and more comfort with the launch process to use the lanyards. The downside can be mitigated with a little vigilance.

73 de Mark N9XTN

From: Jeff Melanson
To: tvnsp@yahoogroups.com
Sent: Sunday, May 26, 2002 15:18
Subject: Re: [tvnsp] Re: Those troublemaking lanyards

Mark,

We have used a loop at the end of our lanyards that slip
over the end of a piece of PVC pipe to hold the lines until
it's time to release. We slip the loop off the end of the
pipe to release it. We release one at a time. It is this
loop that seems to occasionally snag in the ring. We are
thinking that we should remove the loop by cutting the
lanyard at launch time or wrapping the lanyard around the
pvc pipe instead of tying a loop. How do you do this?
On one occasion our load line was melted through by the
friction of the lanyard pulling past it. This is the time
that the sucker winds crept up on us and yanked the balloon
away. If it wasn't for the winds we would not have had the
problem.

It would seem to me that the problem with holding the load line to raise the balloon is the 15 pounds of pull from the balloon. You would definitely want to have your gloves on and if you accidentally lost you grip on the line it would yank the payloads off the ground and hopefully not break anything. The lanyards are a gentle way of raising the balloon, parachute, and capsules. The lifting force is divided among three line handlers.

Consider this for a solution:

Raise the balloon with the lanyards until the payload is suspended under the balloon. Hold onto the payload and remove the lanyards. Release the payload.

Comments?

2921. Re: Those troublemaking lanyards

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-26 20:59:33 UTC
From: n1ltv
Topic: 2885 Message: 2921

>EOSS has good luck with their methodology, and we'll see a
>demo of it at GPSL 2002. Maybe after seeing it done I'll
>be more apt to try it.

I forgot that EOSS will be coming to Ozland to launch.
That should be good. There will be a high lanyard to
no-lanyard ratio that day.

2922. pictures of a launch without lanyards

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-26 21:10:20 UTC
From: n1ltv
Topic: 2885 Message: 2922

http://www.eoss.org/ansrecap/One_to_Thirty/recap26.htm

That's one page, but I think there is something better.
There are a lot of launches to sift through looking
for pictures. No separate picture section.

2923. Lanyards

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-26 22:28:38 UTC
From: Craig Brunson
Topic: 2923 Message: 2923
Attachments: 1 described; binary payloads are missing from this source WARC

We just did a launch Thursday using lanyards to raise the tow balloon & parachute up. We had the tracking/telemetry payload below the chute & everything tied down with sandbags (the first lanyard was removed as soon as the sandbags were attached). After getting outside the hangar, we attached
a 16' super pressure balloon under the payload and a final transponder/strobe module on the bottom. We used a second lanyard to raise everything up & held the bottom module by hand. It was walked to the center of the launch area and released.

Attached is a photo inside the hangar with the lanyards attached. When I get the next roll processed, I should have outside shots of the second lanyard.

I also scanned in a shot showing the balloon at the door if anyone wants it.

This balloon went to 69,000' and floated around 14 hours, until we cut it down around 10:30 pm. All was recovered & returned to Tillamook.

Craig
N7TSZ

2924. Re: [tvnsp] Re: Those troublemaking lanyards

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-27 02:46:03 UTC
From: Zack Clobes
Topic: 2885 Message: 2924

We lost our first balloon of the season because we tried to launch without lanyards. The wind caught the balloon and snapped our 50lb weak link. Granted, it was a windy morning, but the lanyards would have at least given us a shot at getting it in the air.

Of those who are not using lanyards, how many have the 50lb test line in series? It seems like EOSS flies mainly big packages which do not require a 50lb link (just cutdowns).

Zack Clobes, W0ZC
Project: Traveler
----- Original Message -----
From: n1ltv
To: tvnsp@yahoogroups.com
Sent: Sunday, May 26, 2002 3:19 PM
Subject: [tvnsp] Re: Those troublemaking lanyards

> We did the lanyards again for 02-C and had no problems.

Do you really think they serve much of a purpose, Mark?

They have been the cause of several substantial mishaps.
Has their use perhaps avoided mishaps that would have
otherwise occurred?

EOSS certainly has a very long record of trouble-free
launches that has to carry a lot of weight.

Hank

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2925. Re: [tvnsp] Flight Computer Log File

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-27 04:02:01 UTC
From: Jeff Melanson
Topic: 2879 Message: 2925

Zack,

You asked about a key to the Flight computer log. Your not being ignored. Paul doesn't have email at home. When he gets back to work and sorts through all this email he hasn't seen yet I'm sure he'll tell us what the numbers mean.

Jeff
KD7INN

2926. Re: [tvnsp] Balloon photos question

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-27 04:49:43 UTC
From: Jeff Melanson
Topic: 2906 Message: 2926

Justin,

There are only 33 pictures. The flight computer log that Mike posted is supposed to show how many pictures were taken and the altitude they were taken at. Using the time from the log we could compare this to an APRS log to get Lat and Lon. The first number in each log entry is the log number. There are 137 log entries. The second number in the log is the time. The fourth number is the altitude in meters. Multiply meters by 3.28 to convert to feet. The picture number is the three digit number toward the end of each entry. The first two digits is the picture number. The third digit indicates whether or not the picture was taken at that time. If it is a 1 then the picture was taken at that time. If it is a 0 then no picture was taken at that time. For example if the number is 121 then picture number 12 was just taken. If the number is 120 then no picture was taken. The picture number advances when the next picture is taken. The first picture number is 02. I don't know why the count jumps from 02 to 11 between log entry numbers 25 and 26. Perhaps there's some missing entries. The last picture number in the log is 34. I also don't know what the rest of the numbers in the log mean. Paul will have to explain these other numbers and why the picture count looks strange. Once we know that information anyone can make a list showing the picture count, lat, lon, altitude, time, etc. Mike Garske made the last list for the previous pictures. Someone else can take a turn at it. Paul will be busy this week preparing his capsule and parachute for GPSL 2002. He needs to have it ready before he goes on vacation.

Hope this helps.

Jeff
KD7INN

kd7pit wrote:
>
> I noticed that on the back of the photos Paul had developed, they
> are numbered from 1 to 33 but if my memory serves me, wasn't there 34
> frames shot by the camera? Did the last frame jam and didn't take a
> picture but the camera said it did anyways?
> I was also wondering if Paul can determine, using the flight
> data, the time, altitude and lat/long of each picture that was
> taken. I'd like to label each photo with the info. Thanks
>

> ...As an after-thought, I take it I won't be getting my budget 9V
> battery back any time soon huh? I'll just have to get some more :)
>
> Justin, KD7PIT
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

2927. Re: [tvnsp] Re: Those troublemaking lanyards

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-27 05:51:06 UTC
From: Bill Herrmann
Topic: 2885 Message: 2927

At 02:18 PM 5/26/02 -0600, you wrote:
>We are thinking that we should remove the loop by cutting the
>lanyard at launch time or wrapping the lanyard around the
>pvc pipe instead of tying a loop. How do you do this?

As long as we're using a piece of pipe rather than a crescent wrench we should be able to have the best of both. A simple clovehitch around the pipe should provide a know that can be released but still leave smooth line to go through the ring.

Note: We should also make sure that the plastic kite winders are NOT tied to the end of the string. I suspect that they unwind to the end in flight and if they weren't tied on there would be nothing left to snag anything. It might also be wise to station somebody with a cutting implement near the line handler.

>It would seem to me that the problem with holding the load
>line to raise the balloon is the 15 pounds of pull from the
>balloon.

...and potentially more than that as illustrated by the picture Hank referenced. I had to chuckle at that picture because it would have been comparatively trivial to launch in that situation with a lanyard...

>Raise the balloon with the lanyards until the payload is
>suspended under the balloon. Hold onto the payload and
>remove the lanyards. Release the payload.

I think this would be very doable in calm winds. It has the same problem as illustrated in that picture in stronger winds. We've talked about a couple ways to drop the lanyards rather than let them pull through. I, for one, think it's time to try them.

Bill

2928. Re: [tvnsp] Group Photo

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-27 14:44:43 UTC
From: Randy Farley
Topic: 2880 Message: 2928

Ben is bright young man and very energetic. It was a pleasure to have him along with the group. He was in there like a trooper after recovery diagnosing,prognosing,and BSing with the best of us. Hope he gets into the hobby with his friend Justin KD7PIT another great youngin.

Hey Justin, keep pushing Bens's buttons and get him into the hobby!!!

Thanks everyone for watching,offering ideas and scenarios.

This is what the hobby is about.

--
Regards,

Randy Farley
N7GPS -Ham Call-
Find Me at: http://map.findu.com/n7gps*

2929. Re: Those troublemaking lanyards

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-27 15:02:50 UTC
From: n1ltv
Topic: 2885 Message: 2929

>The wind caught the balloon and snapped our 50lb weak link.
>Granted, it was a windy morning, but the lanyards would have
>at least given us a shot at getting it in the air.

>Of those who are not using lanyards, how many have the 50lb
>test line in series? It seems like EOSS flies mainly big
>packages which do not require a 50lb link (just cutdowns).

Mike Manes just had something revealing to say about that
subject too. I'll repost it here.

It might be good to mention what has become the only
nongroup specific mailing list in existence at the
moment. I'd like to urge all on this list to consider
tuning in to it for general dicsussions about balloon
issues that pertain to all of us.

It's called balloons-rockets (rocket messages are
basically never posted) located at

http://mailman.qth.net

You can check out the postings without even subscribing.

Hank

2930. Re: Those troublemaking lanyards

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-27 15:04:47 UTC
From: n1ltv
Topic: 2885 Message: 2930

> EOSS certainly has a very long record of trouble-free
> launches that has to carry a lot of weight.
>
> Hank

I meant the success record has to carry a lot
of weight.

2931. Re: [tvnsp] Status, 25 May

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-27 15:05:06 UTC
From: Randy Farley
Topic: 2883 Message: 2931

You and Deb missed a fun flight except for the accelerated
re-entry.

Yea,i thought something was wrong when i visually watched the
balloon burst (a first for me). I ran back to the latpop in the
pickup and noticed it had fallen from burst altitude to 58,000ft.
in less than a minute. Everyone said that was "natural", little
did we know ;(

I thought i heard someone shouting ;) Maybe it was someone watching
over us. If the parachute had worked, we may have been doing some rock
and/or tree climbing in the Lowman area.

Anyway, glad you could watch.

John Knapp wrote:
>
> Wish I was with you. Deb and I watched the Internet
> postings of the flight since right after launch. It
> was almost in slow motion until the descent started
> then wow, it wanted to come home. Couldn't believe how
> fast it was descending.
>
> As the casules headed for Emmett I was trying to tell
> you where to head and some short cuts to take, but,
> alas you couldn't hear my shouting.
>
> Glad you were able to recover the remains of the
> capsules. Paul, you should check to see if you have
> the fastest decent.
>
> JohnK
>
> --- verhap@... wrote:
> > I'll edit the data file a bit and post the results
> > in a day or two. At
> > lunch I was able to load a program into the flight
> > computer and
> > retrieve the flight data from the flight data
> > recorder. My capsule,
> > Kepler II, appears to be working. I have a cracked
> > airframe, but
> > everything else appears to be working. The APS
> > camera has a
> > dinged corner that appears not to effect it,
> > functionally. The

> > external experiments were recovered on one piece,
> > and may be
> > fine, also. I believe the capsule stopped
> > transmitting data because
> > the TNC battery pulled lose.
> >
> > The parachute and shrouds ripped off the capsules.
> > It was
> > suggested that the parachute opened at high speed
> > and the snatch
> > ripped it off. The lanyard is visible in every
> > picture but the last, so it
> > may have twisted around the parachute during the
> > ascent,
> > preventing the parachute from opening.
> >
> > It was an easy launch, chase, and recovery.
> >
> > Paul
> >
>
> ~~~~~~
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> http://fifaworldcup.yahoo.com
>
>
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>
>
>
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--
Regards,

Randy Farley
N7GPS -Ham Call-
Find Me at: http://map.findu.com/n7gps*

2932. Re: seeing the balloon burst

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-27 15:17:25 UTC
From: n1ltv
Topic: 2883 Message: 2932

> Yea,i thought something was wrong when i visually watched the
> balloon burst (a first for me).

Randy,

Were you looking almost straight up then?

How did it look? Was it tiny and hard to see against
the sky or not too hard to see.

Do people have binoculars or small scopes with them
to help spot the balloons?

Hank

2933. Re: [tvnsp] Re: Group Photo

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-27 15:16:41 UTC
From: Randy Farley
Topic: 2880 Message: 2933

We were thinking more in terms of forensic science techniques of
recovery. Our famous "moonscape" type soils tend to be harder on foam
than your beutiful loam soils. We were invisioning micro foam and
plastic dust,
but it turned out better than expected.

Do we win the best free-fall award in the record books yet?

--
Regards,

Randy Farley
N7GPS -Ham Call-
Find Me at: http://map.findu.com/n7gps*

2934. EOSS does it perfect without lanyards

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-27 15:25:59 UTC
From: n1ltv
Topic: 2885 Message: 2934

> illustrated by the picture Hank
> referenced. I had to chuckle at that picture because it would
> have been comparatively trivial to launch in that situation
> with a lanyard...

Ah, but that's the irony. EOSS can chuckle back with the
last chuckle because they have a perfect 56/56 recovery
ratio.

I'm reminded of the old adage about "the proof is in the
pudding."

Hank

2935. Re: [tvnsp] Re: seeing the balloon burst

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-27 15:37:52 UTC
From: Jeff Melanson
Topic: 2883 Message: 2935

We watched the balloon without binoculars. It was just under 80,000 ft and approximately 12 to 14 miles away and getting closer. It was southwest of us. The balloon appeared as a bright white dot. When it burst the bright dot faded to dim white then disappeared. The dim white had to be the pieces of balloon and talcum powder. I wish I was watching with binoculars but it was really neat to see anyway.

Jeff
KD7INN

n1ltv wrote:
>
> > Yea,i thought something was wrong when i visually watched the
> > balloon burst (a first for me).
>
> Randy,
>
> Were you looking almost straight up then?
>
> How did it look? Was it tiny and hard to see against
> the sky or not too hard to see.
>
> Do people have binoculars or small scopes with them
> to help spot the balloons?
>
> Hank
>
>
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2936. Re: [tvnsp] Re: seeing the balloon burst

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-27 15:41:50 UTC
From: Jeff Melanson
Topic: 2883 Message: 2936

Hank,

It was about a 50-55 degree angle. It was hard to find it
but after yo locate it was easy to see.

Jeff

n1ltv wrote:
>
> > Yea,i thought something was wrong when i visually watched the
> > balloon burst (a first for me).
>
> Randy,
>
> Were you looking almost straight up then?
>
> How did it look? Was it tiny and hard to see against
> the sky or not too hard to see.
>
> Do people have binoculars or small scopes with them
> to help spot the balloons?
>
> Hank
>
>
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2937. Mike Manes on line strength; must read for loophole navigators

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-27 15:44:15 UTC
From: n1ltv
Topic: 2937 Message: 2937

The following is a message to Pierre whose New York HamBONE launch (at almost the same time as Saturday TVNSP) lost a GPS module with transmitter.

An experimental VOR based positioner (a world first as far as I know) rode with the balloon to burst over Connecticut.

Both packages are unrecovered as of today. The story on the "close but no cigar" recovery attempt for the conventional GPS module is particularly vexing. Pierre got to within hundreds of feet of the payload, was getting strong GPS packet bursts from the payload on the ground, but had a laptop battery go dead so he had to make the 1 hour drive back home without a recovery. The immediate area is a walled private estate and horse fields. This is one of the differences with eastern balloon work: even many rural areas are settled.

You can read about that and see maps by going to the yahoogroup "ham-bone."

Incidentally, this Mike Manes message also shows that EOSS probably owns the record for fastest descent.

Hank

Mike Manes:

Rotten luck! Dang! We've had a couple of "independent descents" as well, one from 80,000 ft in 4 minutes. Both were recovered via 2m DF, however. Have you figured out how the payload broke free? If you were using 50 lb tensile line in an effort to conform to FAR 101, then there's the rub. I think Paul Verhage said he had a 50 lb line fail during one relatively modest launch.

Note that the FAR uses the term "impact strength", which allows for use of 250 lb or stronger line, assuming that "impact" means something on the order of a 20 G acceleration of a 6 + 6 lb payload. The idea is for the line to snap if an aircraft hits it, and that will produce a whole lot more than 20 G's!

2938. Re: [tvnsp] Re: Those troublemaking lanyards

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-27 15:49:27 UTC
From: Randy Farley
Topic: 2885 Message: 2938

Jeff

That idea is so simple,i love it. That will alow us to pull the whole package back down if the lanyard would hang up.

That idea is nicer than mine.
Just have 9mm ready to burst the balloon ;)

Jeff Melanson wrote:
>
> Mark,
>
> We have used a loop at the end of our lanyards that slip
> over the end of a piece of PVC pipe to hold the lines until
> it's time to release. We slip the loop off the end of the
> pipe to release it. We release one at a time. It is this
> loop that seems to occasionally snag in the ring. We are
> thinking that we should remove the loop by cutting the
> lanyard at launch time or wrapping the lanyard around the
> pvc pipe instead of tying a loop. How do you do this?
> On one occasion our load line was melted through by the
> friction of the lanyard pulling past it. This is the time
> that the sucker winds crept up on us and yanked the balloon
> away. If it wasn't for the winds we would not have had the
> problem.
>
> It would seem to me that the problem with holding the load
> line to raise the balloon is the 15 pounds of pull from the
> balloon. You would definitely want to have your gloves on
> and if you accidentally lost you grip on the line it would
> yank the payloads off the ground and hopefully not break
> anything. The lanyards are a gentle way of raising the
> balloon, parachute, and capsules. The lifting force is
> divided among three line handlers.
>
> Consider this for a solution:
>
> Raise the balloon with the lanyards until the payload is
> suspended under the balloon. Hold onto the payload and
> remove the lanyards. Release the payload.
>
> Comments?
>
>
> To unsubscribe from this group, send an email to:
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>
>
>
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--
Regards,

Randy Farley
N7GPS -Ham Call-
Find Me at: http://map.findu.com/n7gps*

2939. Re: seeing the balloon burst

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-27 15:54:41 UTC
From: n1ltv
Topic: 2883 Message: 2939

> We watched the balloon without binoculars. It was just under
> 80,000 ft and approximately 12 to 14 miles away and getting
> closer. It was southwest of us. The balloon appeared as a
> bright white dot. When it burst the bright dot faded to dim
> white then disappeared. The dim white had to be the pieces
> of balloon and talcum powder.

Jeff,

That's amazing that you could even discern the
"afterburst."

As far as seeing a sight like that, I feel a lot like
the people who would like to see a twister once in
their life. You know the people who travel to Oklahoma
and Kansas and sign up for one of those tornado
chasing tours.

Well I'd like to at least once get to see something
like you described.

I can't understand why there is so little interest in
ballooning, especially in the East. I send out posts
to many email lists about launches in the northeast,
and people are reading the posts, it's just that they
don't really care.

Hank

2940. Re: Those troublemaking lanyards

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-27 16:04:29 UTC
From: n1ltv
Topic: 2885 Message: 2940

>> Consider this for a solution:
> >
> > Raise the balloon with the lanyards until the payload is
> > suspended under the balloon. Hold onto the payload and
> > remove the lanyards. Release the payload.

How is it done now? Do you have the loadline unattended
and release from the lanyards? I would have thought you'd
release at the very last minute from the loadline, but
I guess not.

If the release is from the lanyards, is it one lanyard
at a time or all at once?

I'd like it if TVNSP could do a movie of the launch
procedure as currently practiced.

And what about those kite winders? Are those really
necessary?

Hank

2941. Watching the balloon burst

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-27 16:09:03 UTC
From: Mark Conner
Topic: 2941 Message: 2941

I agree with Hank that it's one of those sights that hooks you for life.

The most spectacular one in my memory is one of Paul's KNSP launches (98F). This was a pre-dawn launch, so at burst the balloon was sunlit but the sun had not yet risen at the surface. We were looking nearly south and up at about a 60 degree angle to the balloon, so the sky was rather dark behind the balloon. The balloon was probably 3-4 magnitudes brighter than Venus. In ordinary 7x50 binoculars the balloon and payloads could clearly be seen. I happened to be looking at the balloon when it burst and I could see the payloads fall away, the chute start to open, the cloud of talc and latex shards remaining behind, etc. Spectacular.

On most flights with clear skies, the balloon can be seen in daylight, provided you know where to look. Thin cirrus can make it nearly impossible though. In daylight the balloon burst looks like a star fading out, but if the orientation to the sun is favorable and the sky is clear, you can see the talc/shards too.

This, combined with being in position to catch one of the NSBG payloads (I didn't catch it because I was too busy with the camera), can get you hooked in a hurry.

73 de Mark N9XTN

2942. solutions to snagging problems with lanyards

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-27 16:09:09 UTC
From: n1ltv
Topic: 2885 Message: 2942

How about using a bigger diameter ring to avoid snagging?

How about using two rings, one for the payload line and
a separate one *just* for the lanyards. This should all
but eliminate problems with the lanyards chaffing
the payload line.

Hank

2943. Re: [tvnsp] Lanyards

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-27 16:11:13 UTC
From: Tim Rynearson
Topic: 2923 Message: 2943
Attachments: 2 described; binary payloads are missing from this source WARC

Hey, I know that hangar, I think....what a GREAT facility to prepare and launch a balloon from. Isn't that the HUGE dirigible hangar outside Tillamook ? For those going to Seaside and interested in aviation in any way I'd recommend going there just to be awestruck at its immense size, if nothing else.

Tim, N7UBO

-------Original Message-------

From:tvnsp@yahoogroups.com
Date: Sunday, May 26, 2002 04:25:49 PM
To:tvnsp
Subject: [tvnsp] Lanyards

We just did a launch Thursday using lanyards to raise the tow balloon & parachute up. We had the tracking/telemetry payload below the chute & everything tied down with sandbags (the first lanyard was removed as soon as the sandbags were attached). After getting outside the hangar, we attached
a 16' super pressure balloon under the payload and a final transponder/strobe module on the bottom. We used a second lanyard to raise everything up & held the bottom module by hand. It was walked to the center of the launch area and released.

Attached is a photo inside the hangar with the lanyards attached. When I get the next roll processed, I should have outside shots of the second lanyard.

I also scanned in a shot showing the balloon at the door if anyone wants it.

This balloon went to 69,000' and floated around 14 hours, until we cut it down around 10:30 pm. All was recovered & returned to Tillamook.

Craig
N7TSZ

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2944. Re: Watching the balloon burst

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-27 16:14:42 UTC
From: n1ltv
Topic: 2941 Message: 2944

> The balloon was probably 3-4 magnitudes brighter than Venus.
> In ordinary 7x50 binoculars the balloon and payloads could
> clearly be seen. I happened to be looking at the balloon
> when it burst and I could see the payloads fall away, the
> chute start to open, the cloud of talc and latex shards
> remaining behind, etc. Spectacular.

Mark,

Thanks for posting your account!

Absolutely mind-boggling. I didn't think it would be
possible to make out a payload and parachute with such
low magnification.

WOW.

Hank

2945. Re: [tvnsp] Re: Those troublemaking lanyards

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-27 16:14:09 UTC
From: Randy Farley
Topic: 2885 Message: 2945

Vigilance is the Keyword from your post Mark. We discussed having
a cutting dice available to at least get that hand winder free if
we get a hangup.
I still do not like the idea of dangling line of any kind after
launch.
That is why cutting away that bursted balloon makes such a nice slow
rotating capsule in my opinion.
It is another uncontrolled variable "gotcha" waiting to happen.

With Jeffs idea or others that will surely follow, we need to get the
package back on the ground and get that excess baggage off the
parachete
ring. If we wanted a dangling line we would have designed it into to
the experiment.

Yes the lanyard method is a proven good way to do it,we just need to
abort when things are not right.

--
Regards,

Randy Farley
N7GPS -Ham Call-
Find Me at: http://map.findu.com/n7gps*

2946. Re: Tillamook hangar

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-27 16:16:43 UTC
From: n1ltv
Topic: 2923 Message: 2946

Tim,

Do you know the history of the hangar?

Hank

2947. Re: [tvnsp] Lanyards

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-27 16:17:38 UTC
From: Randy Farley
Topic: 2923 Message: 2947

Craig

I want it.
Ya can't get too many ideas in my opinion.
BTW, i like you guys cool jumpsuits or overalls.
Hey Paul, where are ours :)

Craig Brunson wrote:
>
> We just did a launch Thursday using lanyards to raise the tow balloon &
> parachute up. We had the tracking/telemetry payload below the chute &
> everything tied down with sandbags (the first lanyard was removed as soon
> as the sandbags were attached). After getting outside the hangar, we
> attached
> a 16' super pressure balloon under the payload and a final
> transponder/strobe module on the bottom. We used a second lanyard to raise
> everything up & held the bottom module by hand. It was walked to the
> center of the launch area and released.
>
> Attached is a photo inside the hangar with the lanyards attached. When I
> get the next roll processed, I should have outside shots of the second
> lanyard.
>
> I also scanned in a shot showing the balloon at the door if anyone wants
> it.
>
> This balloon went to 69,000' and floated around 14 hours, until we cut it
> down around 10:30 pm. All was recovered & returned to Tillamook.
>
> Craig
> N7TSZ
>
>
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>
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>
> --
> Name: 129-01a.jpg
> 129-01a.jpg Type: GIF Image (image/gif)
> Encoding: base64

--
Regards,

Randy Farley
N7GPS -Ham Call-
Find Me at: http://map.findu.com/n7gps*

2948. Re: [tvnsp] Re: Tillamook hangar

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-27 16:53:49 UTC
From: Tim Rynearson
Topic: 2923 Message: 2948
Attachments: 2 described; binary payloads are missing from this source WARC

Hank,
Yes, I've been there and have the pamphlet around here somewhere that goes thru the history of that hangar (and the other one that burned). IMHO, it was VERY impressive and informative to visit.

-------Original Message-------

From:tvnsp@yahoogroups.com
Date: Monday, May 27, 2002 10:16:33 AM
To:tvnsp@yahoogroups.com
Subject: [tvnsp] Re: Tillamook hangar

Tim,

Do you know the history of the hangar?

Hank

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.

2949. Re: [tvnsp] Re: seeing the balloon burst

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-27 16:55:17 UTC
From: Randy Farley
Topic: 2883 Message: 2949

Hank,

It was one of those "WOW" experiences for me anyway.
I had no idea you could really see a balloon of that
size and at that height.

n1ltv wrote:

> Randy,
>
> Were you looking almost straight up then?

Actually we were looking at about a 1-2 O'clock
angle to the horizon since we were still in
Emmet,Id at a local gas station.
The tracking report from "Peedy", my
report announcing parrot said it was 18.5 miles
away. BTW, this text to speech feature of APRSplus
is very handy for lone chasers. You can listen to
the action while driving. It announces the
bearing,speed,altidude,distance form object and callsigns.
I do not need to look at the maps until we pull over.

> How did it look? Was it tiny and hard to see against
> the sky or not too hard to see.

Once you located it, it was easy to see. The young
guys with good eyes spotted it and pointed it out to me.
I used a overhead power line and ground spot to reference
from quickly when i looked away to rest my eyes.
It was very white against a beutiful blue Idaho sky.
AS it burst, it was like watching a star
twinkle from the atmospheric dust. It seemed to take
actually a few hundred milliseconds for it dissapear.
It actually (to me) appeared to get smaller in that time frame
i described above. Probably my eyes and brain playing
tricks on me.I know the burst had to be instantaneous instead of
a slow deflation process.
>
> Do people have binoculars or small scopes with them
> to help spot the balloons?
>

Yes we had a couple of people with binocs.
Wished we had a telescope handy, that would have been awsome.
I have more ammunition to warrant me buying a good spotting
scope now ;)

> Hank
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
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--
Regards,

Randy Farley
N7GPS -Ham Call-
Find Me at: http://map.findu.com/n7gps*

2950. Re: [tvnsp] Lanyards

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-27 16:55:43 UTC
From: Tim Rynearson
Topic: 2923 Message: 2950
Attachments: 2 described; binary payloads are missing from this source WARC

I, too, would like to see the balloon at the door.

Tim

-------Original Message-------

From:tvnsp@yahoogroups.com
Date: Sunday, May 26, 2002 04:25:49 PM
To:tvnsp
Subject: [tvnsp] Lanyards

We just did a launch Thursday using lanyards to raise the tow balloon &
parachute up. We had the tracking/telemetry payload below the chute &
everything tied down with sandbags (the first lanyard was removed as soon
as the sandbags were attached). After getting outside the hangar, we
attached
a 16' super pressure balloon under the payload and a final
transponder/strobe module on the bottom. We used a second lanyard to raise
everything up & held the bottom module by hand. It was walked to the
center of the launch area and released.

Attached is a photo inside the hangar with the lanyards attached. When I
get the next roll processed, I should have outside shots of the second
lanyard.

I also scanned in a shot showing the balloon at the door if anyone wants
it.

This balloon went to 69,000' and floated around 14 hours, until we cut it
down around 10:30 pm. All was recovered & returned to Tillamook.

Craig
N7TSZ

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2951. Re: [tvnsp] solutions to snagging problems with lanyards

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-27 17:01:23 UTC
From: Jeff Melanson
Topic: 2885 Message: 2951

Hank,

The load line is attached directly to the balloon and does not attach to the ring. If I remember right the ring is two inches in diameter. The only time the load line gets damaged is if the lanyard gets wrapped around the load line. This is usually associated with windy conditions and doesn't normally happen. If we pay careful attention to this we can unwind any tangle by moving the line handlers around to unwrap it.
Two lanyards are passed through the ring. On line handler has the ends of both lanyards. The other two line handlers have one end of each lanyard with the kite winder. The kit winder is used to slowly raise the balloon. The load line lifts the parachute off the ground. As the parachute rises the shroud lines lift the two payloads. The load line and parachute are well above our heads and out of reach. We control the payloads and place them directly under the balloon. If everyone is satisfied that all is well we remove one lanyard. It is the line handler that is holding both ends that does this. He/she releases one line and the appropriate line handler pulls the lanyard out. Then we release the second lanyard. The balloon starts to rise as the lanyard pulls through he ring. My suggestion is that we hold onto the payload until the second lanyard is out of the ring then release it. A minor change that will work well in calm conditions.
What I have noticed is this: As the first lanyard is removed the end (which has the loop on it) sometimes snags as it pulls through the ring. The second lanyard does the same thing. Unfortanetally on two occasions it hung up and the line handler had to let it go. We let go for two reasons. To prevent damage to the load line from any possible tangles and to prevent injury to the line handler. If there is a slight breeze that can be quite a tug-a-war for the line handler to try to hang on.
I may have a video that shows this process. I'll view it and see if it's there. If I remember right the video was taken on one of the occassions when a lanyard snagged and went with the balloon.
If you will be at the GPSL you will also see how this is done.

Jeff
KD7INN

n1ltv wrote:
>
> How about using a bigger diameter ring to avoid snagging?
>
> How about using two rings, one for the payload line and
> a separate one *just* for the lanyards. This should all
> but eliminate problems with the lanyards chaffing
> the payload line.
>
> Hank
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

2952. Re: [tvnsp] Lanyards

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-27 17:06:00 UTC
From: Craig Brunson
Topic: 2923 Message: 2952
Attachments: 2 described; binary payloads are missing from this source WARC

Here is the second photo. I should be getting the second roll processed today.

We used a second ring at the two places we used lanyards. This is to keep away from any lines that support the flight train. It does add weight to it, but not enough to worry about.

Craig
----- Original Message -----
From: Tim Rynearson
To: tvnsp@yahoogroups.com
Sent: Monday, May 27, 2002 9:55 AM
Subject: Re: [tvnsp] Lanyards

_____I, too, would like to see the balloon at the door.

Tim

-------Original Message-------

_____

2953. lanyard attachment and other details

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-27 17:09:10 UTC
From: n1ltv
Topic: 2885 Message: 2953

> The load line is attached directly to the balloon and does
> not attach to the ring.

Jeff,

Okay, I thought from comments Mark has made in the past
one ring held all his lines. Maybe he in fact does his
NSTAR that way. We'll soon hear from him.

He sent me a tape a ways back of an NSTAR launch but the
fine details of the lanyard procedure are not too clear
from viewing the tape.

Thanks for spelling out the details. I have a totally
clear picture now of how KNSP does it .

Hank

2954. Re: [tvnsp] Lanyards

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-27 17:12:35 UTC
From: Craig Brunson
Topic: 2923 Message: 2954
Attachments: 2 described; binary payloads are missing from this source WARC

Check out this web site & the link to the photos at the bottom. There is an aerial view of the hangar from the glider NASA flew.
http://amesnews.arc.nasa.gov/releases/2001/01_58AR.html

Also, the site for the museum is http://www.tillamookair.com/

Craig
----- Original Message -----
From: Tim Rynearson
To: tvnsp@yahoogroups.com
Sent: Monday, May 27, 2002 9:11 AM
Subject: Re: [tvnsp] Lanyards

Hey, I know that hangar, I think....what a GREAT facility to prepare and launch a balloon from. Isn't that the HUGE dirigible hangar outside Tillamook ? For those going to Seaside and interested in aviation in any way, I'd recommend going there just to be awestruck at its immense size, if nothing else.

Tim, N7UBO

-------Original Message-------

_____
IncrediMail - Email has finally evolved - Click Here

2955. Re: [tvnsp] lanyard attachment and other details

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-27 17:18:33 UTC
From: Mark Conner
Topic: 2885 Message: 2955

For NSTAR, we do not attach the load line to the ring. Only the lanyards go through the ring. The load line ties off the balloon neck and hangs separately (though often it does go past the ring).

- Mark
----- Original Message -----
From: n1ltv
To: tvnsp@yahoogroups.com
Sent: Monday, May 27, 2002 12:09
Subject: [tvnsp] lanyard attachment and other details

> The load line is attached directly to the balloon and does
> not attach to the ring.

Jeff,

Okay, I thought from comments Mark has made in the past
one ring held all his lines. Maybe he in fact does his
NSTAR that way. We'll soon hear from him.

He sent me a tape a ways back of an NSTAR launch but the
fine details of the lanyard procedure are not too clear
from viewing the tape.

Thanks for spelling out the details. I have a totally
clear picture now of how KNSP does it .

Hank

2956. Re: [tvnsp] lanyard attachment and other details

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-27 17:30:05 UTC
From: Doug Eubanks
Topic: 2885 Message: 2956

As I have been reading along, I remember vividly the mishap that NSTAR narrowly averted the end of March when the lanyards burned through the load line. I feel that the lanyards are necessary to maintain control of the balloon, and using the load line to launch is only a viable option in absolutely calm conditions.

That said, would a short section, only say 6" to 12", from the balloon neck down be something that the load lines cannot burn through. Say thin cable? Then the lanyards, if they did rub it as they passed through the ring, could not hurt it. The the load line would attach to the cable.

Just my 2 cents worth thrown into the pot.

Doug, KAØO
NSTAR Groupie
----- Original Message -----
From: Mark Conner
To: tvnsp@yahoogroups.com
Sent: Monday, May 27, 2002 12:18 PM
Subject: Re: [tvnsp] lanyard attachment and other details

For NSTAR, we do not attach the load line to the ring. Only the lanyards go through the ring. The load line ties off the balloon neck and hangs separately (though often it does go past the ring).

- Mark
----- Original Message -----
From: n1ltv
To: tvnsp@yahoogroups.com
Sent: Monday, May 27, 2002 12:09
Subject: [tvnsp] lanyard attachment and other details

> The load line is attached directly to the balloon and does
> not attach to the ring.

Jeff,

Okay, I thought from comments Mark has made in the past
one ring held all his lines. Maybe he in fact does his
NSTAR that way. We'll soon hear from him.

He sent me a tape a ways back of an NSTAR launch but the
fine details of the lanyard procedure are not too clear
from viewing the tape.

Thanks for spelling out the details. I have a totally
clear picture now of how KNSP does it .

Hank

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2957. Re: [tvnsp] lanyard attachment and other details

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-27 17:47:00 UTC
From: Jeff Melanson
Topic: 2885 Message: 2957

Doug,

I like the idea of a no burn section. What about a different kind of string that doesn't have a problem with melting due to friction? It just needs to meet the same requirements as the load line. Perhaps it can replace the full length of the load line. That way there's no extra attatchments to make.

Jeff
KD7INN

2958. Re: [tvnsp] Re: Group Photo

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-27 20:38:46 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2880 Message: 2958

> Ah, those are the "after" pictures. When I first saw them, I thought they were "before". I figured "after" would have involved a stick and a spoon for recovery implements.

I'll be sending a picture of me at Meteor Crater and calling that the landing site of the capsules.

Paul

2959. Re: [tvnsp] Status, 25 May

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-27 20:41:13 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2883 Message: 2959

> Was this an internal TNC 9 volt lithium battery? I put some extra foam in
> my TNCs to secure the batteries, but I've never tested this at 73.5 mph
> (my closest guess at impact speed). Anyone have a better idea what the
> impact velocity was?

45 mph.

Paul

2960. Re: [tvnsp] Balloon photos question

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-27 20:45:27 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2906 Message: 2960

> ...As an after-thought, I take it I won't be getting my budget 9V
> battery back any time soon huh? I'll just have to get some more :)

Justin, your battery is safe. I checked it's voltage, it was at 8.54
volts. Not bad for a carbon-zinc.

Paul

2961. Re: [tvnsp] Lanyards

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-27 20:58:50 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2923 Message: 2961

> Hey, I know that hangar, I think....what a GREAT facility to prepare and
> launch a balloon from. Isn't that the HUGE dirigible hangar outside
> Tillamook ? For those going to Seaside and interested in aviation in any way
> I'd recommend going there just to be awestruck at its immense size, if
> nothing else.

It's already used by a professional balloon organization.

Paul

2962. Re: [tvnsp] Status, 25 May

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-27 20:22:20 UTC
From: Tony Barrett
Topic: 2883 Message: 2962

Why so slow? Isn't terminal velocity around 120 mph?

Sounds like we think it burst before it was cut down, correct?

With no parachute, what limited the speed to 45 mph?

Do you still trust those radios after such a crash?

At 01:41 PM 5/27/02 -0700, you wrote:
> > Was this an internal TNC 9 volt lithium battery? I put some extra foam in
> > my TNCs to secure the batteries, but I've never tested this at 73.5 mph
> > (my closest guess at impact speed). Anyone have a better idea what the
> > impact velocity was?
>
>45 mph.
>
>Paul

2963. First Results

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-27 21:28:51 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2963 Message: 2963

I made copies of the graphs I put together from the flight data. I'll make several copies today and drop them off at Jeff's this afternoon. Jeff, please bring them to the next meeting. Included with the graphs are the measurements of the batteries and a log of altitdes the pictures were taken at. The first 10 pictures are estimated altitudes from Stephanie's log. There's also a page with the data stored in the TNC (the last record before I shut off the capsule). Bill, I have your photos. They cost $5. I have a 5' parachute at home. I'll use that at GPSL and keep my capsule down to a single module (or a second on carrying a few patches and a t-shirt). After I get back, I'd like to get the parachute from Mike and get it sewn.

First, the flight data recorder. Notice the file's first records have a time stamp of 15 hours, but after about 20 some-odd records, the time stamp changes to 13 hours. Upon impact, the flight computer restarted itself and began writing new records from the beginning. so the first 20 some-odds records have been overwritten by the landing. To get a more accurate flight log, cut the first set of records out and paste them at the end. When you do this, you'll see there's a 10 minute gap. This is because the flight computer remains in preflight mode for the first ten minutes.

I didn't bring a copy of the log to work today, so this is from memory. The data is formatted like this....

Record #,Time (UTC),Altitude (meters),Speed,Heading,ADC voltages(you want the first two),pictures,experiment results (RH and photometer).

I have yet to calibrate the RH sensor and the photometer suffers from pointing sensitivity. I'll play with those numbers later this week.

Second, lanyards.
We will not throw the capsule up in the air like the National Weather Service, period. The snatch of the balloon will damage the capsule and break load lines. When I first started in this business, I raised the balloon by it's load line. To see an example of that, see my article in, and the cover of, the Jan 1999 QST. That's a bad way to launch them also. The load line is very difficult to handle when the balloon is pulling up on it at 15 pounds. Also, if there's any wind, the balloon leans the load line into the wind, making the capsule swing like the pendulum that it is once you release it. The faster the wind, the faster you have to run when releasing the capsule. We will continue using lanyards to safely

raise the stack and gently release it. A suggestion has been made to modify the lanyard release mechanism. This we will do, but it may be as simple as covering the knots with heat shrink. I'll look into wrapping the lanyards on a rubber coated dowel. Finger pressure (with gloved hands) may be sufficient to hold the lanyards down. If a problem develops, then you need only release the handle and lanyard unwinds from the dowel. Without a weight on the end of the lanyard, it can't wrap around a parachute in the event that the lanyard decides to go on the ride to near space. The ultimate method is the one used by HABET. Their lanyards are cut at the balloon's neck with the cutdown device. I'll also try to design a simple method like this.

The lanyards are not a disaster waiting to happen, they are very effective and safe. But like any tool, they can cause problems if not used carefully. I have used them for about half of my flights with only two problems. Not a bad record.

Paul

2964. Re: [tvnsp] Status, 25 May

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-27 21:31:37 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2883 Message: 2964

> Why so slow? Isn't terminal velocity around 120 mph?

Terminal velocity depends on air density. As the capsule got
closer to the ground, it slowed down.

> Sounds like we think it burst before it was cut down, correct?

No. Thet were cutdown first. About one minute later, the balloon
burst. The balloon probably burst because the capsule dropped
away in a rather sudden fashion.

> With no parachute, what limited the speed to 45 mph?

Air and low density nature of the capsules.

> Do you still trust those radios after such a crash?

With my life.

Paul

2965. My Capsule

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-27 21:37:22 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2965 Message: 2965

All my electronics still work. There were a few cracks in the air frame. I used some hot melt glue and now the airframe is pretty close to what it was before the flight. I plan to use this capsule for the GPSL launch. I will run the capsule for about 4 hours this evening in a final test.

The camera is still functional and still responds to flight computer commands. I'll run a roll of film through it this evening and have it developed.

I need to make a new camera platform. The new one will be a scan platform so the flight computer can position the camera before taking a picture.

The antenna boom needs to be epoxied back on, otherwise, it's fine.

The internal temperature of the capsule didn't drop below below 40 F until just before balloon burst. The darker abrasion jacket appears to have kept the interior about 10 degrees warmer than the white jacket. This may explain why Justin's $1 battery did so well.

I can be ready to launch on Saturday.

Paul

2966. Other Results

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-27 21:43:59 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2966 Message: 2966

The stratosphere began at an altitude of 42,000 feet on Saturday. The part of the jetstream over Idaho had a peak wind speed of 45 mph and was over 10,000 feet thick (which is deeper than previous flights but with a lower speed). The interior of the capsule stayed significantly warmer than on previous flights. Even during descent, where wind chill has a profaound effect, the interior temperature didn't drop below freezing. The PGMRV sentences indicates the capsules fastest descent speed was 6100 feet/min. The GPGGA sentence indicates the fastest descent speed was 5500 fpm. The difference is that some GGA sentences are missing in logs whereas the flight data recorder records all data. The altitude graph is a bit steeper than usual during the descent.

Paul

2967. Re: [tvnsp] First Results

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-27 20:56:54 UTC
From: Doug Eubanks
Topic: 2963 Message: 2967

>>>BIG SISSORS>>>>
> may be as simple as covering the knots with heat shrink. I'll look
> into wrapping the lanyards on a rubber coated dowel. Finger
> pressure (with gloved hands) may be sufficient to hold the lanyards
> down. If a problem develops, then you need only release the
> handle and lanyard unwinds from the dowel.....>>>SNIP SNIP>>>>

I even wonder if the heat shrink might be prone to snagging.
But, instead of having loops in the end and holding them with a rod, wrench, or whatever,
you could have several wraps of both lanyards around the dowel without loops, knots, etc.
They they should slide through smoothly. Of course, something would have to be done the bare ends so they wouldn't unravel. But if you are using nylon lanyards you can heat the ends to fuse them together so they don't unravel.

Or, if you have loops in them, have both loops together on a rod or whatever, and the person
holding that could just wield a large pair of sissors to cut both lines at once. No knots etc,
and the unraveling should be minimal and tie a new loop in the end after launch for the next one.

A cut down device at the neck of the balloon would be great, but it would have to cut instantly on command, otherwise you would be waiting for it to release and might not be prepared or caught off balance when the balloon launched!

Doug

2968. Re: [tvnsp] Status, 25 May

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-27 22:26:17 UTC
From: Jeff Melanson
Topic: 2883 Message: 2968

Tony Barrett wrote:

> Do you still trust those radios after such a crash?

verhap@... wrote:

> With my life.

> Paul

I tested my radios at the recovery/crash site. They were still in the foam pallet package after the impact. They test good and I have no problem using them again. My TNC powers up but I need to do a little more testing and inspecting. The flight computer had three bent pins where some connectors were pulled off. These were easily straightened. It's also in good shape. My GPS is toast. I sent an email to Garmin and told them what happened. I gave them a link to the TVNSP web site so they can see what we do. I asked if they would repair it for the advertised $59.00. I'll let you know what they tell me.

Jeff
KD7INN

2969. Re: [tvnsp] Status, 25 May

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-27 22:25:59 UTC
From: Mark Conner
Topic: 2883 Message: 2969

Terminal velocity is also dependent on size, shape, and weight of the object falling. A man falling in the prone position (arched) has a terminal velocity of about 120 mph, but falling head-down it's closer to 180 mph - in the latter case the same weight has a smaller surface area for the atmosphere to drag against.

Parachute-borne objects have a terminal velocity too - it just produces a more survivable one.

73 de Mark N9XTN
----- Original Message -----
From: verhap@...
To: tvnsp@yahoogroups.com
Sent: Monday, May 27, 2002 16:31
Subject: Re: [tvnsp] Status, 25 May

> Why so slow? Isn't terminal velocity around 120 mph?

Terminal velocity depends on air density. As the capsule got
closer to the ground, it slowed down.

2970. Re: [tvnsp] Other Results

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-27 23:14:06 UTC
From: Tony Barrett
Topic: 2966 Message: 2970

... And an 11 minute descent gave it much less time to cool than a one hour descent.

Maybe it even heated they capsule by re-entry friction. ; -)

At 02:43 PM 5/27/02 -0700, you wrote:
>The stratosphere began at an altitude of 42,000 feet on Saturday.
>The part of the jetstream over Idaho had a peak wind speed of 45
>mph and was over 10,000 feet thick (which is deeper than previous
>flights but with a lower speed). The interior of the capsule stayed
>significantly warmer than on previous flights. Even during descent,
>where wind chill has a profaound effect, the interior temperature
>didn't drop below freezing. The PGMRV sentences indicates the
>capsules fastest descent speed was 6100 feet/min. The GPGGA
>sentence indicates the fastest descent speed was 5500 fpm. The
>difference is that some GGA sentences are missing in logs
>whereas the flight data recorder records all data. The altitude
>graph is a bit steeper than usual during the descent.
>
>Paul

2971. Re: [tvnsp] Status, 25 May

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-27 23:16:22 UTC
From: Tony Barrett
Topic: 2883 Message: 2971

Make sure they know about all the GPS units we buy to make up for the ones
we lose.

At 04:26 PM 5/27/02 -0600, you wrote:

>Tony Barrett wrote:
>
> > Do you still trust those radios after such a crash?
>
>verhap@... wrote:
>
> > With my life.
>
> > Paul
>
>I tested my radios at the recovery/crash site. They were
>still in the foam pallet package after the impact. They test
>good and I have no problem using them again. My TNC powers
>up but I need to do a little more testing and inspecting.
>The flight computer had three bent pins where some
>connectors were pulled off. These were easily straightened.
>It's also in good shape. My GPS is toast. I sent an email to
>Garmin and told them what happened. I gave them a link to
>the TVNSP web site so they can see what we do. I asked if
>they would repair it for the advertised $59.00. I'll let you
>know what they tell me.
>
>Jeff
>KD7INN

2972. Re: [tvnsp] Other Results

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-27 23:25:00 UTC
From: Tony Barrett
Topic: 2966 Message: 2972

Isn't 5280 feet / min. around 60 mph? Seems like more than 45 mph. And even 60 mph seems unreasonably slow to me (by about a factor of two), but then I don't have any data.

Isn't 79,000 feet about 15 miles up? I'll bet the crash site was less than a mile above MSL. So a 14 mile fall in what, 11 minutes, ... Isn't that closer to 75 mph? 6100 fpm is 69.3 mph. Still seems slow to me. If a prone man falls at 120 mph, or head down at 180 mph, and mass is not a factor, just drag (remember the experiment off the Leaning Tower of Pisa?) ... Guess I'm still questioning our data.
5500 fpm is 62.5 mph.

At 02:43 PM 5/27/02 -0700, you wrote:
>The stratosphere began at an altitude of 42,000 feet on Saturday.
>The part of the jetstream over Idaho had a peak wind speed of 45
>mph and was over 10,000 feet thick (which is deeper than previous
>flights but with a lower speed). The interior of the capsule stayed
>significantly warmer than on previous flights. Even during descent,
>where wind chill has a profaound effect, the interior temperature
>didn't drop below freezing. The PGMRV sentences indicates the
>capsules fastest descent speed was 6100 feet/min. The GPGGA
>sentence indicates the fastest descent speed was 5500 fpm. The
>difference is that some GGA sentences are missing in logs
>whereas the flight data recorder records all data. The altitude
>graph is a bit steeper than usual during the descent.
>
>Paul

2973. interpreting speed of descent

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-28 00:48:43 UTC
From: Hank Riley
Topic: 2973 Message: 2973
Attachments: 1 described; binary payloads are missing from this source WARC

Tony,

Taking the average speed from burst to ground will always
give a higher rate than the speed on approaching the
ground because parachute or no parachute, the payload
in thin air is booking.

It's easy to see with a graph. I've attached one I made
Saturday of the dropping payload.

The left hand red line is the descent speed at a high altitude.
The right hand is the descent speed close to the ground.
The green line is the average over the whole flight.

Actually, it's the slopes of these lines that are indicative
of speed. Notice how the green line is steeper than the right
hand red, but less steep than the left hand red?

That shows the relative sizes of the three types of speeds.
The peak speed at height is MANY times higher than the speed
of the payload as it hits the ground, and higher than the
average speed for the entire descent.

When I straighten out the graph I'll give specific numbers.

Hank

_____
MSN Photos is the easiest way to share and print your photos:
http://photos.msn.com/support/worldwide.aspx

2974. Re: [tvnsp] Other Results

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-28 01:08:16 UTC
From: Zack Clobes
Topic: 2966 Message: 2974

----- Original Message -----
From: verhap@...
To: tvnsp@yahoogroups.com
Sent: Monday, May 27, 2002 4:43 PM
Subject: [tvnsp] Other Results

whereas the flight data recorder records all data. The altitude
graph is a bit steeper than usual during the descent.

Paul
How's that for the understatement of the week? :-)
Zack

2975. Re: [tvnsp] Other Results

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-28 01:21:42 UTC
From: Zack Clobes
Topic: 2966 Message: 2975

Here's my data as I got it from Findu.com Saturday morning

Time Secs into Flight Alt (m) Rate (m/sec)
144959 6661 23354 210.36
145059 6721 23559 205.5
145158 6780 23749 192.92
145259 6841 23935 182.46
145359 6901 24121 186.8
145459 6961 21585 -2536.8
145558 7020 17735 -3915.05
145759 7141 12545 -2573.21
145859 7201 10827 -1718.3
150059 7321 7664 -1581.5
150159 7381 6284 -1380.6
150259 7441 4945 -1338.1
150359 7501 3642 -1303.3

It's kind of hard to read without separating it into colums, but the last column is the rate of ascent/descent in meters per second. It starts out a few minutes before the package started falling. At 145459, you start to see a negative rate of change in the altitude.. it's not that great from the data provided here because the capsule was most likely still climbing during part of that minute.

Almost a minute into the plung, we are dropping at almost 4000m/s which works out to be approx 145mph. The impact is slightly softened by the "re-entry friction" that someone was mentioning a few messages back when the air gets thicker.

Density (and therefore mass) is a factor in terminal velocity - that's why we had to goto the moon to see a feather and a ?rock? drop at the same rate.
Zack Clobes, W0ZC
Project: Traveler

----- Original Message -----
From: Tony Barrett
To: tvnsp@yahoogroups.com
Sent: Monday, May 27, 2002 6:25 PM
Subject: Re: [tvnsp] Other Results

Isn't 5280 feet / min. around 60 mph? Seems like more than 45 mph. And
even 60 mph seems unreasonably slow to me (by about a factor of two), but
then I don't have any data.

Isn't 79,000 feet about 15 miles up? I'll bet the crash site was less than
a mile above MSL. So a 14 mile fall in what, 11 minutes, ... Isn't that
closer to 75 mph? 6100 fpm is 69.3 mph. Still seems slow to me. If a
prone man falls at 120 mph, or head down at 180 mph, and mass is not a
factor, just drag (remember the experiment off the Leaning Tower of

Pisa?) ... Guess I'm still questioning our data.
5500 fpm is 62.5 mph.

At 02:43 PM 5/27/02 -0700, you wrote:
>The stratosphere began at an altitude of 42,000 feet on Saturday.
>The part of the jetstream over Idaho had a peak wind speed of 45
>mph and was over 10,000 feet thick (which is deeper than previous
>flights but with a lower speed). The interior of the capsule stayed
>significantly warmer than on previous flights. Even during descent,
>where wind chill has a profaound effect, the interior temperature
>didn't drop below freezing. The PGMRV sentences indicates the
>capsules fastest descent speed was 6100 feet/min. The GPGGA
>sentence indicates the fastest descent speed was 5500 fpm. The
>difference is that some GGA sentences are missing in logs
>whereas the flight data recorder records all data. The altitude
>graph is a bit steeper than usual during the descent.
>
>Paul

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tvnsp-unsubscribe@egroups.com

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2976. Lanyards for lifting balloons

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-28 02:50:00 UTC
From: Craig Brunson
Topic: 2976 Message: 2976

Attached is the latest photos of our Thursday launch. 129-03a shows the tow balloon & chute being raised with lanyards, above the 16' super pressure balloon. 129-04b shows it being held just prior to launch. It only took releasing the bottom module to launch the full flight train.

Craig
N7TSZ

2977. Fw: [tvnsp] Lanyards for lifting balloons

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-28 02:51:12 UTC
From: Craig Brunson
Topic: 2977 Message: 2977
Attachments: 2 described; binary payloads are missing from this source WARC

Let me try this again with the attachments....;-(

----- Original Message -----
From: "Craig Brunson" <brunson1@...>
To: "TVNSP" <tvnsp@yahoogroups.com>
Sent: Monday, May 27, 2002 7:50 PM
Subject: [tvnsp] Lanyards for lifting balloons

> Attached is the latest photos of our Thursday launch. 129-03a shows the
tow
> balloon & chute being raised with lanyards, above the 16' super pressure
> balloon. 129-04b shows it being held just prior to launch. It only took
> releasing the bottom module to launch the full flight train.
>
> Craig
> N7TSZ
>
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>

2978. Impact velocity

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-28 03:18:22 UTC
From: Mark Conner
Topic: 2978 Message: 2978

Here's a repost of what I sent earlier. The delta between 15:03:59 and 15:04:59 is 1216 meters, or 3989 feet in one minute. That's 45.3 mph.

I still wonder about the PGRMV velocity reports, as it seems those are too slow by at least a factor of three. Can someone tell me when the PGRMV sentences were transmitted relative to the telemetry and RMC sentences (was it X number of seconds later)? Wish I had some time to crunch the data a bit more.

- Mark

KD4STH-11>GPSPO,WIDE3-3:$GPGGA,150359,4401.8994,N,11629.9003,W,1,08,1.2,3642.1,M,-18.2,M,,*4E
KD4STH-11>GPSPO,WIDE3-3:$GPRMC,150414,A,4401.9075,N,11629.8333,W,010.0,082.5,250502,016.2,E*66
KD4STH-11>GPSPO,WIDE3*:$GPRMC,150414,A,4401.9075,N,11629.8333,W,010.0,082.5,250502,016.2,E*66
KD4STH-11>BEACON,WIDE3-2:T#069,141,161,077,043,119,00010011
KD4STH-11>GPSPO,WIDE3*:$PGRMV,-8.8,-12.4,-7.5*44
KD4STH-11>GPSPO,WIDE3-3:>TV02B R-133 Status: 1000/-V Descending
KD4STH-11>GPSPO,WIDE3-1:$GPGGA,150459,4401.9256,N,11629.7008,W,6,05,1.9,2426.0,M,-18.2,M,,*49
KD4STH-11>GPSPO,WIDE3-3:$GPRMC,150514,A,4401.9545,N,11629.6490,W,039.9,090.5,250502,016.2,E*60
KD4STH-11>GPSPO,WIDE3-1:$PGRMV,0.4,12.8,-3.2*4F
KD4STH-11>GPSPO,WIDE3-3:>TV02B R-136 Status: 1000/-V Descending

The top GPRMV sentence has a descent rate of 7.5 m/s, or 1476 ft/min. The bottom one has 3.2 m/s, or 629 ft/min. However, in the time period bracketing the 7.5 m/s report, the payload fell more than 1200 meters in one minute, or 20 m/s. I don't quite understand the differences reported here.

73 de Mark N9XTN

2979. Kevlar line/rings

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-28 03:56:58 UTC
From: Mark Conner
Topic: 2979 Message: 2979

Is Kevlar line more abrasion resistant than nylon? I believe I've seen Kevlar sold as rigging for tower guy wires and such. Nylon line (esp. the braided stuff) has good shock absorption as it stretches nicely when loaded. Keeps knots better that way too. Haven't seen what the cost of it is, though, but might be worth it to have a few feet of it near the neck of the balloon on the load line.

Another possibility is to use a different type of line for the lanyards. I think polyethylene line has a much smoother surface and may not have as much friction when it encounters nylon. But it may be expensive or unavailable in small diameters.

I use a 2" ring for the lanyards. I've seen bigger used, but can't remember where. I don't think the diameter makes a lot of difference. However, most brass rings I've seen are not continuous bits of metal, but are instead a wire bent in a circle and sometimes welded at the joint. That joint can be rough enough to snag a line, esp. if that line is under some tension.

- Mark

2980. Re: Fw: [tvnsp] Lanyards for lifting balloons

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-28 04:19:18 UTC
From: Tony Barrett
Topic: 2977 Message: 2980

What was the purpose of the super pressure balloon?

At 07:51 PM 5/27/02 -0700, you wrote:
>Let me try this again with the attachments....;-(
>
>----- Original Message -----
>From: "Craig Brunson" <brunson1@...>
>To: "TVNSP" <tvnsp@yahoogroups.com>
>Sent: Monday, May 27, 2002 7:50 PM
>Subject: [tvnsp] Lanyards for lifting balloons
>
>
> > Attached is the latest photos of our Thursday launch. 129-03a shows the
>tow
> > balloon & chute being raised with lanyards, above the 16' super pressure
> > balloon. 129-04b shows it being held just prior to launch. It only took
> > releasing the bottom module to launch the full flight train.
> >
> > Craig
> > N7TSZ

2981. Re: Fw: [tvnsp] Lanyards for lifting balloons

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-28 13:12:56 UTC
From: Craig Brunson
Topic: 2977 Message: 2981

Tony-

The super pressure balloon was filled with purified gas to do a Carbon 14 baseline. 80% of all carbon 14 is produced in our upper atmosphere (or so I was told last week by the scientist), but it has not ever been properly tested. We lifted a gas up there & left it at a known altitude for a set number of hours. Upon retrieval, the gas is pumped out & analyzed to see the rate that it was produced. Or something there about.

The super pressure balloon is a spectra shell with a bladder inside to hold the gas.

Craig
N7TSZ

----- Original Message -----
From: "Tony Barrett" <tonybarrett@...>
To: <tvnsp@yahoogroups.com>
Sent: Monday, May 27, 2002 9:19 PM
Subject: Re: Fw: [tvnsp] Lanyards for lifting balloons

> What was the purpose of the super pressure balloon?
>

2982. Re: [tvnsp] Other Results

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-28 14:18:14 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2966 Message: 2982

> ... And an 11 minute descent gave it much less time to cool than a one hour
> descent.

Yes. The graph shows that the ascent was warmer than usual.

> Maybe it even heated they capsule by re-entry friction. ; -)

My understanding is that you have to travel at mach 2 and higher to
see this.

Paul

2983. Re: [tvnsp] Impact velocity

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-28 14:27:17 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2978 Message: 2983

> I still wonder about the PGRMV velocity reports, as it seems
> those are too slow by at least a factor of three. Can someone
> tell me when the PGRMV sentences were transmitted relative to the
> telemetry and RMC sentences (was it X number of seconds later)?
> Wish I had some time to crunch the data a bit more.

The PGRMV sentences where sent 30 seconds after the minute.
The GGA was sent at 0 seconds, followed by the RMC at 15
seconds. The contents of LT4 where sent at 45 seconds after the
minute.

Paul

2984. Re: [tvnsp] Kevlar line/rings

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-28 14:30:38 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2979 Message: 2984

> Is Kevlar line more abrasion resistant than nylon?

I believe kevlar is more abrasive, so it cuts better.

I'm going to look into a woven line, rather than twisted. The heat will be heat sealed to prevent fraying. I'll make lanyard holders from dowels covered with rubber tubing. This way there is no loop or knot in the lanyards to snag.

On our rings, I wrap tape around butted joint of the ring. I also try to position the joint at the top of the ring.

Paul

2985. RH and Next Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-28 14:45:42 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2985 Message: 2985

I have three more graphs to give to Jeff this afternoon (he said something about my camera and an exchange of hostages). The RH trend shows RH increasing to a max at 40,000 feet and then decreasing. At 60,000 feet the RH is as low as it was at 25,000 feet. At 80,000 feet is was significantly drier. Once I get this sensor calibrated, I'll generate new graphs.

I reserved HobbyTown for Sunday. I can't make that meeting, but Jeff will have copies of the graphs for everyone.

Paul "six more school days" Verhage

2986. CD Case/Label and Equipment

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-28 14:55:39 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2986 Message: 2986

I'm looking for the case for the CD we sent up on the last flight.
Jeff, is it in your truck? Also, we'll need to print a label for the CD.
Can some one do that? Is there a good place to store such
things? Perhaps a VOI archive? If not, I'll hold on to it.

IS TVNSP interested in owning a geiger counter? I'm trying to get
mine replaced. I may be able to get an educational discount.

That brings to mine cameras. Is TVNSP interested in purchasing a
APS camera? We would get it modified for flight computers.

The ultimate goal is to have flight ready instruments for group use.
Once somneone has their capsule ready, they could borrow an
instrument for their mission. I think this will encourage people to
get hteir airframes and flight computers ready (I'm trying to shame
everyone into getting their stuff put together).

I'll make the PCBs for a temperature sensor array for group use.

2987. Boise Fest

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-28 17:27:06 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2987 Message: 2987

Will VOI have a booth at the River Fest this year? Does TVNSP
want to have a display?

Paul

2988. Re: [tvnsp] Boise Fest

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-28 19:43:15 UTC
From: Doug Rich
Topic: 2987 Message: 2988

At 10:27 AM 5/28/02 -0700, you wrote:
>Will VOI have a booth at the River Fest this year? Yes Does TVNSP
>want to have a display? I hope so.
>
>Paul

2989. Re: CD Case/Label and Equipment

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-28 21:52:03 UTC
From: kd7pit
Topic: 2986 Message: 2989

> Also, we'll need to print a label for the CD. Can some one do
that?

Hey Paul, I have a CD/Case label maker that I use for my files and MP3's, I can make your CD/case label. Just tell me the info you want on them (flight #, date, etc..)and I'll give it to Jeff at the next meeting. Also, I'm glad that the 9V worked out so well!

Justin, KD7PIT

2990. Etrex repair

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-28 23:02:40 UTC
From: Jeff Melanson
Topic: 2990 Message: 2990

Hi all,

Garmin sent me an RMA number and shipping address to have my smashed GPS repaired. That was easy. Hmmm.... Where did I put all those pieces?

This is the message I sent them:

While flying a high altitude helium balloon with tracking equipment the parachute failed and my equipment came down to fast. The GPS was badly damaged. The case is damaged and some wires on an internal plug are pulled apart. http://www.voiceofidaho.org/tvnsp/ This web site shows what we do. I would like an RMA number please. Thanks, Jeff

Their reply:

Thank you for contacting GARMIN. The flat rate repair charge for the Etrex is $59.00. Your RMA # is R 300209.

Jeff
KD7INN

2991. Temperature / RH Sensor Boards

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-29 01:33:56 UTC
From: Tony Barrett
Topic: 2986 Message: 2991

Hey Paul,

I was thinking about your temperature / RH sensor boards. I think Stephanie ordered one of the simpler types that won't take the 555 timer.

Are the two boards about the same size? Would it be possible to load the "simple" circuit components in the 555 board? Would you ever think about modifying the board so a single board could be loaded either way? There is often times a certain advantage to flexibility.

I'll bet I could make the 555 board work like the simple board, but not the other way around. If there wasn't any appreciable size or weight penalty I think I'd go for the 555 board (though I really don't think I need either right now).

Just me rambling, ...

Tony

At 07:55 AM 5/28/02 -0700, you wrote:

>I'll make the PCBs for a temperature sensor array for group use.
>
>
>

2992. Re: [tvnsp] Etrex repair

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-29 01:37:03 UTC
From: Tony Barrett
Topic: 2990 Message: 2992

Probably an automated e-mail reply system.

I'd be curious to know how it all works out.

Tony

At 05:02 PM 5/28/02 -0600, you wrote:
>Hi all,
>
>Garmin sent me an RMA number and shipping address to have my
>smashed GPS repaired. That was easy. Hmmm.... Where did I
>put all those pieces?
>
>This is the message I sent them:
>
>While flying a high altitude helium balloon with tracking
>equipment the parachute failed and my equipment came down to
>fast. The GPS was badly damaged. The case is damaged and
>some wires on an internal plug are pulled apart.
><http://www.voiceofidaho.org/tvnsp/>http://www.voiceofidaho.org/tvnsp/
>This web site shows what
>we do. I would like an RMA number please. Thanks, Jeff
>
>Their reply:
>
>Thank you for contacting GARMIN. The flat rate repair charge
>for the Etrex is $59.00. Your RMA # is R 300209.
>
>Jeff
>KD7INN

2993. Re: [tvnsp] Re: CD Case/Label and Equipment

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-29 14:23:10 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2986 Message: 2993

How about we label the CD, "The Greatest Hits of TV02B"?
Paul

> > Also, we'll need to print a label for the CD. Can some one do
> that?
>
> Hey Paul, I have a CD/Case label maker that I use for my files and
> MP3's, I can make your CD/case label. Just tell me the info you want
> on them (flight #, date, etc..)and I'll give it to Jeff at the next
> meeting. Also, I'm glad that the 9V worked out so well!
>
> Justin, KD7PIT
>
>
>
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>
>

2994. Re: [tvnsp] Temperature / RH Sensor Boards

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-29 14:31:18 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2986 Message: 2994

That could be done. There wiould probably be a few jumpers to
set, but otherwise, that would be pretty easy to do.

Good idea.

Paul

> I was thinking about your temperature / RH sensor boards. I think
> Stephanie ordered one of the simpler types that won't take the 555 timer.
>
> Are the two boards about the same size? Would it be possible to load the
> "simple" circuit components in the 555 board? Would you ever think about
> modifying the board so a single board could be loaded either way? There is
> often times a certain advantage to flexibility.
>
> I'll bet I could make the 555 board work like the simple board, but not the
> other way around. If there wasn't any appreciable size or weight penalty I
> think I'd go for the 555 board (though I really don't think I need either
> right now).
>
> Just me rambling, ...
>
> Tony
>
> At 07:55 AM 5/28/02 -0700, you wrote:
>
>
>
> >I'll make the PCBs for a temperature sensor array for group use.
> >
> >
> >
>
>
>
>
> To unsubscribe from this group, send an email to:
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>
>

2995. Camera Test

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-29 14:34:36 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2995 Message: 2995

I ran a test on the APS camera on sunday and got the pictures back today. Even though the camera case has a ding, it works fine.

Paul

2996. VOI Webpage

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-29 14:51:46 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2996 Message: 2996

I just tried to check out the VOI webpage and found it blocked at the campus. The software claims its a porn/adult website. Is there something going during meetings that I'm not aware of?

Needless to say, I sent a request for re-evaluation.

Paul

2997. Re: [tvnsp] VOI Webpage

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-29 16:03:49 UTC
From: Doug Rich
Topic: 2996 Message: 2997

As webmaster I can tell you for sure there is no porn. But I hope it is an adult site:)

Doug W7DVR

At 07:51 AM 5/29/02 -0700, you wrote:
>I just tried to check out the VOI webpage and found it blocked at
>the campus. The software claims its a porn/adult website. Is there
>something going during meetings that I'm not aware of?
>
>Needless to say, I sent a request for re-evaluation.
>
>Paul
>
>
>To unsubscribe from this group, send an email to:
>tvnsp-unsubscribe@egroups.com
>
>
>
>Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

2998. Re: [tvnsp] Re: CD Case/Label and Equipment

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-29 17:32:32 UTC
From: Zack Clobes
Topic: 2986 Message: 2998

Smashing Hits?
----- Original Message -----
From: verhap@...01.k12.id.us
To: tvnsp@yahoogroups.com
Sent: Wednesday, May 29, 2002 9:23 AM
Subject: Re: [tvnsp] Re: CD Case/Label and Equipment

How about we label the CD, "The Greatest Hits of TV02B"?
Paul

> > Also, we'll need to print a label for the CD. Can some one do
> that?
>
> Hey Paul, I have a CD/Case label maker that I use for my files and
> MP3's, I can make your CD/case label. Just tell me the info you want
> on them (flight #, date, etc..)and I'll give it to Jeff at the next
> meeting. Also, I'm glad that the 9V worked out so well!
>
> Justin, KD7PIT
>
>
>
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2999. My poor TNC

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-05-30 02:52:35 UTC
From: Jeff Melanson
Topic: 2999 Message: 2999

Hi all,

I've tested the TNC that was involved in the two capsule pile up. It seems to do everything but receive. Even the receive LED never comes on. I will be troubleshooting it this weekend. I'll keep you posted.

Jeff
KD7INN

3000. What was the final outcome from HamBONE last week?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-01 01:55:36 UTC
From: Zack Clobes
Topic: 3000 Message: 3000

Anyone heard if they found their packages?

Zack Clobes, W0ZC
Project: Traveler

3001. What is the significance of -11 in the balloon callsign?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-01 02:48:25 UTC
From: Zack Clobes
Topic: 3001 Message: 3001

It seems that almost everyone uses -11, but why that number?

Zack

3002. Re: [tvnsp] What is the significance of -11 in the balloon callsign?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-01 03:14:06 UTC
From: Tim Rynearson
Topic: 3001 Message: 3002
Attachments: 2 described; binary payloads are missing from this source WARC

Zack, the -11 is the SSID for a balloon icon in WinAPRS......

-------Original Message-------

From:tvnsp@yahoogroups.com
Date: Friday, May 31, 2002 08:45:59 PM
To:Group TVNSP; Group KNSP
Subject: [tvnsp] What is the significance of -11 in the balloon callsign?

It seems that almost everyone uses -11, but why that number?

Zack

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3003. Re: [tvnsp] What is the significance of -11 in the balloon callsign?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-01 04:02:32 UTC
From: Bill Herrmann
Topic: 3001 Message: 3003

At 09:48 PM 5/31/02 -0500, you wrote:
>It seems that almost everyone uses -11, but why that number?

As Tim explained it implies the balloon icon. However, it's one of three ways of setting that icon and the others can override it.

http://www.dididahdahdidit.com/text/symbols.txt is one of many locations that have the symbol tables online. They're also in an appendix of the APRS Spec.

Bill

3004. Re: [tvnsp] What is the significance of -11 in the balloncallsign?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-01 16:18:54 UTC
From: Jeff Melanson
Topic: 3004 Message: 3004

What are the other two ways? I think GPSPO is one of them?
Which one has priority?

Jeff
KD7INN

Bill Herrmann wrote:
>
> At 09:48 PM 5/31/02 -0500, you wrote:
> >It seems that almost everyone uses -11, but why that number?
>
> As Tim explained it implies the balloon icon. However, it's one of three
> ways of setting that icon and the others can override it.
>
> http://www.dididahdahdidit.com/text/symbols.txt is one of many locations
> that have the symbol tables online. They're also in an appendix of the APRS
> Spec.
>
> Bill
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

3005. Re: [tvnsp] What is the significance of -11 in the balloncallsign?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-01 16:22:35 UTC
From: Mark Conner
Topic: 3004 Message: 3005

GPSC47 also works in place of GPSPO when used as a TOCALL. If either of those are specified, that will take precedence over any SSID convention.

SSID is used to determine icon if no other means are used. Using -11 probably was a convention set up in the early days of APRS, just like -9 is a car, -14 is a semi, etc. Using -11 even in combination with the GPSxyz will help receiving stations determine quickly that a station is a balloon - I've seen few instances of ground stations using -11 for their SSID.

73 de Mark N9XTN
----- Original Message -----
From: Jeff Melanson
To: tvnsp@yahoogroups.com
Sent: Saturday, June 01, 2002 11:18
Subject: Re: [tvnsp] What is the significance of -11 in the balloncallsign?

What are the other two ways? I think GPSPO is one of them?
Which one has priority?

Jeff
KD7INN

Bill Herrmann wrote:
>
> At 09:48 PM 5/31/02 -0500, you wrote:
> >It seems that almost everyone uses -11, but why that number?
>
> As Tim explained it implies the balloon icon. However, it's one of three
> ways of setting that icon and the others can override it.
>
> http://www.dididahdahdidit.com/text/symbols.txt is one of many locations
> that have the symbol tables online. They're also in an appendix of the APRS
> Spec.
>
> Bill
>
>
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3006. Re: [tvnsp] What is the significance of -11 in the balloon callsign?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-01 20:49:18 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3004 Message: 3006

There's also a /O that you can send with the packets to specify a balloon. My only complaint about APRS balloons is that the icon is a hot air balloon. Come on! Hot air balloons are wimps!

Paul

3007. Meeting June 2nd, or Next Week?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-02 04:12:08 UTC
From: Tony Barrett
Topic: 3007 Message: 3007

Is there a TVNSP meeting at Hobby Town on June 2nd, or is it next week?

I checked the TVNSP website, but didn't find a meeting schedule.

Thanks,

Tony

3008. Re: [tvnsp] Meeting June 2nd, or Next Week?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-02 04:48:24 UTC
From: Jeff Melanson
Topic: 3007 Message: 3008

It's tomorrow. See you there.

Jeff
KD7INN

Tony Barrett wrote:
>
> Is there a TVNSP meeting at Hobby Town on June 2nd, or is it next week?
>
> I checked the TVNSP website, but didn't find a meeting schedule.
>
> Thanks,
>
> Tony
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

3009. Re: [KNSP] What is the significance of -11 in the balloon callsign?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-01 05:14:27 UTC
From: Don Pfister
Topic: 3009 Message: 3009

> Subject: Re: [KNSP] What is the significance of -11 in the balloon callsign?
> Date: Sun, 2 Jun 2002 00:10:43 -0400 (EDT)
> From: "Don Pfister KA0JLF "
> To: Zack Clobes
> CC: Group TVNSP ,
> Group KNSP
>
> On Fri, 31 May 2002, Zack Clobes wrote:
>
> > It seems that almost everyone uses -11, but why that number?
> >
> > Zack
> >
>
> In APRS -11 is the ssid that represents a balloon. This make is show
> up on APRS screens as a balloon. Kind of APRS shorthand for the
> balloon icon.
>
> There are several, I think -9 is a car etc.
>
> 73 de Don KA0JLF

3010. My KPC3 Plus

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-04 01:40:39 UTC
From: Jeff Melanson
Topic: 3010 Message: 3010

Hi all,

I troubleshot my TNC that wouldn't receive and found a bad
crystal (3.1872 MHZ). Upon further inspection I found a mark
in the top cover where the crystal made an imprint on
impact. The circuit board looks to be in good condition.
Thought you'd want to know. I'll order a crystal and see
what happens.

Jeff
KD7INN

3011. Alinco DJ-S11 Packet Connection

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-05 21:35:58 UTC
From: Stephanie Steele
Topic: 3011 Message: 3011

Can someone provide me with the correct connector wiring & resistor &
capacitor values interfacing the DJ-S11T with the KPC-3. Thanks!

--
Stephanie

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

Are you tired of sending out email that shows the wear and tear of being
forwarded 50 times. Are you tired of getting this same type of mail that
is hard or impossible to read. Try out Message Cleaner. I use it and I
recommend it. Here is a link to get your own copy.

Here's a link to a very handy email clean-up utility, check it out:

http://www.RoundhillSoftware.com/MessageCleaner?H6Ldj2XpI

****

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copying or the taking of any action based upon the information contained in
this message is strictly prohibited.

3012. Re: [tvnsp] Alinco DJ-S11 Packet Connection

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-05 22:23:48 UTC
From: Craig Brunson
Topic: 3011 Message: 3012

Stephanie-

The KPC-3+ wiring is as follows:

9-pin M
1---------- Tx (mic jack)
2---------- GPS in port 2 (KPC-3+ for aprs only)
5---------- Rx (spkr jack)
6---------- common
9---------- power in/out (if used) jumpers needed

And the jumper J9 must be set for 'HT' (this has the resistors/caps built in)
Craig / N7TSZ

----- Original Message -----
From: "Stephanie Steele" <stephanie@...>

> Can someone provide me with the correct connector wiring & resistor &
> capacitor values interfacing the DJ-S11T with the KPC-3. Thanks!
>
>
> --
> Stephanie

3013. Wanted: Crystal for my TNC

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-05 23:16:16 UTC
From: Jeff Melanson
Topic: 3013 Message: 3013

Hi all,

I'm getting frustrated trying to find this crystal.

HC49/U 3.1872 MHZ

This is the bad crystal I told you about that causes my TNC not to receive. This crystal is also used in 1200 baud modems. It is not listed in any online catalogs that I can find. I've tried several sources. I called Kantronics and spoke with two people. The technician said I could get it from the sales department but that the minimum order was $50. The sales department said they don't sell individual components and sent me to Digikey. Digikey doesn't have it. I called Ecliptek corp. (they make the crystal) and they sent me to there distributor which is Mouser. Mouser told me it was a special crystal and they could get it made but I would have to buy 500 of them! I have tried other online sources but no luck. I suppose I could look for an old 1200 baud computer modem and see if it has the crystal or perhaps an old TNC. Does anybody know where I can get this crystal?

Jeff
KD7INN

3014. Re: [tvnsp] Wanted: Crystal for my TNC

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-06 01:56:24 UTC
From: Mark Conner
Topic: 3013 Message: 3014

I have a non-functional KPC-3+ that was hit by lightning about two years ago. I have no idea if the crystal in it is any good, but I could de-solder it and mail it to you.

- Mark

From: Jeff Melanson
To: tvnsp@yahoogroups.com
Sent: Wednesday, June 05, 2002 18:16
Subject: [tvnsp] Wanted: Crystal for my TNC

Hi all,

I'm getting frustrated trying to find this crystal.

HC49/U 3.1872 MHZ

3015. Re: [tvnsp] Wanted: Crystal for my TNC

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-06 02:08:53 UTC
From: Jeff Melanson
Topic: 3013 Message: 3015

Mark,

I would greatly appreciate it. Thanks.

Jeff Melanson
10493 Bigwood Dr.
Boise, Idaho
83709-7167

3016. Re: [tvnsp] Wanted: Crystal for my TNC

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-06 04:25:16 UTC
From: Stephanie Steele
Topic: 3013 Message: 3016

Hi Jeff,

Have you tried any of the crystal manufacturers? I suspect they could cut you the crystal but you might have to put it in the can. I will check the junk pile for an old 1200 baud modem.

Stephanie

Jeff Melanson wrote:

> Hi all,
>
> I'm getting frustrated trying to find this crystal.
>
> HC49/U 3.1872 MHZ
>
> This is the bad crystal I told you about that causes my TNC
> not to receive. This crystal is also used in 1200 baud
> modems. It is not listed in any online catalogs that I can
> find. I've tried several sources. I called Kantronics and
> spoke with two people. The technician said I could get it
> from the sales department but that the minimum order was
> $50. The sales department said they don't sell individual
> components and sent me to Digikey. Digikey doesn't have it.
> I called Ecliptek corp. (they make the crystal) and they
> sent me to there distributor which is Mouser. Mouser told me
> it was a special crystal and they could get it made but I
> would have to buy 500 of them! I have tried other online
> sources but no luck. I suppose I could look for an old 1200
> baud computer modem and see if it has the crystal or perhaps
> an old TNC. Does anybody know where I can get this crystal?
>
> Jeff
> KD7INN
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to the Yahoo! Terms of Service
> <http://docs.yahoo.com/info/terms/>.

--
Stephanie

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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forwarded 50 times. Are you tired of getting this same type of mail that
is hard or impossible to read. Try out Message Cleaner. I use it and I
recommend it. Here is a link to get your own copy.

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http://www.RoundhillSoftware.com/MessageCleaner?H6Ldj2XpI

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recipient you are notified any disclosure, dissemination, distribution,
copying or the taking of any action based upon the information contained in
this message is strictly prohibited.

3017. Altitude

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-06 05:29:23 UTC
From: Stephanie Steele
Topic: 3017 Message: 3017

What was the final determination on the altitude of TV02B? Last I recalled was 79233. Is that correct?

--
Stephanie

****

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Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

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3018. Re: [tvnsp] Alinco DJ-S11 Packet Connection

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-06 17:56:39 UTC
From: Tim Rynearson
Topic: 3011 Message: 3018
Attachments: 2 described; binary payloads are missing from this source WARC

Stephanie,
Here's a web link that should show exactly what you need to know.

http://www.sedan.org/0imgs/5028yv.jpg

Tim, N7UBO

-------Original Message-------

From:tvnsp@yahoogroups.com
Date: Wednesday, June 05, 2002 03:33:32 PM
To:tvnsp@yahoogroups.com
Subject: [tvnsp] Alinco DJ-S11 Packet Connection

Can someone provide me with the correct connector wiring & resistor &
capacitor values interfacing the DJ-S11T with the KPC-3. Thanks!

--
Stephanie

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

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To unsubscribe from this group, send an email to:
tvnsp-unsubscribe@egroups.com

Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

.

3019. Re: [tvnsp] Wanted: Crystal for my TNC

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-06 17:58:01 UTC
From: Tim Rynearson
Topic: 3013 Message: 3019
Attachments: 2 described; binary payloads are missing from this source WARC

Jeff,
Have you tried JAN crystals ? I don't have any contact info for them, but
I've seen their ads in QST and several other mags.

Tim, N7UBO

-------Original Message-------

From:tvnsp@yahoogroups.com
Date: Wednesday, June 05, 2002 05:09:22 PM
To:tvnsp@yahoogroups.com
Subject: [tvnsp] Wanted: Crystal for my TNC

Hi all,

I'm getting frustrated trying to find this crystal.

HC49/U 3.1872 MHZ

This is the bad crystal I told you about that causes my TNC
not to receive. This crystal is also used in 1200 baud
modems. It is not listed in any online catalogs that I can
find. I've tried several sources. I called Kantronics and
spoke with two people. The technician said I could get it
from the sales department but that the minimum order was
$50. The sales department said they don't sell individual
components and sent me to Digikey. Digikey doesn't have it.
I called Ecliptek corp. (they make the crystal) and they
sent me to there distributor which is Mouser. Mouser told me
it was a special crystal and they could get it made but I
would have to buy 500 of them! I have tried other online
sources but no luck. I suppose I could look for an old 1200
baud computer modem and see if it has the crystal or perhaps
an old TNC. Does anybody know where I can get this crystal?

Jeff
KD7INN

To unsubscribe from this group, send an email to:
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.

3020. New file uploaded to tvnsp

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-06 20:29:39 UTC
From: tvnsp@yahoogroups.com
Topic: 794 Message: 3020

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the tvnsp
group.

File : / Click Here!
Uploaded by : hushaheysae <hushaheysae@...>
Description : Look at all these different credit cards you can get! Good, bad, or no credit.

You can access this file at the URL

http://groups.yahoo.com/group/tvnsp/files/%20Click%20Here%21

To learn more about file sharing for your group, please visit

http://help.yahoo.com/help/us/groups/files

Regards,

hushaheysae <hushaheysae@...>

3021. Re: [tvnsp] Wanted: Crystal for my TNC

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-06 23:21:48 UTC
From: Jeff Melanson
Topic: 3013 Message: 3021

Hi Tim,

I just looked at their web site. This crystal isn't listed.

Jeff

3022. Re: [tvnsp] New file uploaded to tvnsp

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-06 23:24:02 UTC
From: Jeff Melanson
Topic: 3022 Message: 3022

Did someone upload an advertisement to our TVNSP web site?
What's with that!!!

Jeff

tvnsp@yahoogroups.com wrote:
>
> Hello,
>
> This email message is a notification to let you know that
> a file has been uploaded to the Files area of the tvnsp
> group.
>
> File : / Click Here!
> Uploaded by : hushaheysae <hushaheysae@...>
> Description : Look at all these different credit cards you can get! Good, bad, or no
credit.
>
> You can access this file at the URL
>
> http://groups.yahoo.com/group/tvnsp/files/%20Click%20Here%21
>
> To learn more about file sharing for your group, please visit
>
> http://help.yahoo.com/help/us/groups/files
>
> Regards,
>
> hushaheysae <hushaheysae@...>
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

3023. Response - Re: New file uploaded to tvnsp

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-06 23:51:34 UTC
From: k7jps
Topic: 3022 Message: 3023

Because this group is open for anyone to sign up, someone joined the group today specifically to poste the SPAM. Which is against Yahoo's policies.

I have submitted an abuse complaint to Yahoo Customer Care and they will be looking into it.

John Stone
K7JPS

--- In tvnsp@y..., Jeff Melanson <kd7inn@e...> wrote:
> Did someone upload an advertisement to our TVNSP web site?
> What's with that!!!
>
> Jeff
>

3024. Re: [tvnsp] Response - Re: New file uploaded to tvnsp

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-07 02:06:53 UTC
From: Mark Conner
Topic: 3022 Message: 3024

This has been going on with increasing frequency. I've had two other Yahoo lists spammed in this way. Basically the person gets a Yahoo ID (usually with a yahoo.co.uk e-mail), finds groups that are open to join, then uploads a dumb-*** link and announces its existence.

My guess is that someone's come up with a way to script all this because it sure seems like the hardest way in the world to spam otherwise.

I've set two of my lists to require moderator approval to join - anyone with a suspect e-mail address will be queried first.

73 de Mark N9XTN
----- Original Message -----
From: k7jps
To: tvnsp@yahoogroups.com
Sent: Thursday, June 06, 2002 18:51
Subject: [tvnsp] Response - Re: New file uploaded to tvnsp

Because this group is open for anyone to sign up, someone joined the
group today specifically to poste the SPAM. Which is against Yahoo's
policies.

I have submitted an abuse complaint to Yahoo Customer Care and they
will be looking into it.

John Stone
K7JPS

--- In tvnsp@y..., Jeff Melanson <kd7inn@e...> wrote:
> Did someone upload an advertisement to our TVNSP web site?
> What's with that!!!
>
> Jeff
>

To unsubscribe from this group, send an email to:
tvnsp-unsubscribe@egroups.com

Your use of Yahoo! Groups is subject to the Yahoo! Terms of Service.

3025. TVNSP TNC Settings

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-07 05:08:59 UTC
From: Stephanie Steele
Topic: 3025 Message: 3025

Could someone please send me the TNC settings that were flown on the
last mission.

Also, I'm still looking for the 'official' altitude of the last flight.

--
Stephanie

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
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****

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forwarded 50 times. Are you tired of getting this same type of mail that
is hard or impossible to read. Try out Message Cleaner. I use it and I
recommend it. Here is a link to get your own copy.

Here's a link to a very handy email clean-up utility, check it out:

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3026. Meeting's

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-07 22:40:37 UTC
From: John Knapp
Topic: 3026 Message: 3026

I have been having major problems mailing to the
group. I have tried to send this out about three times
and it isn't going anywhere. Anyway, hopefully this
will work.

JohnK

The next meeting of TVNSP is scheduled for June 16. I
was to give a class on
Balloon prediction but unfortunately will not be able
to make the meeting. I
will do the class at the next regularly scheduled
meeting, June 30.

Scheduled Meeting Dates are:

June 16, 30
July 14, 28
August 11, 25
Sept. 8, 22
Oct. 6, 20
Nov. 3, 17
Dec. 1, 15, 29

Hope this helps with the confusion on the meeting
dates. I do not have a
current set of dates for launches, someone will have
to help me with that.

John Knapp
KD7HGS

_____
Do You Yahoo!?
Yahoo! - Official partner of 2002 FIFA World Cup
http://fifaworldcup.yahoo.com

3027. Re: Wanted: Crystal for my TNC

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-08 00:26:46 UTC
From: n1ltv
Topic: 3013 Message: 3027

> HC49/U 3.1872 MHZ
>
> This is the bad crystal I told you about that causes my TNC
> not to receive. This crystal is also used in 1200 baud
> modems.

In only 1200 baud modems that use *this* particular company's
(TDK) IC. The old TI IC used in KPC-3s was around 4 MHz,
and another IC company uses 3.57 MHz (hooray for them).

> It is not listed in any online catalogs that I can
> find.

It in Allied electronics online in multiples of 500.
Same Ecliptek outfit.

> I've tried several sources.

Jeff, you can forget about finding it outside of Kantronics.
The TDK Company (Japan) FAQ on this mentions Mouser.

>Does anybody know where I can get this crystal?

You're going to have to have one made for you. Jan might be
a pretty good place for that.

Just about all crystals used to be made this way and there
was no such thing as stock catalog crystals (except for a few
even numbered ones like 100kHz and 1 MHz for frequency
standard use, and later for CB channels) until microprocessors
came along.

They're all made the same way except if a big run is made of
one frequency they get dirt cheap. This one you're looking
for is under a dollar each for 500.

I have found a 3.2 MHz one for 50 cents from BGMicro, which if
this were asynchronous serial data would be plenty close enough,
and it might even be for short synchronous as AX.25 is, but I'd
feel better with hitting it right on the nose.

To be it's a disgrace that Kantronics won't even consider
selling it for $10 or $12, but that's how Kantronics has
gone lately.

Hank

3028. Re: Altitude

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-08 01:13:34 UTC
From: n1ltv
Topic: 3017 Message: 3028

> What was the final determination on the altitude of
> TV02B? Last I recalled was 79233. Is that correct?

That's the highest altitude recorded by the onboard
computer is all I know.

Hank

3029. Official altitude

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-08 01:27:13 UTC
From: Jeff Melanson
Topic: 3029 Message: 3029

Randy,

If I remember right you recorded the highest altitude. Can
you pass that along?

Jeff

Stephanie Steele wrote:
>
> Also, I'm still looking for the 'official' altitude of the last flight.
>
> --
> Stephanie

3030. Re: [tvnsp] Alinco DJ-S11 Packet Connection

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-08 01:34:43 UTC
From: Jeff Melanson
Topic: 3011 Message: 3030

The diagram Tim sent is the one Paul and I used. I didn't know the KCP3+ had this stuff built in as Craig has shown us. I'm going to try Craig's method for the TNC in my truck. It sure looks easier to wire together. Thanks Craig.

Jeff
KD7INN

3031. Re: [tvnsp] Re: Wanted: Crystal for my TNC

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-08 01:37:47 UTC
From: Craig Brunson
Topic: 3013 Message: 3031

I have a couple of KPC3+ TNCs that I use for parts. Where do you want the crystal sent to? Or I will be in the valley at the end of the month.

Craig - N7TSZ

----- Original Message -----
Subject: [tvnsp] Re: Wanted: Crystal for my TNC

> > HC49/U 3.1872 MHZ
> >
> > This is the bad crystal I told you about that causes my TNC
> > not to receive. This crystal is also used in 1200 baud
> > modems.

3032. Re: [tvnsp] Meeting's

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-08 01:40:37 UTC
From: Jeff Melanson
Topic: 3026 Message: 3032

Hi John,

Stephanie can't join us until the July 14th meeting and I
know she wants to learn this. Can we accommodate that?

The next launch will be in Aug. We will try to pin down the
details of this launch and any others at the next meeting.

Jeff

John Knapp wrote:
>
> I have been having major problems mailing to the
> group. I have tried to send this out about three times
> and it isn't going anywhere. Anyway, hopefully this
> will work.
>
> JohnK
>
> The next meeting of TVNSP is scheduled for June 16. I
> was to give a class on
> Balloon prediction but unfortunately will not be able
> to make the meeting. I
> will do the class at the next regularly scheduled
> meeting, June 30.
>
> Scheduled Meeting Dates are:
>
> June 16, 30
> July 14, 28
> August 11, 25
> Sept. 8, 22
> Oct. 6, 20
> Nov. 3, 17
> Dec. 1, 15, 29
>
> Hope this helps with the confusion on the meeting
> dates. I do not have a
> current set of dates for launches, someone will have
> to help me with that.
>
> John Knapp
> KD7HGS
>
> _____
> Do You Yahoo!?

> Yahoo! - Official partner of 2002 FIFA World Cup
> http://fifaworldcup.yahoo.com
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

3033. Re: [tvnsp] Re: Wanted: Crystal for my TNC

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-08 02:08:29 UTC
From: Jeff Melanson
Topic: 3013 Message: 3033

Hi Craig,

Could you send it to my home address?

Jeff Melanson
10493 Bigwood Dr.
Boise, Idaho
83709

Thanks a bunch!
Jeff

Craig Brunson wrote:
>
> I have a couple of KPC3+ TNCs that I use for parts. Where do you want the
> crystal sent to? Or I will be in the valley at the end of the month.
>
> Craig - N7TSZ
>
> ----- Original Message -----
> Subject: [tvnsp] Re: Wanted: Crystal for my TNC
>
> > > HC49/U 3.1872 MHZ
> > >
> > > This is the bad crystal I told you about that causes my TNC
> > > not to receive. This crystal is also used in 1200 baud
> > > modems.
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

3034. Re: [tvnsp] Meeting's

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-08 05:04:02 UTC
From: Bill Herrmann
Topic: 3026 Message: 3034

At 03:40 PM 6/7/02 -0700, you wrote:
>will do the class at the next regularly scheduled
>meeting, June 30.

Rats! I'd really like to see that but will probably not be back in town in time. Any chance you'll repeat it again later?

Bill

3035. Garmin 35

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-09 04:59:53 UTC
From: Stephanie Steele
Topic: 3035 Message: 3035

Where is everyone getting these units and at what price? Thanks!

--
Stephanie

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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Here's a link to a very handy email clean-up utility, check it out:

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3036. Re: [tvnsp] Garmin 35

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-09 05:16:21 UTC
From: Tony Barrett
Topic: 3035 Message: 3036

Stephanie,

So far as I know, the only way to buy one is directly from Garmin. You have to call and ask for their Aviation Department. I think they're around $139 plus S & H, maybe $15. There are three models. The GPS35-LVC is a "Low Voltage" unit (3.6 to 6 volts) with CMOS compatible output. The GPS35-LVS is the same unit but it has bona-fide RS232 signal levels. The GPS35-HVS also has the regular RS-232 I/O lines, but runs on 6 to 40 VDC.

73,

Tony

At 10:59 PM 6/8/02 -0600, you wrote:
>Where is everyone getting these units and at what price? Thanks!
>
>--
>Stephanie
>
>**********
>
>"They that can give up essential liberty to obtain a little temporary
>safety deserve neither liberty nor safety."
>
>Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.
>
>"Those who desire to give up freedom in order to gain security will not
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>
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>Your use of Yahoo! Groups is subject to the
><http://docs.yahoo.com/info/terms/>Yahoo! Terms of Service.

3037. Re: [tvnsp] Garmin 35

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-09 05:21:47 UTC
From: Stephanie Steele
Topic: 3035 Message: 3037

Thanks Tony,

I many have found a source with a lower price. I'll post the details
here as soon as I know for sure.

Stephanie

Tony Barrett wrote:

> Stephanie,
>
> So far as I know, the only way to buy one is directly from Garmin. You
> have to call and ask for their Aviation Department. I think they're around
> $139 plus S & H, maybe $15. There are three models. The GPS35-LVC is a
> "Low Voltage" unit (3.6 to 6 volts) with CMOS compatible output. The
> GPS35-LVS is the same unit but it has bona-fide RS232 signal levels. The
> GPS35-HVS also has the regular RS-232 I/O lines, but runs on 6 to 40 VDC.
>
> 73,
>
> Tony
>
> At 10:59 PM 6/8/02 -0600, you wrote:
> >Where is everyone getting these units and at what price? Thanks!
> >
> >--
> >Stephanie
> >
> >********************************
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> >safety deserve neither liberty nor safety."
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--
Stephanie

****

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3038. Re: [tvnsp] Meeting's

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-10 15:21:53 UTC
From: John Knapp
Topic: 3026 Message: 3038

I will be glad to do another one later.

JohnK
KD7HGS
--- Bill Herrmann <bherrman@...> wrote:
> At 03:40 PM 6/7/02 -0700, you wrote:
> >will do the class at the next regularly scheduled
> >meeting, June 30.
>
> Rats! I'd really like to see that but will probably
> not be back in town in
> time. Any chance you'll repeat it again later?
>
> Bill
>
>
>

Do You Yahoo!?
Yahoo! - Official partner of 2002 FIFA World Cup
http://fifaworldcup.yahoo.com

3039. Re: [tvnsp] Meeting's

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-10 15:23:33 UTC
From: John Knapp
Topic: 3026 Message: 3039

Bill is the same, lets plan on the 14th as well. by
then the mistakes I make in the first time around will
be corrected. :-)

JohnK
KD7HGS
--- Jeff Melanson <kd7inn@...> wrote:
> Hi John,
>
> Stephanie can't join us until the July 14th meeting
> and I
> know she wants to learn this. Can we accommodate
> that?
>
> The next launch will be in Aug. We will try to pin
> down the
> details of this launch and any others at the next
> meeting.
>
> Jeff
>
> John Knapp wrote:
> >
> > I have been having major problems mailing to the
> > group. I have tried to send this out about three
> times
> > and it isn't going anywhere. Anyway, hopefully
> this
> > will work.
> >
> > JohnK
> >
> > The next meeting of TVNSP is scheduled for June
> 16. I
> > was to give a class on
> > Balloon prediction but unfortunately will not be
> able
> > to make the meeting. I
> > will do the class at the next regularly scheduled
> > meeting, June 30.
> >
> > Scheduled Meeting Dates are:
> >
> > June 16, 30
> > July 14, 28

> > August 11, 25
> > Sept. 8, 22
> > Oct. 6, 20
> > Nov. 3, 17
> > Dec. 1, 15, 29
> >
> > Hope this helps with the confusion on the meeting
> > dates. I do not have a
> > current set of dates for launches, someone will
> have
> > to help me with that.
> >
> > John Knapp
> > KD7HGS
> >
> > _____
> > Do You Yahoo!?
> > Yahoo! - Official partner of 2002 FIFA World Cup
> > http://fifaworldcup.yahoo.com
> >
> >
> > To unsubscribe from this group, send an email to:
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3040. Re: [tvnsp] Official altitude

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-10 16:50:56 UTC
From: randy farley
Topic: 3029 Message: 3040

Jeff and Steph.

I'm just now catching up on my email. Sorry for the late reply. I'm here at work right now,so i will look tonight on my laptop for the data. I hate to loose my reputation for always having the best altitude data.

I'm jealous of Pauls rampack that saves the data directly from gps and controller :-) I thought it had the best recorded altitude?

On Fri, 07 Jun 2002 19:27:13 -0600
Jeff Melanson <kd7inn@...> wrote:
> Randy,
>
> If I remember right you recorded the highest altitude.
> Can
> you pass that along?
>
> Jeff
>
> Stephanie Steele wrote:
> >
> > Also, I'm still looking for the 'official' altitude of
> the last flight.
> >
> > --
> > Stephanie
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
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>
>

regards,

Randy

3041. Garmin 35 HVS for $80

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-10 17:43:26 UTC
From: Stephanie Steele
Topic: 3041 Message: 3041

Hi group,

I have found a source for the Garmin 35 HVS for $80. The guy has 20 of them at that price. I know, I wish they were the LVS too but is anyone interested in the HVS at this price? If so, let me know and I'll put you in touch or see if we can do a group purchase to save shipping.

--
Stephanie

****

"They that can give up essential liberty to obtain a little temporary safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not have, nor do they deserve, either one."

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3042. Re: [tvnsp] Garmin 35 HVS for $80

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-10 18:34:10 UTC
From: Doug Rich
Topic: 3041 Message: 3042

I am interested. I think the HVS (HighVoltageSource) is the best choice anyway. It can be used with other 2vdc systems (cars, etc). It is highly likely that there will be some 12vdc requirements in the package anyway. Current use is close to the same in both cases.
Doug W7DVR

At 11:43 AM 6/10/02 -0600, you wrote:
>Hi group,
>
>I have found a source for the Garmin 35 HVS for $80. The guy has 20 of
>them at that price. I know, I wish they were the LVS too but is anyone
>interested in the HVS at this price? If so, let me know and I'll put you
>in touch or see if we can do a group purchase to save shipping.
>
>--
>Stephanie

3043. Re: [tvnsp] Garmin 35 HVS for $80

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-10 19:02:51 UTC
From: Tim Rynearson
Topic: 3041 Message: 3043
Attachments: 2 described; binary payloads are missing from this source WARC

Stephanie,
I'm interested, but a bit skeptical.....are these NEW (with full factory warranty) units or refurbished ? I don't think Garmin sells them even in very large quantities for less than about $120.....

Tim

-------Original Message-------

From:tvnsp@yahoogroups.com
Date: Monday, June 10, 2002 11:39:48 AM
To:tvnsp@yahoogroups.com
Subject: [tvnsp] Garmin 35 HVS for $80

Hi group,

I have found a source for the Garmin 35 HVS for $80. The guy has 20 of them at that price. I know, I wish they were the LVS too but is anyone interested in the HVS at this price? If so, let me know and I'll put you in touch or see if we can do a group purchase to save shipping.

--
Stephanie

****

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.

3044. Re: [tvnsp] Official altitude

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-11 00:26:11 UTC
From: Randy Farley
Topic: 3029 Message: 3044

I wouldn't exactly call this official. My APRSplus History file log
shows the following high altitudes:

KD4STH-11 (Paul's capsule) 79,198 feet
KD7INN-11 (Jeff's capsule) 79,195 feet

Interesting to note that Paul's was the top and Jeff's
the bottom capsule in the flight configuration.
I know altitude is the least accurate calculation of a gps vector,
but at least the two gps's were in agreement in their inaccurate
reporting ;-)

Jeff Melanson wrote:
>
> Randy,
>
> If I remember right you recorded the highest altitude. Can
> you pass that along?
>
> Jeff
>
> Stephanie Steele wrote:
> >
> > Also, I'm still looking for the 'official' altitude of the last flight.
> >
> > --
> > Stephanie
>
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>
>
>
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--
Regards,

Randy Farley
N7GPS -Ham Call-
Find Me at: http://map.findu.com/n7gps*

3045. Re: [tvnsp] Garmin 35 HVS for $80

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-11 00:51:56 UTC
From: Randy Farley
Topic: 3041 Message: 3045

I think i would prefer the low voltage one for ballooning.
It draws a lot less current than the higher voltage one according
to the spec. sheet @.

http://www.garmin.com/manuals/spec35.pdf\

Maybe one of the engineer math wizards could jump
in and make a calculated power usage comparison
report on the two.

It is still a great price for any other application that has
a beefier power supply. Hmmm.. my tax rebate money is still
unspent :-) Stephanie, i hate it when you find these good
deals.

BTW I just missed a good deal on a
Rand Mcnally gps for $40. I think they are magellan's,
so no great loss,(cost wise) if not recovered
heaven forbid (or is that near space forbid).

Stephanie Steele wrote:
>
> Hi group,
>
> I have found a source for the Garmin 35 HVS for $80. The guy has 20 of
> them at that price. I know, I wish they were the LVS too but is anyone
> interested in the HVS at this price? If so, let me know and I'll put you
> in touch or see if we can do a group purchase to save shipping.
>
> --
> Stephanie
>
> ******************************
>
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> safety deserve neither liberty nor safety."
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> "Those who desire to give up freedom in order to gain security will not
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--
Regards,

Randy Farley
N7GPS -Ham Call-
Find Me at: http://map.findu.com/n7gps*

3046. Re: [tvnsp] Garmin 35 HVS for $80

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-11 04:10:57 UTC
From: Jeff Melanson
Topic: 3041 Message: 3046

Hi Stephanie,

I would like to know more about them.

Thanks,
Jeff
KD7INN

Stephanie Steele wrote:
>
> Hi group,
>
> I have found a source for the Garmin 35 HVS for $80. The guy has 20 of
> them at that price. I know, I wish they were the LVS too but is anyone
> interested in the HVS at this price? If so, let me know and I'll put you
> in touch or see if we can do a group purchase to save shipping.
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> Stephanie
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3047. Re: [tvnsp] Garmin 35 HVS for $80

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-11 07:08:26 UTC
From: Stephanie Steele
Topic: 3041 Message: 3047

This is the description furnished by the seller.

This model of GPS35 is 10-32 V and it has (2)232 signals. One of the
Rs-232 is for NEMA and Configuration, the other is for the differential.
It has a 1 PPS, Power, GND and Battery Backup wire.

Jeff Melanson wrote:

> Hi Stephanie,
>
> I would like to know more about them.
>
> Thanks,
> Jeff
> KD7INN
>
> Stephanie Steele wrote:
> >
> > Hi group,
> >
> > I have found a source for the Garmin 35 HVS for $80. The guy has 20 of
> > them at that price. I know, I wish they were the LVS too but is anyone
> > interested in the HVS at this price? If so, let me know and I'll put you
> > in touch or see if we can do a group purchase to save shipping.
> >
> > --
> > Stephanie
> >
> > ******************************
> >
> > "They that can give up essential liberty to obtain a little temporary
> > safety deserve neither liberty nor safety."
> >
> > Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.
> >
> > "Those who desire to give up freedom in order to gain security will not
> > have, nor do they deserve, either one."
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> > Are you tired of sending out email that shows the wear and tear of being
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Stephanie

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President Thomas Jefferson.
1743-1826

****

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3048. Garmin GPS35 HVS for $80

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-11 07:29:49 UTC
From: Stephanie Steele
Topic: 3048 Message: 3048

I have received way to many questions about these units to answer individually. In order to answer everyone's questions I will do this one post. Here is what seller is telling me about them.

They are reported to be all brand new units that he bought as 'surplus inventory' from a business that was closing them out. He is representing them as the Garmin GPS35 HVS TracPak units that are sold elsewhere for $160. He has none of the LVS models only these. I verified with him that these are the 'high' voltage models and he reports that hs is using one in his own vehicle and it works fine. These would be useful for trackers, or vehicle based installations where you do not need a display. They could also be used for ballooning as long as you can feed them voltage between 6-40 volts at 870-1000 mW. This compares with 120-140 mA for the LVS units. These figures are direct from Garmin's own literature.

For the person who is "skeptical" I don't know what to tell you. I will order one for you if you want one and if not then that's ok too.

I think this answers everyone's questions. If not, let me know!

--
Stephanie

****

"They that can give up essential liberty to obtain a little temporary safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

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3049. Garmin GSP35 LVS

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-11 07:42:26 UTC
From: Stephanie Steele
Topic: 3049 Message: 3049

Now, to confuse the subject even further, I have found a source for the LVS and LVC models from another source. There are 14 of the LVS and 8 of the LVC available and I am still negotiating for the best possible price on the LVS units. These are reported to be brand new units. I'll post the price once we settle it but it will be more than the HVS units previously offered but much less than current 'street' price.

.....and for the skeptics, no, I'm not making anything on any of these!

--
Stephanie

****

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Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

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1743-1826

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3050. Re: Email problems

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-11 11:57:05 UTC
From: Tim Rynearson
Topic: 3050 Message: 3050
Attachments: 2 described; binary payloads are missing from this source WARC

Stephanie,
I suspect the problem is because of my use of incredimail. I can't think of any other possible reason, so I decided to send this thru the list to see if that works better for you. And yes, I would like to get one of the GPS 35 units.....I've had good experiences with both the 35 and 36 (we integrate the 36 into electronic fish-finders at work). I'll be interested to see if the warranty registration card is in the box....sounds like it will be.

Thanx, Tim.....

-------Original Message-------

From:stephanie@...
Date: Tuesday, June 11, 2002 01:30:03 AM
To:Tim Rynearson
Subject: Email problems

Hi Tim,

I'm not sure why, but everytime I get an email from you it locks my mail client up when I display it. I can read your message but once it is fully displayed I have to kill the mail program to move on. I suspect it is related to the HTML code you are sending your messages in. Not sure what if anything you can do about this but I thought I'd speak up. Maybe I'm not the only one.

--
Stephanie

****

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Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not have, nor do they deserve, either one."

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3051. Garmin 35 current and power requirements

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-11 16:31:47 UTC
From: n1ltv
Topic: 3041 Message: 3051

There has been the implication that the high voltage GPS35
needs 12 volts: not true. It will run on as little as 6 volts

> I think i would prefer the low voltage one for ballooning.
> It draws a lot less current than the higher voltage one according
> to the spec. sheet @.
>
> http://www.garmin.com/manuals/spec35.pdf\

That's not correct. The current consumed is just a little
higher on the high voltage GPS35 running at **6 volts*, its
lowest operating voltage (compared to the low voltage GPS35).

> Maybe one of the engineer math wizards could jump
> in and make a calculated power usage comparison
> report on the two.

It's a little like comparing apples and oranges, but I'll
email again the whole story later when I have more time.

Hank

3052. Re: [tvnsp] Garmin 35 current and power requirements

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-11 16:46:04 UTC
From: Stephanie Steele
Topic: 3041 Message: 3052

Hi Hank,

I think Garmin has 'helped' with the confusion by using two different values for the current draw on the two units. My calculations show little difference in the two at the 6 volt level but I don't trust my calculations. When you have a moment, please make the comparison for us so everyone can better understand the two.

Stephanie

n1ltv wrote:

> There has been the implication that the high voltage GPS35
> needs 12 volts: not true. It will run on as little as 6 volts
>
> > I think i would prefer the low voltage one for ballooning.
> > It draws a lot less current than the higher voltage one according
> > to the spec. sheet @.
> >
> > http://www.garmin.com/manuals/spec35.pdf\
>
> That's not correct. The current consumed is just a little
> higher on the high voltage GPS35 running at **6 volts*, its
> lowest operating voltage (compared to the low voltage GPS35).
>
> > Maybe one of the engineer math wizards could jump
> > in and make a calculated power usage comparison
> > report on the two.
>
> It's a little like comparing apples and oranges, but I'll
> email again the whole story later when I have more time.
>
> Hank
>
>
>
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> <http://rd.yahoo.com/M=226014.2032696.3508022.1829184/D=egroupweb/S=1705083281:HM/A=1000239/R=0/*http://ads.x10.com/?bHlhaG9vaG0xLmRhd=1023813110%3eM=226014.2032696.3508022.1829184/D=egroupweb/S=1705083281:HM/A=1000239/R=1>
>
>
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> tvnsp-unsubscribe@egroups.com
>

>
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> Your use of Yahoo! Groups is subject to the Yahoo! Terms of Service
> <http://docs.yahoo.com/info/terms/>.

--
Stephanie

****

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3053. Re: [tvnsp] Garmin 35 current and power requirements

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-11 17:21:33 UTC
From: randy farley
Topic: 3041 Message: 3053

Ok, compare them at 6 volts to make them apples and apples.
That is what i was thinking,but not conveyed in my mail.

It seemed like a significant difference when i did a
quick guestimate.

Show me the figures when you get time Hank.

On Tue, 11 Jun 2002 16:31:47 -0000
"n1ltv" <n1ltv@...> wrote:
> There has been the implication that the high voltage
> GPS35
> needs 12 volts: not true. It will run on as little as 6
> volts
>
> > I think i would prefer the low voltage one for
> ballooning.
> > It draws a lot less current than the higher voltage one
> according
> > to the spec. sheet @.
> >
> > http://www.garmin.com/manuals/spec35.pdf\
>
> That's not correct. The current consumed is just a
> little
> higher on the high voltage GPS35 running at **6 volts*,
> its
> lowest operating voltage (compared to the low voltage
> GPS35).
>
> > Maybe one of the engineer math wizards could jump
> > in and make a calculated power usage comparison
> > report on the two.
>
> It's a little like comparing apples and oranges, but I'll
>
> email again the whole story later when I have more time.
>
> Hank
>
>
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> tvnsp-unsubscribe@egroups.com

>
>
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>
>

regards,

Randy

3054. Re: [tvnsp] Garmin GPS35 HVS for $80

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-11 17:43:33 UTC
From: randy farley
Topic: 3048 Message: 3054

Stephanie

I,m not skeptical about the units quality. I am just
looking for the lowest current draw for ballooning
purposes.

I did notice the current units in the spec. sheet were
different between the HVS and LVS.
So far i have not had time to do the proper mathwork.
I figured by throwing out my comment "math wizards",
someone would come up with the proper comparison facts.
When someone "shows me the math" i can make a smarter
decision ;-)

Really appreciate the legwork you are doing to procure
these units. You need a job as a purchasing agent ;-)

On Tue, 11 Jun 2002 01:29:49 -0600
Stephanie Steele <stephanie@...> wrote:
> I have received way to many questions about these units
> to answer
> individually. In order to answer everyone's questions I
> will do this one
> post. Here is what seller is telling me about them.
>
> They are reported to be all brand new units that he
> bought as 'surplus
> inventory' from a business that was closing them out. He
> is representing
> them as the Garmin GPS35 HVS TracPak units that are sold
> elsewhere for
> $160. He has none of the LVS models only these. I
> verified with him that
> these are the 'high' voltage models and he reports that
> hs is using one
> in his own vehicle and it works fine. These would be
> useful for
> trackers, or vehicle based installations where you do not
> need a
> display. They could also be used for ballooning as long
> as you can feed
> them voltage between 6-40 volts at 870-1000 mW. This
> compares with
> 120-140 mA for the LVS units. These figures are direct
> from Garmin's own
> literature.

> For the person who is "skeptical" I don't know what to
> tell you. I will
> order one for you if you want one and if not then that's
> ok too.
>
> I think this answers everyone's questions. If not, let me
> know!
>
> --
> Stephanie
>
> ******************************
>
> "They that can give up essential liberty to obtain a
> little temporary
> safety deserve neither liberty nor safety."
>
> Benjamin Franklin (1706-1790), Letter to Josiah Quincy,
> Sept. 11, 1773.
>
> "Those who desire to give up freedom in order to gain
> security will not
> have, nor do they deserve, either one."
>
> President Thomas Jefferson.
> 1743-1826
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> and tear of being
> forwarded 50 times. Are you tired of getting this same
> type of mail that
> is hard or impossible to read. Try out Message Cleaner. I
> use it and I
> recommend it. Here is a link to get your own copy.
>
> Here's a link to a very handy email clean-up utility,
> check it out:
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> http://www.RoundhillSoftware.com/MessageCleaner?H6Ldj2XpI
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> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to
> http://docs.yahoo.com/info/terms/
>
>

regards,

Randy

3055. Parachutes

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-11 17:55:25 UTC
From: Stephanie Steele
Topic: 1055 Message: 3055

I finally remembered that there was some interest in some other
parachute vendors that I located. Here are their URL's.

http://www.spectrachutes.com/id17.htm

http://www.b2rocketry.com/

http://www.rocketrage.com/chutes.htm

--
Stephanie

****

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3056. Re: Garmin 35 current and power requirements

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-11 18:44:01 UTC
From: Hank Riley
Topic: 3041 Message: 3056
Attachments: 1 described; binary payloads are missing from this source WARC

>I think Garmin has 'helped' with the confusion by using two different
>values for the current draw on the two units.

What Garmin did was to give a current draw (in milliamperes)
for the 3.6-6 unit, and a *power* draw (in milliwatts) for
the 6-42 "high voltage" unit. The good reason for doing this
is that the current drain is constant for the former, but not
for the latter.

This is due to the characteristics of switching regulators,
one of which is in the 6-42 but not the 3.6-6.

>My calculations show little difference in the two at the 6 volt level but I
>don't trust my calculations.

Stephanie, your arithmetic is correct. Using typical values,
the low voltage unit draws 120 milliamps; the high voltage
at 6 volts draws 145 milliamperes and that steadily decreases
with increasing supply current thanks to the switching regulator.
At car voltage it will be down to about 65 milliamps.

To me, the high voltage unit is a very good all around unit
and the one I'd go for, even if I did plan on flying it once
in a while.

If it was exclusively for balloon use and *nothing* else, then
the low voltage one would have a slight edge.

I've attached a graph that shows how the current works for
both types of Garmins.

Hank

____
Join the world?s largest e-mail service with MSN Hotmail.
http://www.hotmail.com

3057. Re: Garmin 35 current and power requirements

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-11 18:51:26 UTC
From: n1ltv
Topic: 3041 Message: 3057

>Using typical values, the low voltage unit draws 120
>milliamps; the high voltage at 6 volts draws 145 milliamperes
>and that steadily decreases with increasing supply current
>thanks to the switching regulator.

That should have read "with increasing supply *voltage*"

3058. Re: [tvnsp] Re: Garmin 35 current and power requirements

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-11 19:18:01 UTC
From: Stephanie Steele
Topic: 3041 Message: 3058

Thanks, I know the group will appreciate these figures and they agree with mine. Garmin lists the LVS as using 120-140 mA which makes the two units a draw at 6 volts. In MHO the HVS would actually be more efficient as long as you could feed it more than 6 volts but the LVS is the only choice if your source is 6 volts maximum.

Stephanie

n1ltv wrote:

> >Using typical values, the low voltage unit draws 120
> >milliamps; the high voltage at 6 volts draws 145 milliamperes
> >and that steadily decreases with increasing supply current
> >thanks to the switching regulator.
>
> That should have read "with increasing supply *voltage*"
>
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to the Yahoo! Terms of Service
> <http://docs.yahoo.com/info/terms/>.

--
Stephanie

****

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3059. Re: [tvnsp] Re: Garmin 35 current and power requirements

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-11 19:20:54 UTC
From: Stephanie Steele
Topic: 3041 Message: 3059

Thanks Hank,

I know the group appreciates this information and I agree with your conclusions.

Stephanie

Hank Riley wrote:

> >I think Garmin has 'helped' with the confusion by using two different
> >values for the current draw on the two units.
>
> What Garmin did was to give a current draw (in milliamperes)
> for the 3.6-6 unit, and a *power* draw (in milliwatts) for
> the 6-42 "high voltage" unit. The good reason for doing this
> is that the current drain is constant for the former, but not
> for the latter.
>
> This is due to the characteristics of switching regulators,
> one of which is in the 6-42 but not the 3.6-6.
>
> >My calculations show little difference in the two at the 6 volt level
> but I
> >don't trust my calculations.
>
> Stephanie, your arithmetic is correct. Using typical values,
> the low voltage unit draws 120 milliamps; the high voltage
> at 6 volts draws 145 milliamperes and that steadily decreases
> with increasing supply current thanks to the switching regulator.
> At car voltage it will be down to about 65 milliamps.
>
> To me, the high voltage unit is a very good all around unit
> and the one I'd go for, even if I did plan on flying it once
> in a while.
>
> If it was exclusively for balloon use and *nothing* else, then
> the low voltage one would have a slight edge.
>
> I've attached a graph that shows how the current works for
> both types of Garmins.
>
> Hank
>
>

3060. Re: [tvnsp] Re: Email problems

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-12 01:40:27 UTC
From: Tony Barrett
Topic: 3050 Message: 3060
Attachments: 1 described; binary payloads are missing from this source WARC

I've never had a problem with e-mail messages from Tim.

Hope this helps you get a better understanding of the problem.

Tony

At 05:57 AM 6/11/02 -0600, you wrote:
>Stephanie,
> I suspect the problem is because of my use of incredimail. I can't
> think of any other possible reason, so I decided to send this thru the
> list to see if that works better for you. And yes, I would like to get
> one of the GPS 35 units.....I've had good experiences with both the 35
> and 36 (we integrate the 36 into electronic fish-finders at work). I'll
> be interested to see if the warranty registration card is in the
> box....sounds like it will be.
>
>Thanx, Tim.....
>
>-------Original Message-------
>
>From:<mailto:stephanie@...>stephanie@...
>Date: Tuesday, June 11, 2002 01:30:03 AM
>To:<mailto:n7ubo@...>Tim Rynearson
>Subject: Email problems
>
>Hi Tim,
>
>I'm not sure why, but everytime I get an email from you it locks my mail
>client up when I display it. I can read your message but once it is
>fully displayed I have to kill the mail program to move on. I suspect it
>is related to the HTML code you are sending your messages in. Not sure
>what if anything you can do about this but I thought I'd speak up. Maybe
>I'm not the only one.
>
>--
>Stephanie
>
>*******************************
>
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>safety deserve neither liberty nor safety."
>
>Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.
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>
><http://www.roundhillsoftware.com/MessageCleaner?H6Ldj2XpI>http://www.RoundhillSoftware.c
om/MessageCleaner?H6Ldj2XpI
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>____
><http://www.incredimail.com/redir.asp?ad_id=309&lang=9>[tvnsp] Re Email
>problems IncrediMail - Email has finally evolved -
><http://www.incredimail.com/redir.asp?ad_id=309&lang=9>Click Here
>To unsubscribe from this group, send an email to:
>tvnsp-unsubscribe@egroups.com
>
>
>
>Your use of Yahoo! Groups is subject to the
><http://docs.yahoo.com/info/terms/>Yahoo! Terms of Service.

3061. Re: [tvnsp] Re: Garmin 35 current and power requirements

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-12 13:07:00 UTC
From: randy farley
Topic: 3041 Message: 3061

Hank

Pictures speak louder than words to me sometimes ;-)
Thanks for the interpretation and reasoning for the values
from garmin.

The HV model is the best all around unit then. I'm glad to
see this.

The LV model must have been made so you can run it off a
laptop and use the 5v from a serial port ?

Are switching regulators affected by low temperatures to
any significant degree?

Stephanie, I'll take two now.

On Tue, 11 Jun 2002 14:44:01 -0400
"Hank Riley" <n1ltv@...> wrote:
> >I think Garmin has 'helped' with the confusion by using
> two different
> >values for the current draw on the two units.
>
> What Garmin did was to give a current draw (in
> milliamperes)
> for the 3.6-6 unit, and a *power* draw (in milliwatts)
> for
> the 6-42 "high voltage" unit. The good reason for doing
> this
> is that the current drain is constant for the former, but
> not
> for the latter.
>
> This is due to the characteristics of switching
> regulators,
> one of which is in the 6-42 but not the 3.6-6.
>
> >My calculations show little difference in the two at the
> 6 volt level but I
> >don't trust my calculations.
>
> Stephanie, your arithmetic is correct. Using typical
> values,
> the low voltage unit draws 120 milliamps; the high
> voltage
> at 6 volts draws 145 milliamperes and that steadily

> decreases
> with increasing supply current thanks to the switching
> regulator.
> At car voltage it will be down to about 65 milliamps.
>
> To me, the high voltage unit is a very good all around
> unit
> and the one I'd go for, even if I did plan on flying it
> once
> in a while.
>
> If it was exclusively for balloon use and *nothing* else,
> then
> the low voltage one would have a slight edge.
>
> I've attached a graph that shows how the current works
> for
> both types of Garmins.
>
> Hank
>
>
>
>
>

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>
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>

regards,

Randy

3062. Re: Garmin 35 current and power requirements

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-12 17:38:27 UTC
From: n1ltv
Topic: 3041 Message: 3062

> The LV model must have been made so you can run it off a
> laptop and use the 5v from a serial port ?

I think maybe Garmin's main idea was to make one model that runs from the lowest possible voltage.

> Are switching regulators affected by low temperatures to
> any significant degree?

Not as far as I know. ANSR and possibly Project Traveller use switching regulators in their onboard computers.

I'm happy to have possibly been able to shed a little light on the Garmin specs since they seemed to have some bearing on folk's choices about the units Stephanie found.

Hank

3063. Garmin GPS35 LVS and GPS35 HVS Units

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-12 23:45:40 UTC
From: Stephanie Steele
Topic: 3063 Message: 3063

Hi everyone,

I have firm quotes now from the sellers of these two units. There are 8 LVS units available and 32 HVS units. The LVS units are OEM (which means the cabling is bare, you add your own serial connector & power connector). Price is $106 each plus shipping to you for the LVS and $80 plus shipping to me and to you on the HVS (probably around $90 plus or minus a few bucks). For those out of the Treasure Valley who inquired I will ship to you in one box for your distribution to your groups. I need to know from everyone how many of each model you want. I'll send you back your total and will need payment right away as I obviously can not front this much money myself.

Hope this helps everyone out in your search for these units.

--
Stephanie

****

"They that can give up essential liberty to obtain a little temporary safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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http://www.RoundhillSoftware.com/MessageCleaner?H6Ldj2XpI

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3064. Re: [tvnsp] Re: Garmin 35 current and power requirements

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-13 01:04:25 UTC
From: Jeff Melanson
Topic: 3041 Message: 3064

Randy,

In case you haven't noticed, everytime you post a message it
gets posted twice. Hmmm...

Jeff

randy farley wrote:
>
> Hank
>
> Pictures speak louder than words to me sometimes ;-)
> Thanks for the interpretation and reasoning for the values
> from garmin.
>
> The HV model is the best all around unit then. I'm glad to
> see this.
>
> The LV model must have been made so you can run it off a
> laptop and use the 5v from a serial port ?
>
> Are switching regulators affected by low temperatures to
> any significant degree?
>
> Stephanie, I'll take two now.
>
> On Tue, 11 Jun 2002 14:44:01 -0400
> "Hank Riley" <n1ltv@...> wrote:
> > >I think Garmin has 'helped' with the confusion by using
> > two different
> > >values for the current draw on the two units.
> > >
> > What Garmin did was to give a current draw (in
> > milliamperes)
> > for the 3.6-6 unit, and a *power* draw (in milliwatts)
> > for
> > the 6-42 "high voltage" unit. The good reason for doing
> > this
> > is that the current drain is constant for the former, but
> > not
> > for the latter.
> > >
> > This is due to the characteristics of switching
> > regulators,
> > one of which is in the 6-42 but not the 3.6-6.
> > >

> > >My calculations show little difference in the two at the
> > 6 volt level but I
> > >don't trust my calculations.
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> > Stephanie, your arithmetic is correct. Using typical
> > values,
> > the low voltage unit draws 120 milliamps; the high
> > voltage
> > at 6 volts draws 145 milliamperes and that steadily
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> > regulator.
> > At car voltage it will be down to about 65 milliamps.
> >
> > To me, the high voltage unit is a very good all around
> > unit
> > and the one I'd go for, even if I did plan on flying it
> > once
> > in a while.
> >
> > If it was exclusively for balloon use and *nothing* else,
> > then
> > the low voltage one would have a slight edge.
> >
> > I've attached a graph that shows how the current works
> > for
> > both types of Garmins.
> >
> > Hank
> >
> >
> >
> >
> >
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>
> regards,
>
> Randy
>
>
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>
>
>
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3065. Meeting place.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-13 02:04:59 UTC
From: Jeff Melanson
Topic: 3065 Message: 3065

Justin,

At the last meeting you mentioned that you might have a place for us to meet in Nampa. Were you able to find out more about that? Currently the next meeting location is Hobby Town but if you have a place in Nampa it would be an easier drive for our distant members.

Jeff
KD7INN

3066. My TNC is alive!

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-13 02:16:27 UTC
From: Jeff Melanson
Topic: 3066 Message: 3066

Hi all,

The crystal Craig sent me arrived in the mail yesterday. I
installed it and my TNC is working good. Thanks for the
crystal Craig!

Jeff
KD7INN

3067. Re: My TNC is alive!

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-13 04:33:17 UTC
From: n1ltv
Topic: 3066 Message: 3067

> The crystal Craig sent me arrived in the mail yesterday.
> I installed it and my TNC is working good. Thanks for the
> crystal Craig!

Cool. Besides the PCB developing a crack, the crystal is
about the only thing that can be bothered by a smack like
your TNC received when it landed at sans-parachute terminal
velocity.

Let's be thankful we don't have tube stuff (I have an
antique radiosonde that uses little tubes).

Hank

3068. Re: [tvnsp] Garmin GPS35 LVS and GPS35 HVS Units

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-13 04:45:41 UTC
From: Doug Rich
Topic: 3063 Message: 3068

I would like "1" HVS model. Let me know how to pay you. Do you do PayPal?
Doug W7DVR

At 05:45 PM 6/12/02 -0600, you wrote:
>Hi everyone,
>
>I have firm quotes now from the sellers of these two units. There are 8
> LVS units available and 32 HVS units. The LVS units are OEM (which
>means the cabling is bare, you add your own serial connector & power
>connector). Price is $106 each plus shipping to you for the LVS and $80
>plus shipping to me and to you on the HVS (probably around $90 plus or
>minus a few bucks). For those out of the Treasure Valley who inquired I
>will ship to you in one box for your distribution to your groups. I need
>to know from everyone how many of each model you want. I'll send you
>back your total and will need payment right away as I obviously can not
>front this much money myself.
>
>Hope this helps everyone out in your search for these units.
>
>
>--
>Stephanie
>
>*******************************
>
>"They that can give up essential liberty to obtain a little temporary
>safety deserve neither liberty nor safety."
>
>Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.
>
>"Those who desire to give up freedom in order to gain security will not
>have, nor do they deserve, either one."
>
>President Thomas Jefferson.
> 1743-1826
>
>*******************************
>
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>forwarded 50 times. Are you tired of getting this same type of mail that
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>
>Here's a link to a very handy email clean-up utility, check it out:
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>http://www.RoundhillSoftware.com/MessageCleaner?H6Ldj2XpI
>
>*******************************
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>
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3069. Re: Meeting place.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-13 05:34:07 UTC
From: kd7pit
Topic: 3065 Message: 3069

I checked into it but the Sleep Inn requires appointment in advance and a fee. I know the Denny's at the sugar beet exit has a "conference" area and I asked an employee there. She didn't think there was a fee for it, just advance notice to reserve it. Other than that, I think Jade Garden is our best option for now. I'll keep checking around though. What ever happened to meeting at that pizza place near Caldwell, near the auction grounds? Too far off the beaten path?

Justin

3070. Re: [tvnsp] Re: Meeting place.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-13 05:53:09 UTC
From: Jeff Melanson
Topic: 3065 Message: 3070

Justin,

We try to meet at places where we can work on projects.
That's hard to do at a restaurant.

Jeff

kd7pit wrote:
>
> I checked into it but the Sleep Inn requires appointment in advance
> and a fee. I know the Denny's at the sugar beet exit has
> a "conference" area and I asked an employee there. She didn't think
> there was a fee for it, just advance notice to reserve it. Other
> than that, I think Jade Garden is our best option for now. I'll keep
> checking around though. What ever happened to meeting at that pizza
> place near Caldwell, near the auction grounds? Too far off the
> beaten path?
>
> Justin
>
>
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>
>
>
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3071. Re: Meeting place.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-13 06:10:11 UTC
From: kd7pit
Topic: 3065 Message: 3071

Jeff,

Nampa doesn't really have much to offer in the way of a hobby store. The only thing close that I can think of is Mac's craft store next to Staples. I know they have amateur sewing and painting classes in their back hobby room area. If I have time, I'll see what they can do for an amateur balloon group. I just started work and summer school so available free time has been dramatically cut.

Justin

3072. Re: [tvnsp] Garmin GPS35 LVS and GPS35 HVS Units

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-13 13:02:04 UTC
From: Tim Rynearson
Topic: 3063 Message: 3072
Attachments: 2 described; binary payloads are missing from this source WARC

Stephanie,
I'll take one.....at the risk of locking up your email client again...

Tim

-------Original Message-------

From:tvnsp@yahoogroups.com
Date: Wednesday, June 12, 2002 05:41:21 PM
To:tvnsp@yahoogroups.com
Subject: [tvnsp] Garmin GPS35 LVS and GPS35 HVS Units

Hi everyone,

I have firm quotes now from the sellers of these two units. There are 8 LVS units available and 32 HVS units. The LVS units are OEM (which means the cabling is bare, you add your own serial connector & power connector). Price is $106 each plus shipping to you for the LVS and $80 plus shipping to me and to you on the HVS (probably around $90 plus or minus a few bucks). For those out of the Treasure Valley who inquired I will ship to you in one box for your distribution to your groups. I need to know from everyone how many of each model you want. I'll send you back your total and will need payment right away as I obviously can not front this much money myself.

Hope this helps everyone out in your search for these units.

--
Stephanie

****

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Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

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.

3073. Re: [tvnsp] Garmin GPS35 LVS and GPS35 HVS Units

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-13 13:02:53 UTC
From: Tim Rynearson
Topic: 3063 Message: 3073
Attachments: 2 described; binary payloads are missing from this source WARC

Stephanie,
oops....meant to include one of the HVS Units......

Tim

-------Original Message-------

From:tvnsp@yahoogroups.com
Date: Wednesday, June 12, 2002 05:41:21 PM
To:tvnsp@yahoogroups.com
Subject: [tvnsp] Garmin GPS35 LVS and GPS35 HVS Units

Hi everyone,

I have firm quotes now from the sellers of these two units. There are 8 LVS units available and 32 HVS units. The LVS units are OEM (which means the cabling is bare, you add your own serial connector & power connector). Price is $106 each plus shipping to you for the LVS and $80 plus shipping to me and to you on the HVS (probably around $90 plus or minus a few bucks). For those out of the Treasure Valley who inquired I will ship to you in one box for your distribution to your groups. I need to know from everyone how many of each model you want. I'll send you back your total and will need payment right away as I obviously can not front this much money myself.

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Stephanie

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.

3074. Re: [tvnsp] Re: Garmin 35 current and power requirements

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-13 15:45:46 UTC
From: randy farley
Topic: 3041 Message: 3074

Yea i see that, and i don't know why,sorry.
This will be the last post from WORK until i
can figure it out i guess.

On Wed, 12 Jun 2002 19:04:25 -0600
Jeff Melanson <kd7inn@...> wrote:
> Randy,
>
> In case you haven't noticed, everytime you post a message
> it
> gets posted twice. Hmmm...
>
> Jeff
>
> randy farley wrote:
> >
> > Hank
> >
> > Pictures speak louder than words to me sometimes ;-)
> > Thanks for the interpretation and reasoning for the
> values
> > from garmin.
> >
> > The HV model is the best all around unit then. I'm glad
> to
> > see this.
> >
> > The LV model must have been made so you can run it off
> a
> > laptop and use the 5v from a serial port ?
> >
> > Are switching regulators affected by low temperatures
> to
> > any significant degree?
> >
> > Stephanie, I'll take two now.
> >
> > On Tue, 11 Jun 2002 14:44:01 -0400
> > "Hank Riley" <n1ltv@...> wrote:
> > > >I think Garmin has 'helped' with the confusion by
> using
> > > two different
> > > >values for the current draw on the two units.
> > >
> > > What Garmin did was to give a current draw (in

> > > milliamperes)
> > > for the 3.6-6 unit, and a *power* draw (in
> milliwatts)
> > > for
> > > the 6-42 "high voltage" unit. The good reason for
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> > > this
> > > is that the current drain is constant for the former,
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> > > not
> > > for the latter.
> > >
> > > This is due to the characteristics of switching
> > > regulators,
> > > one of which is in the 6-42 but not the 3.6-6.
> > >
> > > >My calculations show little difference in the two at
> the
> > > 6 volt level but I
> > > >don't trust my calculations.
> > >
> > > Stephanie, your arithmetic is correct. Using typical
> > > values,
> > > the low voltage unit draws 120 milliamps; the high
> > > voltage
> > > at 6 volts draws 145 milliamperes and that steadily
> > > decreases
> > > with increasing supply current thanks to the
> switching
> > > regulator.
> > > At car voltage it will be down to about 65 milliamps.
> > >
> > > To me, the high voltage unit is a very good all
> around
> > > unit
> > > and the one I'd go for, even if I did plan on flying
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> > > once
> > > in a while.
> > >
> > > If it was exclusively for balloon use and *nothing*
> else,
> > > then
> > > the low voltage one would have a slight edge.
> > >
> > > I've attached a graph that shows how the current
> works
> > > for
> > > both types of Garmins.
> > >

> > > Hank
> > >
> > >
> > >
> > >
> > >
> >
>

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> >
> > regards,
> >
> > Randy
> >
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regards,

Randy

3075. Re: [tvnsp] Garmin GPS35 LVS and GPS35 HVS Units

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-13 16:01:06 UTC
From: randy farley
Topic: 3063 Message: 3075

Stephanie, i will take one of each !!
Retracting earlier post about not
replying from work. Too good a deal
to pass up. "Early Birsd Get Worms"
or something to that effect. ;-)

On Wed, 12 Jun 2002 17:45:40 -0600
Stephanie Steele <stephanie@...> wrote:
> Hi everyone,
>
> I have firm quotes now from the sellers of these two
> units. There are 8
> LVS units available and 32 HVS units. The LVS units are
> OEM (which
> means the cabling is bare, you add your own serial
> connector & power
> connector). Price is $106 each plus shipping to you for
> the LVS and $80
> plus shipping to me and to you on the HVS (probably
> around $90 plus or
> minus a few bucks). For those out of the Treasure Valley
> who inquired I
> will ship to you in one box for your distribution to your
> groups. I need
> to know from everyone how many of each model you want.
> I'll send you
> back your total and will need payment right away as I
> obviously can not
> front this much money myself.
>
> Hope this helps everyone out in your search for these
> units.
>
>
> --
> Stephanie
>
> ******************************
>
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> "Those who desire to give up freedom in order to gain
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regards,

Randy

3076. Double post's

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-14 03:59:53 UTC
From: Jeff Melanson
Topic: 3076 Message: 3076

Randy,

Don't let it prevent you from posting, just thought you
should know it happens.

Jeff

randy farley wrote:
>
> Yea i see that, and i don't know why,sorry.
> This will be the last post from WORK until i
> can figure it out i guess.
>
> On Wed, 12 Jun 2002 19:04:25 -0600
> Jeff Melanson <kd7inn@...> wrote:
> > Randy,
> >
> > In case you haven't noticed, everytime you post a message
> > it
> > gets posted twice. Hmmm...
> >
> > Jeff
> >
> > randy farley wrote:
> > >
> > > Hank
> > >
> > > Pictures speak louder than words to me sometimes ;-)
> > > Thanks for the interpretation and reasoning for the
> > values
> > > from garmin.
> > >
> > > The HV model is the best all around unit then. I'm glad
> > to
> > > see this.
> > >
> > > The LV model must have been made so you can run it off
> > a
> > > laptop and use the 5v from a serial port ?
> > >
> > > Are switching regulators affected by low temperatures
> > to
> > > any significant degree?
> > >
> > > Stephanie, I'll take two now.
> > >

> > > On Tue, 11 Jun 2002 14:44:01 -0400
> > > "Hank Riley" <n1ltv@...> wrote:
> > > > >I think Garmin has 'helped' with the confusion by
> > using
> > > > > two different
> > > > > >values for the current draw on the two units.
> > > > >
> > > > > What Garmin did was to give a current draw (in
> > > > > milliamperes)
> > > > > for the 3.6-6 unit, and a *power* draw (in
> > milliwatts)
> > > > > for
> > > > > the 6-42 "high voltage" unit. The good reason for
> > doing
> > > > > this
> > > > > is that the current drain is constant for the former,
> > but
> > > > > not
> > > > > for the latter.
> > > > >
> > > > > This is due to the characteristics of switching
> > > > > regulators,
> > > > > one of which is in the 6-42 but not the 3.6-6.
> > > > >
> > > > > >My calculations show little difference in the two at
> > the
> > > > > 6 volt level but I
> > > > > >don't trust my calculations.
> > > > >
> > > > > Stephanie, your arithmetic is correct. Using typical
> > > > > values,
> > > > > the low voltage unit draws 120 milliamps; the high
> > > > > voltage
> > > > > at 6 volts draws 145 milliamperes and that steadily
> > > > > decreases
> > > > > with increasing supply current thanks to the
> > switching
> > > > > regulator.
> > > > > At car voltage it will be down to about 65 milliamps.
> > > > >
> > > > > To me, the high voltage unit is a very good all
> > around
> > > > > unit
> > > > > and the one I'd go for, even if I did plan on flying
> > it
> > > > > once
> > > > > in a while.
> > > > >
> > > > > If it was exclusively for balloon use and *nothing*
> > else,

> > > > then
> > > > the low voltage one would have a slight edge.
> > > >
> > > > I've attached a graph that shows how the current
> > works
> > > > for
> > > > both types of Garmins.
> > > >
> > > > Hank
> > > >
> > > >
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> > > >
> > >
> > > regards,
> > >
> > > Randy
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3077. GPS-35 order

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-14 14:30:40 UTC
From: Mark Conner
Topic: 3077 Message: 3077

Stephanie,

When are you expecting to place the order? I may have two or three from here, but TVNSP has first priority of course. Do you have PayPal?

On a separate note, glad to hear the crystal thing worked out. By the time I had a chance to dig out my KPC-3, you had it installed and working.

- Mark

3078. Re: [tvnsp] Double post's

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-14 14:33:45 UTC
From: randy farley
Topic: 3076 Message: 3078

Jeff

I thought about my last comment and decided it was not
a good idea after i posted it.

I will have to post here from work if i want to keep
current on the discussions. Don't have enough hours
in the day when i get home to check email. Honey do's
always take precedence ;-(

After Hank's comment that he did not see doubles from me
i thought, "Oh Heck" everyone else has a delete key anyway.

Thanks for the observation Jeff. I will keep working on it.

PS, Great to see your KPC+ lives again !! It was great to
see everyone chip in and offer crystals. Maybe we ought
to start a "Crystal Blood Bank" for ballooners ;-)

On Thu, 13 Jun 2002 21:59:53 -0600
Jeff Melanson <kd7inn@...> wrote:
> Randy,
>
> Don't let it prevent you from posting, just thought you
> should know it happens.
>
> Jeff
>
> randy farley wrote:
> >
> > Yea i see that, and i don't know why,sorry.
> > This will be the last post from WORK until i
> > can figure it out i guess.
> >
> > On Wed, 12 Jun 2002 19:04:25 -0600
> > Jeff Melanson <kd7inn@...> wrote:
> > > Randy,
> > >
> > > In case you haven't noticed, everytime you post a
> message
> > > it
> > > gets posted twice. Hmmm...
> > >
> > > Jeff
> > >
> > > randy farley wrote:

> > > >
> > > > Hank
> > > >
> > > > Pictures speak louder than words to me sometimes
> ;-)
> > > > Thanks for the interpretation and reasoning for the
> > > values
> > > > from garmin.
> > > >
> > > > The HV model is the best all around unit then. I'm
> glad
> > > to
> > > > see this.
> > > >
> > > > The LV model must have been made so you can run it
> off
> > > a
> > > > laptop and use the 5v from a serial port ?
> > > >
> > > > Are switching regulators affected by low
> temperatures
> > > to
> > > > any significant degree?
> > > >
> > > > Stephanie, I'll take two now.
> > > >
> > > > On Tue, 11 Jun 2002 14:44:01 -0400
> > > > "Hank Riley" <n1ltv@...> wrote:
> > > > > >I think Garmin has 'helped' with the confusion
> by
> > > using
> > > > > two different
> > > > > >values for the current draw on the two units.
> > > > >
> > > > > What Garmin did was to give a current draw (in
> > > > > milliamperes)
> > > > > for the 3.6-6 unit, and a *power* draw (in
> > > milliwatts)
> > > > > for
> > > > > the 6-42 "high voltage" unit. The good reason
> for
> > > doing
> > > > > this
> > > > > is that the current drain is constant for the
> former,
> > > but
> > > > > not
> > > > > for the latter.
> > > > >
> > > > > This is due to the characteristics of switching

> > > > > regulators,
> > > > > one of which is in the 6-42 but not the 3.6-6.
> > > > >
> > > > > >My calculations show little difference in the
> two at
> > > the
> > > > > 6 volt level but I
> > > > > >don't trust my calculations.
> > > > >
> > > > > Stephanie, your arithmetic is correct. Using
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> > > > > values,
> > > > > the low voltage unit draws 120 milliamps; the
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> > > > > voltage
> > > > > at 6 volts draws 145 milliamperes and that
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> > > > > decreases
> > > > > with increasing supply current thanks to the
> > > switching
> > > > > regulator.
> > > > > At car voltage it will be down to about 65
> milliamps.
> > > > >
> > > > > To me, the high voltage unit is a very good all
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> > > > > unit
> > > > > and the one I'd go for, even if I did plan on
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> > > it
> > > > > once
> > > > > in a while.
> > > > >
> > > > > If it was exclusively for balloon use and
> *nothing*
> > > else,
> > > > > then
> > > > > the low voltage one would have a slight edge.
> > > > >
> > > > > I've attached a graph that shows how the current
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> > > > > for
> > > > > both types of Garmins.
> > > > >
> > > > > Hank
> > > > >
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> > > > >
> > > > > regards,
> > > > >
> > > > > Randy
> > > > >
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> > > regards,
> > >

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>

regards,

Randy

3079. Re: Double posts

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-14 16:39:29 UTC
From: n1ltv
Topic: 3076 Message: 3079

> After Hank's comment that he did not see doubles from me
> i thought, "Oh Heck" everyone else has a delete key anyway.

Just to put that in context, what I mentioned to Jeff and Randy is that the yahoogroups *webpage* is not registering double posts. I don't get email from TVNSP; I read from the website.

It later occurred to me that yahoogroups may have smart software that blocks redundant posts so that could be the explanation.

Folks, another gentle reminder to take a second to trim dangling garbage from old messages when you make replies. It's so easy to do and makes real nice looking replies that you can be proud of. :)

Hank

3080. Re: [tvnsp] GPS-35 order

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-14 19:11:14 UTC
From: Stephanie Steele
Topic: 3077 Message: 3080

Hi Mark,

PayPal will be an extra cost option (I have to pay a small percentage of the transaction amount to get the money as I have a commercial account) and there is no problem with whatever you guys need of the HVS as there are copious quantities of them. I would like to send in the order no later than Monday so try and get the quantities to me by then. I'll send payment instructions once I know what each person wants.

Stephanie

Mark Conner wrote:

> Stephanie,
>
> When are you expecting to place the order? I may have two or three
> from here, but TVNSP has first priority of course. Do you have PayPal?
>
> On a separate note, glad to hear the crystal thing worked out. By the
> time I had a chance to dig out my KPC-3, you had it installed and
> working.
>
> - Mark
>
>
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
>
>
>
>

--
Stephanie

****

"They that can give up essential liberty to obtain a little temporary safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

Are you tired of sending out email that shows the wear and tear of being forwarded 50 times. Are you tired of getting this same type of mail that is hard or impossible to read. Try out Message Cleaner. I use it and I recommend it. Here is a link to get your own copy.

Here's a link to a very handy email clean-up utility, check it out:

http://www.RoundhillSoftware.com/MessageCleaner?H6Ldj2XpI

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3081. Re: [tvnsp] GPS-35 order

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-14 19:11:39 UTC
From: Stephanie Steele
Topic: 3077 Message: 3081

Hi Mark,

PayPal will be an extra cost option (I have to pay a small percentage of the transaction amount to get the money as I have a commercial account) and there is no problem with whatever you guys need of the HVS as there are copious quantities of them. I would like to send in the order no later than Monday so try and get the quantities to me by then. I'll send payment instructions once I know what each person wants.

Stephanie

Mark Conner wrote:

> Stephanie,
>
> When are you expecting to place the order? I may have two or three
> from here, but TVNSP has first priority of course. Do you have PayPal?
>
> On a separate note, glad to hear the crystal thing worked out. By the
> time I had a chance to dig out my KPC-3, you had it installed and
> working.
>
> - Mark
>
>

--
Stephanie

****

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3082. Re: [tvnsp] Garmin GPS35 LVS and GPS35 HVS Units

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-14 20:54:40 UTC
From: Stephanie Steele
Topic: 3063 Message: 3082

I'll put you down for 10. I need to keep it a all-in-one order as that
is how I negotiated the deal. I'll let you know the total as soon as all
the orders are in.

Ok TVNSP gang, they are going fast now. Get your orders in!!!

Stephanie

Craig Brunson wrote:

> Stephanie-
>
> I just talked to my boss & he said we might be interested in up to 10 of the
> HVS units if there are any left. We use them on all of our launches & this
> would be a good savings. Would you want us to go through you (to get a
> bigger order) or to wait until you are finished & go to the supplier direct?
> Either way would be ok with us. Let me know & I will relay the message to
> him.
>
> By the way, I will be at the river festival, crewing for one of the balloons
> from up here.
>
> 73
> Craig
> N7TSZ
>
>
> ----- Original Message -----
> From: "Stephanie Steele" <stephanie@...>
> To: <tvnsp@yahoogroups.com>
> Sent: Wednesday, June 12, 2002 4:45 PM
> Subject: [tvnsp] Garmin GPS35 LVS and GPS35 HVS Units
>
>
>
>>Hi everyone,
>>
>>I have firm quotes now from the sellers of these two units. There are 8
>> LVS units available and 32 HVS units. The LVS units are OEM (which
>>means the cabling is bare, you add your own serial connector & power
>>connector). Price is $106 each plus shipping to you for the LVS and $80
>>plus shipping to me and to you on the HVS (probably around $90 plus or
>>minus a few bucks). For those out of the Treasure Valley who inquired I
>>will ship to you in one box for your distribution to your groups. I need
>>to know from everyone how many of each model you want. I'll send you
>>back your total and will need payment right away as I obviously can not

>>front this much money myself.
>>
>>Hope this helps everyone out in your search for these units.
>>
>>
>>--
>>Stephanie
>>
>
>
>
>
>

--
Stephanie

****

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safety deserve neither liberty nor safety."

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3083. Re: [tvnsp] Garmin GPS35 LVS and GPS35 HVS Units

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-14 21:49:12 UTC
From: Tim Rynearson
Topic: 3063 Message: 3083
Attachments: 2 described; binary payloads are missing from this source WARC

Stephanie...
Just wanted to make sure you've got me down for one HVS unit......

Tim

-------Original Message-------

From:tvnsp@yahoogroups.com
Date: Friday, June 14, 2002 02:49:52 PM
To:Craig Brunson; tvnsp@yahoogroups.com
Subject: Re: [tvnsp] Garmin GPS35 LVS and GPS35 HVS Units

I'll put you down for 10. I need to keep it a all-in-one order as that
is how I negotiated the deal. I'll let you know the total as soon as all
the orders are in.

Ok TVNSP gang, they are going fast now. Get your orders in!!!

Stephanie

Craig Brunson wrote:

> Stephanie-
>
> I just talked to my boss & he said we might be interested in up to 10 of
the
> HVS units if there are any left. We use them on all of our launches & this
> would be a good savings. Would you want us to go through you (to get a
> bigger order) or to wait until you are finished & go to the supplier
direct?
> Either way would be ok with us. Let me know & I will relay the message to
> him.
>
> By the way, I will be at the river festival, crewing for one of the
balloons
> from up here.
>
> 73
> Craig
> N7TSZ
>
>
> ----- Original Message -----
> From: "Stephanie Steele" <stephanie@...>
> To: <tvnsp@yahoogroups.com>
> Sent: Wednesday, June 12, 2002 4:45 PM

> Subject: [tvnsp] Garmin GPS35 LVS and GPS35 HVS Units
>
>
>
>>Hi everyone,
>>
>>I have firm quotes now from the sellers of these two units. There are 8
>> LVS units available and 32 HVS units. The LVS units are OEM (which
>>means the cabling is bare, you add your own serial connector & power
>>connector). Price is $106 each plus shipping to you for the LVS and $80
>>plus shipping to me and to you on the HVS (probably around $90 plus or
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>>to know from everyone how many of each model you want. I'll send you
>>back your total and will need payment right away as I obviously can not
>>front this much money myself.
>>
>>Hope this helps everyone out in your search for these units.
>>
>>
>>--
>>Stephanie
>>
>
>
>
>
>

--
Stephanie

****

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Here's a link to a very handy email clean-up utility, check it out:

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3084. Crystal thing and TinyTrackII

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-14 23:27:56 UTC
From: Jeff Melanson
Topic: 3084 Message: 3084

Mark Conner wrote:

> On a separate note, glad to hear the crystal thing worked out. By the
> time I had a chance to dig out my KPC-3, you had it installed and
> working.
>
> - Mark

Hi Mark,

That was me with the crystal thing. Thanks for the offer
anyway. Don't lose those crystals just in case.

I believe you used a TinyTrackII in one of your flights. How
did that work out? I'm planning on using one in the future
and want to know if there's any gotcha's.

Jeff
KD7INN

3085. Re: [tvnsp] Crystal thing and TinyTrackII

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-15 01:03:19 UTC
From: Mark Conner
Topic: 3084 Message: 3085

The main "gotcha" to watch out for is too much RF back into the TinyTrak unit. This will lock it up, usually in a key-down mode. So make sure you test the unit in its flight orientation and power levels.

73 de Mark N9XTN
----- Original Message -----
From: Jeff Melanson
To: tvnsp@yahoogroups.com
Sent: Friday, June 14, 2002 18:27
Subject: [tvnsp] Crystal thing and TinyTrackII

I believe you used a TinyTrackII in one of your flights. How
did that work out? I'm planning on using one in the future
and want to know if there's any gotcha's.

Jeff
KD7INN

3086. What are people's experience with Kaysam balloons?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-17 00:35:21 UTC
From: Zack Clobes
Topic: 3086 Message: 3086

I talked to one of their sales people and it sounds like they're the same price as Kaymont, but she was actually eager to sale me a balloon!

Any gotcha's that I should be aware of?

Zack Clobes, W0ZC
Project: Traveler

3087. Re: [KNSP] What are people's experience with Kaysam balloons?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-17 18:58:54 UTC
From: Mark Conner
Topic: 3087 Message: 3087

I flew 2 of their 650's (NWS standard). The main difference is
that
for at least that size, the neck is substantially larger. I
think I
used 1-1/4" PVC pipe for a fill hose - need to verify this.
Check my
2000 flights for results at
http://members.cox.net/mconner1/nstar2000-01.html .

Also, Kaysams are a two-piece balloon. The neck is one piece and
the
round part of the balloon is another. They're joined by a
lightweight
plastic ring. I think I still have the remnants of one and can
e-mail
a picture.

- Mark

> ----- Original Message -----
> From: Zack Clobes <zclobes@...>
> Date: Sunday, June 16, 2002 7:35 pm
> Subject: [KNSP] What are people's experience with Kaysam
balloons?
>
> > I talked to one of their sales people and it sounds like
they're
> > the same price as Kaymont, but she was actually eager to sale
me a
> > balloon!
> > Any gotcha's that I should be aware of?
> >
> > Zack Clobes, W0ZC
> > Project: Traveler
> >
>

3088. Re: [tvnsp] Garmin GPS35 LVS and GPS35 HVS Units

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-17 21:33:17 UTC
From: Stephanie Steele
Topic: 3063 Message: 3088

Last call for anyone wanting to get in on this purchase. I will be placing the order tomorrow.

Stephanie

3089. Re: [tvnsp] Garmin GPS35 LVS and GPS35 HVS Units

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-18 00:10:45 UTC
From: Doug Rich
Topic: 3063 Message: 3089

Be sure to send us payment instructions, as promised.
Doug W7DVR

>Last call for anyone wanting to get in on this purchase. I will be
>placing the order tomorrow.
>
>Stephanie

3090. More GPSL frequency coordination items

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-18 04:11:49 UTC
From: Mark Conner
Topic: 3090 Message: 3090

A few questions for some of the groups planning to fly next month.

I define "time-slotting" as the ability to keep your transmissions between X and Y seconds after the minute, using the time reported in the NMEA output from your GPS.

EOSS: Can your 144.34 payload time-slot its beacons? What callsigns will you be using?

TVNSP: I believe you're using the KPC-3+ second serial port to control transmissions for your 144.34 payload - is this correct? If so, you can therefore time-slot. Are you planning to fly a backup beacon - if so on what frequency? What callsigns will be used?

WB8ELK: Can you time-slot your 144.34 beacons? If not, does it beacon every X seconds, or is it semi-random? What call do you plan to use?

KD0FW: Is it OK to change your simplex repeater to 147.585, or do you have another frequency you'd prefer?

Traveler: You sent me e-mail earlier that your programming will not time-slot. Is it every X seconds, or semi-random? I think as long as it's not too close to 60 seconds for a repeat interval we shouldn't have a problem.

ANSR: since you're transmitting on 70cm you can set up your telemetry as you wish.

I would like to use a 70cm frequency for chase comms - if we use 2m we'll desense our data reception (though ANSR has the opposite problem). We'll probably select a convenient "rally point" near the predicted landings for everyone to head towards after they recover their payloads so everyone knows where to go if they lose comm with the rest. Depending on where we end up going, cell phone coverage ranges fair to none. I have no problems using the NSTAR simplex repeater (if it flies) as a chase frequency - this will let distant stations listen in on the fun.

Once I get answers back on the above, I'll work out a strawman proposal for the division of clock times and intervals to be used.

73 de Mark N9XTN

3091. Re: [tvnsp] More GPSL frequency coordination items

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-18 17:37:26 UTC
From: Zack Clobes
Topic: 3090 Message: 3091

Currently, we transmit the following:
GPGGA
wait 2 seconds
GPRMC
wait about 30 seconds
GPGGA
wait 2 seconds
GPRMC
wait 2 seconds
Telemetry data
wait about 30 seconds
repeat.

I guess to answer your question, yes, we are constantly revolving and shouldn't get stuck on top of any one slot. I think maybe we should drop one of our RMC's for this flight though.

Zack Clobes, W0ZC
Project: Traveler
----- Original Message -----
From: Mark Conner
To: GPSL List
Cc: TVNSP List
Sent: Monday, June 17, 2002 11:11 PM
Subject: [tvnsp] More GPSL frequency coordination items

A few questions for some of the groups planning to fly next month.

I define "time-slotting" as the ability to keep your transmissions between X and Y seconds after the minute, using the time reported in the NMEA output from your GPS.

EOSS: Can your 144.34 payload time-slot its beacons? What callsigns will you be using?

TVNSP: I believe you're using the KPC-3+ second serial port to control transmissions for your 144.34 payload - is this correct? If so, you can therefore time-slot. Are you planning to fly a backup beacon - if so on what frequency? What callsigns will be used?

WB8ELK: Can you time-slot your 144.34 beacons? If not, does it beacon every X seconds, or is it semi-random? What call do you plan to use?

KD0FW: Is it OK to change your simplex repeater to 147.585, or do you have another frequency you'd prefer?

Traveler: You sent me e-mail earlier that your programming will not time-slot. Is it every X seconds, or semi-random? I think as long as it's not too close to 60 seconds for a repeat interval we shouldn't have a problem.

ANSR: since you're transmitting on 70cm you can set up your telemetry as you wish.

I would like to use a 70cm frequency for chase comms - if we use 2m we'll desense our data reception (though ANSR has the opposite problem). We'll probably select a convenient "rally point" near the predicted landings for everyone to head towards after they recover their payloads so everyone knows where to go if they lose comm with the rest. Depending on where we end up going, cell phone coverage ranges fair to none. I have no problems using the NSTAR simplex repeater (if it flies) as a chase frequency - this will let distant stations listen in on the fun.

Once I get answers back on the above, I'll work out a strawman proposal for the division of clock times and intervals to be used.

73 de Mark N9XTN

To unsubscribe from this group, send an email to:
tvnsp-unsubscribe@egroups.com

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3092. Re: [KNSP] What are people's experience with Kaysam balloons?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-17 15:43:33 UTC
From: Mark Conner
Topic: 3087 Message: 3092

I flew 2 of their 650's (NWS standard). The main difference is that for at least that size, the neck is substantially larger. I think I used 1-1/4" PVC pipe for a fill hose - need to verify this. Check my 2000 flights for results at http://members.cox.net/mconner1/nstar2000-01.html .

Also, Kaysams are a two-piece balloon. The neck is one piece and the round part of the balloon is another. They're joined by a lightweight plastic ring. I think I still have the remnants of one and can e-mail a picture.

- Mark

----- Original Message -----
From: Zack Clobes <zclobes@...>
Date: Sunday, June 16, 2002 7:35 pm
Subject: [KNSP] What are people's experience with Kaysam balloons?

> I talked to one of their sales people and it sounds like they're
> the same price as Kaymont, but she was actually eager to sale me a
> balloon!
> Any gotcha's that I should be aware of?
>
> Zack Clobes, W0ZC
> Project: Traveler
>

3093. I'm Back

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-18 19:53:57 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3093 Message: 3093

I got back last night. I need to leave again on Monday. Is anyone interested in meeting before then to discuss GPSL? We also need to set the next TVNSP launch date.

For then remainder of this week, I'm going to focus on GPSL.

Paul

3094. Re: [tvnsp] I'm Back

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-18 19:59:20 UTC
From: Stephanie Steele
Topic: 3093 Message: 3094

Paul,

Did you hear about the GPS 35 units I found? I am placing the order later today for them. If you missed it the deal is GPS35 LVS units for $100 and GPS35 HVS units for just under that. Let me know if you want in.

Stephanie

verhap@... wrote:
> I got back last night. I need to leave again on Monday. Is anyone
> interested in meeting before then to discuss GPSL? We also need
> to set the next TVNSP launch date.
>
> For then remainder of this week, I'm going to focus on GPSL.
>
> Paul
>
>
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>
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>
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>
>
>

--
Stephanie

****

"They that can give up essential liberty to obtain a little temporary safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

Are you tired of sending out email that shows the wear and tear of being forwarded 50 times. Are you tired of getting this same type of mail that is hard or impossible to read. Try out Message Cleaner. I use it and I recommend it. Here is a link to get your own copy.

Here's a link to a very handy email clean-up utility, check it out:

http://www.RoundhillSoftware.com/MessageCleaner?H6Ldj2XpI

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3095. Re: [tvnsp] I'm Back

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-19 05:13:17 UTC
From: Jeff Melanson
Topic: 3093 Message: 3095

Hi TVNSP,

I just spoke to Paul on the phone. We want to have a meeting while he is in town. We will meet at Jade Garden at 6:30 pm on Friday. Paul will be discussing what his plans are for the Great Plains Super Launch. We will also discuss plans for future flights.
One other topic will be our meeting format. It has been noted that our construction meetings are not to efficient. This is because we don't get as much work done at these meetings for the amount of time spent as we do at home. Also not everyone is interested in building a capsule. Some of us don't necessarily want to build a capsule but would rather do other things such as launch and chase crew or operate a home base station. The meetings should be more for the business end of things and for training. Training would be things like flight predictions using balloon track, how to forecast, launch procedures, learning the BASIC stamp, using liftwin, etc. With this format we can hold our meetings at a more centrally located place to where we all live. For those of us doing construction we can meet elsewhere. Let's all come to Friday's meeting and put in our two cents worth.
For those of us doing capsule construction we are meeting at my house on Saturday at 10 am. Stephanie will be bringing her capsule, Randy will bring his radio for the antenna mod. Paul will be bringing his stuff and I will be working on my APRS only small capsule. Anyone else have a project you need help on? Bring it with you.

Please reply if you are coming to the Friday meeting so we have an idea of how many will be there.

Jeff
KD7INN

verhap@... wrote:
>
> I got back last night. I need to leave again on Monday. Is anyone
> interested in meeting before then to discuss GPSL? We also need
> to set the next TVNSP launch date.
>
> For then remainder of this week, I'm going to focus on GPSL.
>
> Paul

3096. Friday Meeting (was I'm back)

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-19 13:25:17 UTC
From: Mike Garske
Topic: 3096 Message: 3096

I will be at the Friday meeting Jeff.....

Mike KC7DPD
----- Original Message -----
From: "Jeff Melanson" <kd7inn@...>
To: <tvnsp@yahoogroups.com>
Sent: Tuesday, June 18, 2002 11:13 PM
Subject: Re: [tvnsp] I'm Back

> Hi TVNSP,
>
> I just spoke to Paul on the phone. We want to have a meeting
> while he is in town. We will meet at Jade Garden at 6:30 pm
> on Friday. Paul will be discussing what his plans are for
> the Great Plains Super Launch. We will also discuss plans
> for future flights.
> One other topic will be our meeting format. It has been
> noted that our construction meetings are not to efficient.
> This is because we don't get as much work done at these
> meetings for the amount of time spent as we do at home. Also
> not everyone is interested in building a capsule. Some of us
> don't necessarily want to build a capsule but would rather
> do other things such as launch and chase crew or operate a
> home base station. The meetings should be more for the
> business end of things and for training. Training would be
> things like flight predictions using balloon track, how to
> forecast, launch procedures, learning the BASIC stamp, using
> liftwin, etc. With this format we can hold our meetings at a
> more centrally located place to where we all live. For those
> of us doing construction we can meet elsewhere. Let's all
> come to Friday's meeting and put in our two cents worth.
> For those of us doing capsule construction we are meeting at
> my house on Saturday at 10 am. Stephanie will be bringing
> her capsule, Randy will bring his radio for the antenna mod.
> Paul will be bringing his stuff and I will be working on my
> APRS only small capsule. Anyone else have a project you need
> help on? Bring it with you.
>
> Please reply if you are coming to the Friday meeting so we
> have an idea of how many will be there.
>
> Jeff
> KD7INN
>
>

> verhap@... wrote:
> >
> > I got back last night. I need to leave again on Monday. Is anyone
> > interested in meeting before then to discuss GPSL? We also need
> > to set the next TVNSP launch date.
> >
> > For then remainder of this week, I'm going to focus on GPSL.
> >
> > Paul
>
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>
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>
>
>
>

3097. Re: [tvnsp] I'm Back

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-19 14:26:37 UTC
From: randy farley
Topic: 3093 Message: 3097

Jeff

I forgot that i have Field Day commitments this weekend.
I volunteered to demonstrating APRS and Balloon tracking.
to interested visitors. Have old balloon data i can
display on the maps for people to see.

We covered a lot of topics last week, so i don't feel
i will miss too much, except for the camaraderie.
I can save the radio mod. for next time.

On Tue, 18 Jun 2002 23:13:17 -0600
Jeff Melanson <kd7inn@...> wrote:
> Hi TVNSP,
>
> I just spoke to Paul on the phone. We want to have a
> meeting
> while he is in town. We will meet at Jade Garden at 6:30
> pm
> on Friday. Paul will be discussing what his plans are for
> the Great Plains Super Launch. We will also discuss plans
> for future flights.
> One other topic will be our meeting format. It has been
> noted that our construction meetings are not to
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> This is because we don't get as much work done at these
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> Also
> not everyone is interested in building a capsule. Some of
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> do other things such as launch and chase crew or operate
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> forecast, launch procedures, learning the BASIC stamp,
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> more centrally located place to where we all live. For
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> For those of us doing capsule construction we are meeting
> at
> my house on Saturday at 10 am. Stephanie will be bringing
> her capsule, Randy will bring his radio for the antenna
> mod.
> Paul will be bringing his stuff and I will be working on
> my
> APRS only small capsule. Anyone else have a project you
> need
> help on? Bring it with you.
>
> Please reply if you are coming to the Friday meeting so
> we
> have an idea of how many will be there.
>
> Jeff
> KD7INN
>
>
> verhap@... wrote:
> >
> > I got back last night. I need to leave again on
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> > interested in meeting before then to discuss GPSL? We
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> > to set the next TVNSP launch date.
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> >
> > Paul
>
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>
>

regards,

Randy

3098. Re: I'm Back

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-19 14:36:59 UTC
From: kd7pit
Topic: 3093 Message: 3098

I can't make it to Friday meeting, have a night summer class at that time.

Justin, KD7PIT

3099. Re: [tvnsp] I'm Back

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-19 14:55:20 UTC
From: John Knapp
Topic: 3093 Message: 3099

Unless I have to work I will be there. Deb may not be
able to make it though.

JohnK
KD7HGS
--- Jeff Melanson <kd7inn@...> wrote:
> Hi TVNSP,
>
> I just spoke to Paul on the phone. We want to have a
> meeting
> while he is in town. We will meet at Jade Garden at
> 6:30 pm
> on Friday. Paul will be discussing what his plans
> are for
> the Great Plains Super Launch. We will also discuss
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> business end of things and for training. Training
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> stamp, using
> liftwin, etc. With this format we can hold our
> meetings at a
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> For those
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> Let's all

> come to Friday's meeting and put in our two cents
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> APRS only small capsule. Anyone else have a project
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> help on? Bring it with you.
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> Please reply if you are coming to the Friday meeting
> so we
> have an idea of how many will be there.
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> Jeff
> KD7INN
>
>
> verhap@... wrote:
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> > interested in meeting before then to discuss GPSL?
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> > to set the next TVNSP launch date.
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> > For then remainder of this week, I'm going to
> focus on GPSL.
> >
> > Paul
>

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3100. Garmin GPS35 HVS & LVS - Payment Instructions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-19 18:43:13 UTC
From: Stephanie Steele
Topic: 3100 Message: 3100

Hi members/friends of TVNSP,

Ok, this deal is finally done. Here are the payment details. Please pay close attention to the PayPal information if you intend to pay that way. Two have already paid me to the wrong account. Please use the one listed below.

For the HVS units:

Price delivered when I see you - $83.00
Price with shipping - $89.00
Price with shipping using PayPal - $92.30

For the LVS units:

Price delivered when I see you - $106.00
Price with shipping - $112.00
Price with shipping using PayPal - $115.30

Send PayPal payments to:

kc7dba@...

If you wish to send a check or money order the address is:

Stephanie Steele
817 Orchard Park Drive
Fruitland, ID 83619

If you ordered more than one unit just add the above amounts. Yes, I will pocket any excess shipping in these instances. I am still working on getting some small accessories for these so you MAY find something extra in your package. With the number of these that I am going to handle I can't afford the time to break it down any more than this. This went from a small project to a 30+ order so I hope you can understand. Hope this does not offend anyone but it's just reality.

Here are the persons I have on the list. If you are not on here and wish one, drop me a note but do not pay for it. I will let you know once the dust settles if there are any left. Please excuse if I misspell your name as I am working off a scratch list. Also, if you have not specified HVS or LVS please let me know right away or you may lose yours.

BTW, donations to the 'you are sure great to do this Stephanie' fund are gladly accepted ;-)

Mark Conner 1 & 1
Tim Rynearson 1 HVS

Bill Herman 1 HVS
Steve Schwartz 1 HVS
Tony Barrett 2 HVS
Doug Rick 1 HVS
Jeff Melanson 2 HVS
Randy Farley 1 & 1
Chuck Smith 1 unknown type
Cap Pennell 1 HVS
Paul Verhage 1 LVS
Eric Johnson 1 HVS
David Titus 1 HVS
Gary Zimmerman 1 HVS
Patrick Friend 1 HVS
John Kisela 1 HVS
Bob Donnell 1 HVS
Robert Sutton 2 HVS
Ron Rueter 2 unknown type
Ron Reeves 1 unknown type

--
Stephanie

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

Are you tired of sending out email that shows the wear and tear of being
forwarded 50 times. Are you tired of getting this same type of mail that
is hard or impossible to read. Try out Message Cleaner. I use it and I
recommend it. Here is a link to get your own copy.

Here's a link to a very handy email clean-up utility, check it out:

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3101. Garmin GPS 35 HVS & LVS - Payment Details

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-19 18:47:18 UTC
From: Stephanie Steele
Topic: 3101 Message: 3101

Hi members/friends of TVNSP,

Ok, this deal is finally done. Here are the payment details. Please pay close attention to the PayPal information if you intend to pay that way. Two have already paid me to the wrong account. Please use the one listed below.

For the HVS units:

Price delivered when I see you - $83.00
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BTW, donations to the 'you are sure great to do this Stephanie' fund are gladly accepted ;-)

Mark Conner 1 & 1
Tim Rynearson 1 HVS

Bill Herman 1 HVS
Steve Schwartz 1 HVS
Tony Barrett 2 HVS
Doug Rick 1 HVS
Jeff Melanson 2 HVS
Randy Farley 1 & 1
Chuck Smith 1 unknown type
Cap Pennell 1 HVS
Paul Verhage 1 LVS
Eric Johnson 1 HVS
David Titus 1 HVS
Gary Zimmerman 1 HVS
Patrick Friend 1 HVS
John Kisela 1 HVS
Bob Donnell 1 HVS
Robert Sutton 2 HVS
Ron Rueter 2 unknown type
Ron Reeves 1 unknown type

--
Stephanie

****

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Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
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President Thomas Jefferson.
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forwarded 50 times. Are you tired of getting this same type of mail that
is hard or impossible to read. Try out Message Cleaner. I use it and I
recommend it. Here is a link to get your own copy.

Here's a link to a very handy email clean-up utility, check it out:

http://www.RoundhillSoftware.com/MessageCleaner?H6Ldj2XpI

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3102. Need Balloon

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-19 21:46:11 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3102 Message: 3102

I don't have a balloon from Kaymont yet (they were on back order).
Mike, can you bring a 1200 gram balloon to the meeting? I'll swap
my balloon on order for this one.

Thanks,
Paul

3103. Re: [tvnsp] Need Balloon

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-19 21:59:07 UTC
From: Mike Garske
Topic: 3102 Message: 3103

I will bring the balloon!

Mike KC7DPD

> I don't have a balloon from Kaymont yet (they were on back order).
> Mike, can you bring a 1200 gram balloon to the meeting? I'll swap
> my balloon on order for this one.
>
> Thanks,
> Paul

>

3104. Big ole government balloon may be in the hood Saturday

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-20 03:33:50 UTC
From: Hank Riley
Topic: 3104 Message: 3104

This government balloon program has a fair amount of cancellations,
but if this one goes up it will be a biggie! This is a post from
the EOSS balloon list.

Hank

Hi Cec,

Wow! 48 hrs puts you on the deck Saturday - and western Idaho
looks like a great recovery site. I'll pass the word to
Paul Verhage in Boise - he's a very experienced balloonist.
You'll be beaconing APRS on 144.39 as KB0TVJ-11, right?

Good luck and happy landings!

Mike

Cecilia Girz wrote:
>
> The GAINS balloon is fully inflated in the hangar in Tillamook
> and the torus instruments are awake. Today we wil be doing some
> final tasks on our checklist, and are on hold for a 48-h
> flight on Thursday morning. The AVN forecast is for a landing
> location in extreme western Idaho. A GO/NoGO decision will be
> made later this afternoon.
>
> Cec

--
Mike Manes manes@... Tel: 303-979-4899

Do You Yahoo!?
Yahoo! - Official partner of 2002 FIFA World Cup
http://fifaworldcup.yahoo.com

3105. Re: [tvnsp] Big ole government balloon may be in the hood Saturday

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-20 03:48:53 UTC
From: Craig Brunson
Topic: 3104 Message: 3105

As of 6 PM, We are on a 24 hr hold and are going to work at the normal time tomorrow morning. We hope to launch Friday morning. Originally it was to come down somewhere around Grangeville, but the last prediction is SE Washington. We will see what happens in the morning. We have 3 separate trackers, with 2 on government frequencies & one National APRS. I can post a jpg of the predicted path tomorrow night if anyone wants it.

The web site for this project is at: http://www-frd.fsl.noaa.gov/mab/sdb/

73
Craig
N7TSZ

----- Original Message -----
From: "Hank Riley" <n1ltv@...>
To: <tvnsp@yahoogroups.com>
Sent: Wednesday, June 19, 2002 8:33 PM
Subject: [tvnsp] Big ole government balloon may be in the hood Saturday

> This government balloon program has a fair amount of cancellations,
> but if this one goes up it will be a biggie! This is a post from
> the EOSS balloon list.
>
> Hank
> ------------------
>
> Hi Cec,
>
> Wow! 48 hrs puts you on the deck Saturday - and western Idaho
> looks like a great recovery site. I'll pass the word to
> Paul Verhage in Boise - he's a very experienced balloonist.
> You'll be beaconing APRS on 144.39 as KB0TVJ-11, right?
>
> Good luck and happy landings!
>
> Mike
>
> Cecilia Girz wrote:
> >
> > The GAINS balloon is fully inflated in the hangar in Tillamook
> > and the torus instruments are awake. Today we wil be doing some
> > final tasks on our checklist, and are on hold for a 48-h
> > flight on Thursday morning. The AVN forecast is for a landing
> > location in extreme western Idaho. A GO/NoGO decision will be
> > made later this afternoon.
> >

> > Cec
>
> --
> Mike Manes manes@... Tel: 303-979-4899

3106. Re: [tvnsp] Big ole government balloon may be in the hood Saturday

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-20 04:24:17 UTC
From: Jeff Melanson
Topic: 3104 Message: 3106

Craig,

Yes, please post the predicted path.

Thanks,
Jeff

Craig Brunson wrote:
>
> As of 6 PM, We are on a 24 hr hold and are going to work at the normal time
> tomorrow morning. We hope to launch Friday morning. Originally it was to
> come down somewhere around Grangeville, but the last prediction is SE
> Washington. We will see what happens in the morning. We have 3 separate
> trackers, with 2 on government frequencies & one National APRS. I can post
> a jpg of the predicted path tomorrow night if anyone wants it.
>
> The web site for this project is at: http://www-frd.fsl.noaa.gov/mab/sdb/
>
> 73
> Craig
> N7TSZ
>
> ----- Original Message -----
> From: "Hank Riley" <n1ltv@...>
> To: <tvnsp@yahoogroups.com>
> Sent: Wednesday, June 19, 2002 8:33 PM
> Subject: [tvnsp] Big ole government balloon may be in the hood Saturday
>
> > This government balloon program has a fair amount of cancellations,
> > but if this one goes up it will be a biggie! This is a post from
> > the EOSS balloon list.
> >
> > Hank
> > ------------------
> >
> > Hi Cec,
> >
> > Wow! 48 hrs puts you on the deck Saturday - and western Idaho
> > looks like a great recovery site. I'll pass the word to
> > Paul Verhage in Boise - he's a very experienced balloonist.
> > You'll be beaconing APRS on 144.39 as KB0TVJ-11, right?
> >
> > Good luck and happy landings!
> >
> > Mike
> >

> > Cecilia Girz wrote:
> > >
> > > The GAINS balloon is fully inflated in the hangar in Tillamook
> > > and the torus instruments are awake. Today we wil be doing some
> > > final tasks on our checklist, and are on hold for a 48-h
> > > flight on Thursday morning. The AVN forecast is for a landing
> > > location in extreme western Idaho. A GO/NoGO decision will be
> > > made later this afternoon.
> > >
> > > Cec
> >
> > --
> > Mike Manes manes@... Tel: 303-979-4899
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

3107. Re: [tvnsp] Big ole government balloon may be in the hood Saturday

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-20 04:55:46 UTC
From: Craig Brunson
Topic: 3104 Message: 3107
Attachments: 1 described; binary payloads are missing from this source WARC

here was this afternoon's prediction

Craig

----- Original Message -----
From: "Jeff Melanson" <kd7inn@...>
To: <tvnsp@yahoogroups.com>
Sent: Wednesday, June 19, 2002 9:24 PM
Subject: Re: [tvnsp] Big ole government balloon may be in the hood Saturday

3108. Re: [tvnsp] Big ole government balloon may be in the hood Saturday

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-20 15:12:14 UTC
From: randy farley
Topic: 3104 Message: 3108

WOW!, what great timing.
This will be perfect for My Field Day demonstration
station if it stays on schedule. Got a couple of
young hams planning on attending, so this should
light their fire.

Only downside,i would love to go track it too.

Thanks for posting Hank. Glad someone has the time to keep
abreast of all the balloon stuff.

Good luck Craig and the crew.

On Wed, 19 Jun 2002 20:33:50 -0700 (PDT)
Hank Riley <n1ltv@...> wrote:
> This government balloon program has a fair amount of
> cancellations,
> but if this one goes up it will be a biggie! This is a
> post from
> the EOSS balloon list.
>
> Hank

3109. [tvnsp] Garmin GPS35 HVS & LVS - Payment Instructions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-20 15:41:13 UTC
From: Stephanie Steele
Topic: 3100 Message: 3109

Hi members/friends,

Thanks to those who have paid or sent information regarding their payment method. To the others, please pay up asap. I have $3000+ hanging out based upon your stated committments. Just in case you missed them, here are the payment details. Please pay close attention to the PayPal information if you intend to pay that way. I really prefer this payment method if you are interested. It really simplifies things for handling these payments. If you are using PayPal please use the account listed below.

For the HVS units:

Price delivered when I see you - $83.00
Price with shipping - $89.00
Price with shipping using PayPal - $92.30

For the LVS units:

Price delivered when I see you - $106.00
Price with shipping - $112.00
Price with shipping using PayPal - $115.30

Send PayPal payments to:

kc7dba@...

If you wish to send a check or money order the address is:

Stephanie Steele
817 Orchard Park Drive
Fruitland, ID 83619

If you ordered more than one unit just add the above amounts. Yes, I will pocket any excess shipping in these instances. I am still working on getting some small accessories for these so you MAY find something extra in your package. With the number of these that I am going to handle I can't afford the time to break it down any more than this. This went from a small project to a 30+ order so I hope you can understand. Hope this does not offend anyone but it's just reality.

Here are the persons I have on the list. If you are not on here and wish one, drop me a note but do not pay for it. I will let you know once the dust settles if there are any left. Please excuse if I misspell your name as I am working off a scratch list. Also, if you have not specified HVS or LVS please let me know right away or you may lose yours.

BTW, donations to the 'you are sure great to do this Stephanie' fund are gladly accepted ;-)

Mark Conner 1 & 1
Tim Rynearson 1 HVS
Bill Herman 1 HVS
Steve Schwartz 1 HVS
Tony Barrett 2 HVS
Doug Rick 1 HVS
Jeff Melanson 2 HVS
Randy Farley 1 & 1
Chuck Smith 1 unknown type
Cap Pennell 1 HVS
Paul Verhage 1 LVS
Eric Johnson 1 HVS
David Titus 1 HVS
Gary Zimmerman 1 HVS
Patrick Friend 1 HVS
John Kisela 1 HVS
Bob Donnell 1 HVS
Robert Sutton 2 HVS
Ron Rueter 2 unknown type
Ron Reeves 1 unknown type

--
Stephanie

****

"They that can give up essential liberty to obtain a little temporary safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

Are you tired of sending out email that shows the wear and tear of being forwarded 50 times. Are you tired of getting this same type of mail that is hard or impossible to read. Try out Message Cleaner. I use it and I recommend it. Here is a link to get your own copy.

Here's a link to a very handy email clean-up utility, check it out:

http://www.RoundhillSoftware.com/MessageCleaner?H6Ldj2XpI

****

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tvnsp-unsubscribe@egroups.com

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3110. (Fwd) Re: GAINS flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-20 19:35:00 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3110 Message: 3110

Folks, we may have a chase this Saturday. Below is the
message. Talk to you on Friday.

Paul

------- Forwarded Message Follows -------
Date sent: Wed, 19 Jun 2002 20:39:28 -0600
From: Mike Manes <manes@...>
To: Cecilia Girz <Cecilia.Girz@...>
Copies to: macdonald@..., collander@...,
jamison@..., bjohnson@...,
truecut@..., tshlng@..., koch@...,
EOSS membership reflector <EOSS@yahoogroups.com>,
Paul Vehage KD4STH <verhap@...>
Subject: Re: GAINS flight

Hi Cec,

Wow! 48 hrs puts you on the deck Saturday - and western Idaho
looks like a great recovery site. I'll pass the word to
Paul Verhage in Boise - he's a very experienced balloonist.
You'll be beaconing APRS on 144.39 as KB0TVJ-11, right?

Good luck and happy landings!

Mike

Cecilia Girz wrote:
>
> The GAINS balloon is fully inflated in the hangar in Tillamook
> and the torus instruments are awake. Today we wil be doing some
> final tasks on our checklist, and are on hold for a 48-h
> flight on Thursday morning. The AVN forecast is for a landing
> location in extreme western Idaho. A GO/NoGO decision will be
> made later this afternoon.
>
> Cec

--
Mike Manes manes@... Tel: 303-979-4899
"Things should be made as simple as possible, but not more so." A.
Einstein

3111. Etrex back from Garmin

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-21 00:02:35 UTC
From: Jeff Melanson
Topic: 3111 Message: 3111

Hi all,

Garmin repaired my Etrex (the one that had a collision with
the planet). Their method of repair was to replace it. The
new one works great. Thought you'd like to know.

Jeff
KD7INN

3112. Directions to my workshop.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-21 00:19:16 UTC
From: Jeff Melanson
Topic: 3112 Message: 3112

Hi TVNSP,

For those of you coming over on Saturday at 10 am to work on capsule construction here are the directions. Click on the link below for the address and Lat/Lon then click on MAP. I live in the blue house on the corner.

http://www.qrz.com/detail/KD7INN

Jeff
KD7INN

3113. Re: [tvnsp] Big ole government balloon may be in the hood Saturday

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-21 03:22:55 UTC
From: Jeff Melanson
Topic: 3104 Message: 3113

Hi Craig,

Is this flight still on schedule?

What is the current prediction?

Jeff

Craig Brunson wrote:
>
> here was this afternoon's prediction
>
> Craig

3114. Re: [tvnsp] Big ole government balloon may be in the hood Saturday

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-21 03:31:51 UTC
From: Craig Brunson
Topic: 3104 Message: 3114

We tried very hard to shove the balloon out the end of the hangar today, but it kept coming back.....;-)
We will send it up bright & early Friday.

With it going till Sunday morning, you should be able to see it from the Field Day site.

It will be going further North towards Spokane, according to the last plot I saw. They will do another at midnight & one in the morning to see where to chase it. Who knows, it may turn around & head South. We will see. I will try to send out another direction in the morning, if I have time & can get to my work PC.

Have a good weekend-

73
Craig

----- Original Message -----
From: "randy farley" <rdfarley@...>

> WOW!, what great timing.
> This will be perfect for My Field Day demonstration
> station if it stays on schedule. Got a couple of
> young hams planning on attending, so this should
> light their fire.
>
> Only downside,i would love to go track it too.
>
> Thanks for posting Hank. Glad someone has the time to keep
> abreast of all the balloon stuff.
>
> Good luck Craig and the crew.

3115. RE: [tvnsp] Big ole government balloon may be in the hood Saturday

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-21 05:27:53 UTC
From: K7JPS - John
Topic: 3104 Message: 3115

Can you post the APRS call sign for the balloon? I'd love to track it on FindU

John Stone

-----Original Message-----
From: Craig Brunson [mailto:brunson1@...]
Sent: Thursday, June 20, 2002 21:32
To: tvnsp@yahoogroups.com; nwaprssig
Cc: Brunson, Craig
Subject: Re: [tvnsp] Big ole government balloon may be in the hood Saturday

We tried very hard to shove the balloon out the end of the hangar today, but it kept coming back.....;-)
We will send it up bright & early Friday.

With it going till Sunday morning, you should be able to see it from the Field Day site.

It will be going further North towards Spokane, according to the last plot I saw. They will do another at midnight & one in the morning to see where to chase it. Who knows, it may turn around & head South. We will see. I will try to send out another direction in the morning, if I have time & can get to my work PC.

Have a good weekend-

73
Craig

3116. Re: [tvnsp] Big ole government balloon may be in the hood Saturday

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-21 10:01:00 UTC
From: Craig Brunson
Topic: 3104 Message: 3116

It is KB0TVJ-11, Russ Chadwick out of Boulder, Co. He works for FSL (NOAA),
& has a ham tracking package on this one.

Craig

----- Original Message -----
From: "K7JPS - John" <k7jps@...>
To: <tvnsp@yahoogroups.com>
Sent: Thursday, June 20, 2002 10:27 PM
Subject: RE: [tvnsp] Big ole government balloon may be in the hood Saturday

> Can you post the APRS call sign for the balloon? I'd love to track it on
> FindU
>
> John Stone

3117. Todays balloon flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-21 10:10:28 UTC
From: Craig Brunson
Topic: 3117 Message: 3117

these are the links to Friday's balloon flight.

KB0TVJ-11

http://www.findu.com/cgi-bin/rawposit.cgi?call=kb0tvj-11&start=500&length=50
0
http://www3.findu.com/cgi-bin/track.cgi?call=kb0tvj-11
http://www.findu.com/cgi-bin/rawposit.cgi?call=kd4sth-11&start=48&length=24
http://www.canaprs.net/locate/kb0tvj-11

Craig

3118. GAINS flight status?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-21 16:44:27 UTC
From: Mark Conner
Topic: 3118 Message: 3118

The APRS payload appears to be transmitting now (1639 UTC) but the posits contain two-day-old data. Maybe the GPS is not connected to the KPC-3.

Here is the GAINS tracking page:
http://www-frd.fsl.noaa.gov/mab/sdb/gains_rt.htm

Can't tell if this data is accurate or not - the altitude doesn't appear to be.

73 de Mark N9XTN

KB0TVJ-11>APRS,N7IFJ-10*,WIDE3-2:$GPGGA,190534,4525.1671,N,12348.3041,W,1,07,0.91,17.3,M,-20.6,M,,*74
KB0TVJ-11>APRS,W7PLK-10*,WIDE3-1:$GPRMC,190534,A,4525.1671,N,12348.3041,W,0.000,0.0,180602,18.3,E*54

3119. KB0TVJ-11 updating now

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-21 16:49:39 UTC
From: Mark Conner
Topic: 3119 Message: 3119

Right after I sent it, I got good data (I think).

Balloon is ascending through 6000 ft and moving SW just off the coast.

73 de Mark N9XTN

3120. GAINS flight ascent rate

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-21 17:17:04 UTC
From: Mark Conner
Topic: 3120 Message: 3120

I've been monitoring the GAINS flight on findu. It appears the ascent rate is about 330 ft/min. Is that the expected rate?

The data from KB0TVJ-11 is intermittent - there are periodic transmissions reported on findu, but sometimes the GPS data is a repeat. Almost as if there is an intermittent connection to the GPS on a KPC-3 - I don't know what the tracker configuration is.

Is the balloon expected to float at a certain altitude? Given today's sounding and a short-range forecast, I'm trying to figure out if it will come back over land any time soon.

73 de Mark N9XTN

3121. Re: [tvnsp] Garmin GPS35 LVS and GPS35 HVS Units

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-21 19:32:45 UTC
From: Stephanie Steele
Topic: 3063 Message: 3121

Ok, this deal is finally done. Here are the payment details. Please pay close attention to the PayPal information if you intend to pay that way. Please use the one listed
below.

For the HVS units:

Price delivered when I see you - $83.00
Price with shipping - $89.00
Price with shipping using PayPal - $92.30

For the LVS units:

Price delivered when I see you - $106.00
Price with shipping - $112.00
Price with shipping using PayPal - $115.30

Send PayPal payments to:

kc7dba@...

If you wish to send a check or money order the address is:

Stephanie Steele
817 Orchard Park Drive
Fruitland, ID 83619

If you ordered more than one unit just add the above amounts. Yes, I will pocket any excess shipping in these instances. I am still working on getting some small accessories for these so you MAY find something extra in your package. With the number of these that I am going to handle I can't afford the time to break it down any more than this. This went from a small project to a 30+ order so I hope you can understand. Hope this does not offend anyone but it's just reality.

Here are the persons I have on the list. If you are not on here and wish one, drop me a note but do not pay for it. I will let you know once the dust settles if there are any left. Please excuse if I misspell your name as I am working off a scratch list. Also, if you have not specified HVS or LVS please let me know right away or you may lose yours.

BTW, donations to the 'you are sure great to do this Stephanie' fund are gladly accepted ;-)

Mark Conner 1 & 1
Tim Rynearson 1 HVS
Bill Herman 1 HVS
Steve Schwartz 1 HVS

Tony Barrett 2 HVS
Doug Rick 1 HVS
Jeff Melanson 2 HVS
Randy Farley 1 & 1
Chuck Smith 1 HVS
Cap Pennell 1 HVS
Paul Verhage 1 LVS
Eric Johnson 1 HVS
David Titus 1 HVS
Gary Zimmerman 1 HVS
Patrick Friend 1 HVS
John Kisela 1 HVS
Bob Donnell 1 HVS
Robert Sutton 2 HVS
Ron Reeves 2 HVS

Tim Rynearson wrote:
>
> Stephanie...
> Just wanted to make sure you've got me down for one HVS unit......
>
> Tim
>
> /-------Original Message-------/
>
> /*From:*/tvnsp@yahoogroups.com <mailto:tvnsp@yahoogroups.com>
> /*Date:*/ Friday, June 14, 2002 02:49:52 PM
> /*To:*/Craig Brunson <mailto:Brunson1@...>; tvnsp@yahoogroups.com
> <mailto:tvnsp@yahoogroups.com>
> /*Subject:*/ Re: [tvnsp] Garmin GPS35 LVS and GPS35 HVS Units
>
> I'll put you down for 10. I need to keep it a all-in-one order as that
> is how I negotiated the deal. I'll let you know the total as soon as all
> the orders are in.
>
> Ok TVNSP gang, they are going fast now. Get your orders in!!!
>
> Stephanie
>
>
> Craig Brunson wrote:
>
> > Stephanie-
> >
> > I just talked to my boss & he said we might be interested in up to 10
> of the
> > HVS units if there are any left. We use them on all of our launches &
> this
> > would be a good savings. Would you want us to go through you (to get a
> > bigger order) or to wait until you are finished & go to the supplier

> direct?
> > Either way would be ok with us. Let me know & I will relay the message to
> > him.
> >
> > By the way, I will be at the river festival, crewing for one of the
> balloons
> > from up here.
> >
> > 73
> > Craig
> > N7TSZ
> >
> >
> > ----- Original Message -----
> > From: "Stephanie Steele" <stephanie@...
> <mailto:lt;stephanie@...>>
> > To: <tvnsp@yahoogroups.com <mailto:lt;tvnsp@yahoogroups.com>>
> > Sent: Wednesday, June 12, 2002 4:45 PM
> > Subject: [tvnsp] Garmin GPS35 LVS and GPS35 HVS Units
> >
> >
> >
> >>Hi everyone,
> >>
> >>I have firm quotes now from the sellers of these two units. There are 8
> >> LVS units available and 32 HVS units. The LVS units are OEM (which
> >>means the cabling is bare, you add your own serial connector & power
> >>connector). Price is $106 each plus shipping to you for the LVS and $80
> >>plus shipping to me and to you on the HVS (probably around $90 plus or
> >>minus a few bucks). For those out of the Treasure Valley who inquired I
> >>will ship to you in one box for your distribution to your groups. I need
> >>to know from everyone how many of each model you want. I'll send you
> >>back your total and will need payment right away as I obviously can not
> >>front this much money myself.
> >>
> >>Hope this helps everyone out in your search for these units.
> >>
> >>
> >>--
> >>Stephanie
> >>
> >
> >
> >
> >
> >
> >
>
>
> --
> Stephanie

>
> ******************************
>
> "They that can give up essential liberty to obtain a little temporary
> safety deserve neither liberty nor safety."
>
> Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.
>
> "Those who desire to give up freedom in order to gain security will not
> have, nor do they deserve, either one."
>
> President Thomas Jefferson.
> 1743-1826
>
> ******************************
>
> Are you tired of sending out email that shows the wear and tear of being
> forwarded 50 times. Are you tired of getting this same type of mail that
> is hard or impossible to read. Try out Message Cleaner. I use it and I
> recommend it. Here is a link to get your own copy.
>
> Here's a link to a very handy email clean-up utility, check it out:
>
> http://www.RoundhillSoftware.com/MessageCleaner?H6Ldj2XpI
> <http://www.roundhillsoftware.com/MessageCleaner?H6Ldj2XpI>
>
> ******************************
>
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> tvnsp-unsubscribe@egroups.com <mailto:tvnsp-unsubscribe@egroups.com>
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
>
>
> .
>
> ____

> <http://www.incredimail.com/redir.asp?ad_id=309&lang=9> /IncrediMail/ -
> *Email has finally evolved* - *_Click Here_*
> <http://www.incredimail.com/redir.asp?ad_id=309&lang=9>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to the Yahoo! Terms of Service
> <http://docs.yahoo.com/info/terms/>.

--
Stephanie

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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forwarded 50 times. Are you tired of getting this same type of mail that
is hard or impossible to read. Try out Message Cleaner. I use it and I
recommend it. Here is a link to get your own copy.

Here's a link to a very handy email clean-up utility, check it out:

http://www.RoundhillSoftware.com/MessageCleaner?H6Ldj2XpI

****

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is addressed. If the reader of this e-mail message is not the intended
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3122. GAINS flight altitude graph

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-21 21:24:43 UTC
From: Mark Conner
Topic: 3122 Message: 3122
Attachments: 2 described; binary payloads are missing from this source WARC

[Attachment content not displayed]

3123. Re: [tvnsp] GAINS flight altitude graph

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-21 22:25:33 UTC
From: Randy Farley
Topic: 3122 Message: 3123
Attachments: 1 described; binary payloads are missing from this source WARC

Hi Mark

Sending you some "up closer and personal" data from my station.
You can compare it against Findu data.

Gotta get ready for Field Day tomorrow,this flight should make
it more interesting.

Mark Conner wrote:
>
> I snagged the recent data for the GAINS flight on findu and created the
> attached graph.
>
> Note that they experienced a similar "knee" in the ascent rate around
> 40,000 ft that we typically observe.
>
> 73 de Mark N9XTN
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
> --
> Name: gains.gif
> gains.gif Type: GIF Image (image/gif)
> Encoding: base64

--
Regards,

Randy Farley
N7GPS -Ham Call-
My QTH at: http://map.findu.com/n7gps
Find Me Mobile at: http://map.findu.com/n7gps-9

3124. Friday Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-21 22:44:44 UTC
From: Stephanie Steele
Topic: 3124 Message: 3124

Is there still going to be a meeting tonight? Where, when, and whats it about? Thanks!

--
Stephanie

****

"They that can give up essential liberty to obtain a little temporary safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

Are you tired of sending out email that shows the wear and tear of being forwarded 50 times. Are you tired of getting this same type of mail that is hard or impossible to read. Try out Message Cleaner. I use it and I recommend it. Here is a link to get your own copy.

Here's a link to a very handy email clean-up utility, check it out:

http://www.RoundhillSoftware.com/MessageCleaner?H6Ldj2XpI

****

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3125. Re: [tvnsp] Friday Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-21 22:49:40 UTC
From: Mike Garske
Topic: 3124 Message: 3125

Stephanie,

Last I heard, it is at the Jade Garden in Caldwell at 6:30pm......I think we will be discussing the next flight. See ya there!

Mike KC7DPD
----- Original Message -----
From: "Stephanie Steele" <stephanie@...>
To: <tvnsp@yahoogroups.com>
Sent: Friday, June 21, 2002 4:44 PM
Subject: [tvnsp] Friday Meeting

> Is there still going to be a meeting tonight? Where, when, and whats it
> about? Thanks!
>
>
> --
> Stephanie
>
> ******************************
>
> "They that can give up essential liberty to obtain a little temporary
> safety deserve neither liberty nor safety."
>
> Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.
>
> "Those who desire to give up freedom in order to gain security will not
> have, nor do they deserve, either one."
>
> President Thomas Jefferson.
> 1743-1826
>
> ******************************
>
> Are you tired of sending out email that shows the wear and tear of being
> forwarded 50 times. Are you tired of getting this same type of mail that
> is hard or impossible to read. Try out Message Cleaner. I use it and I
> recommend it. Here is a link to get your own copy.
>
> Here's a link to a very handy email clean-up utility, check it out:
>
> http://www.RoundhillSoftware.com/MessageCleaner?H6Ldj2XpI
>
> ******************************
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> this message is strictly prohibited.
>
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
>
>

3126. Re: [tvnsp] GAINS flight ascent rate

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-22 01:43:53 UTC
From: Craig Brunson
Topic: 3120 Message: 3126

Russ had a problem with his GPS for a while, but it started working ok.
Some of the web sites are working too:
http://www3.findu.com/cgi-bin/track.cgi?call=kb0tvj-11 has it approaching Mt Hood @ ~54k ft.

We launched through an inversion that held it at ~2000 ft for almost an hour. It was to float at ~54k, but went to over 57k, then porpoised & is just starting to sink a little. I am tracking the gov freq here in Hillsboro with my home system. I picked up the up/down video from it ~ 50 mi away.

More later -it's been a long day, up at 2:30 then the ride to Tillamook for the launch. I have a roll of film of the launch that I will have processed tonight or tomorrow.

73
Craig

----- Original Message -----
From: "Mark Conner" <n9xtn@...>
To: <tvnsp@yahoogroups.com>; <eoss@yahoogroups.com>
Sent: Friday, June 21, 2002 10:17 AM
Subject: [tvnsp] GAINS flight ascent rate

> I've been monitoring the GAINS flight on findu. It appears the ascent
> rate is about 330 ft/min. Is that the expected rate?
>
> The data from KB0TVJ-11 is intermittent - there are periodic
> transmissions reported on findu, but sometimes the GPS data is a
> repeat. Almost as if there is an intermittent connection to the GPS on
> a KPC-3 - I don't know what the tracker configuration is.
>
> Is the balloon expected to float at a certain altitude? Given today's
> sounding and a short-range forecast, I'm trying to figure out if it
> will come back over land any time soon.
>
> 73 de Mark N9XTN

3127. Friday's balloon launch from Tillamook

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-22 22:25:23 UTC
From: Craig Brunson
Topic: 3127 Message: 3127
Attachments: 7 described; binary payloads are missing from this source WARC

Hi all-

Here is a few shots of the balloon as it came out of the hangar, was moved upwind, & launched by two people.
It was a slow accent up & I always have a good view from the telemetry van.
These are low res scans to save bandwidth.

73
Craig
N7TSZ

3128. Question For Mark Conner

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-22 23:15:27 UTC
From: Mike Garske
Topic: 3128 Message: 3128

Mark,

Is there going to be an internet portal set up for the GPSL extraveganza? This is a question on behalf of Paul, he does not have access to email right now, and we noticed it won't be run on the standard APRS frequency either. Thanks!

Mike KC7DPD

3129. Re: [tvnsp] Friday's balloon launch from Tillamook

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-23 01:10:55 UTC
From: Jeff Melanson
Topic: 3127 Message: 3129

Hi Craig,

Could you tell us how the flight went? It seems it may have
come down earlier that expected. Was the mission successful?

Jeff
KD7INN

Craig Brunson wrote:
>
> Hi all-
>
> Here is a few shots of the balloon as it came out of the hangar, was moved
> upwind, & launched by two people.
> It was a slow accent up & I always have a good view from the telemetry van.
> These are low res scans to save bandwidth.
>
> 73
> Craig
> N7TSZ

3130. Re: [tvnsp] Friday's balloon launch from Tillamook

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-23 01:23:05 UTC
From: Craig Brunson
Topic: 3127 Message: 3130

Jeff-

They brought it down late last night. There seemed to be an excessive loss
of lift after dark & it was decided to bring it down then.
I haven't heard of how successful the rest of the flight went.

Craig

> Could you tell us how the flight went? It seems it may have
> come down earlier that expected. Was the mission successful?
>
> Jeff
> KD7INN

3131. Re: [tvnsp] GAINS flight altitude graph

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-23 01:36:26 UTC
From: Jeff Melanson
Topic: 3122 Message: 3131

Craig,

In the graph that Mark made there is a knee where the ascent
rate slowed from about 450 ft/min to 350 ft/min. This
happened around 40,000 ft. We usually see this knee at lower
altitudes. Do you know the cause of the slowing ascent rate?
Was this a controlled event or something to do with the
atmosphere?

Jeff
KD7INN

Mark Conner wrote:
>
> I snagged the recent data for the GAINS flight on findu and created the
> attached graph.
>
> Note that they experienced a similar "knee" in the ascent rate around
> 40,000 ft that we typically observe.
>
> 73 de Mark N9XTN
>
>
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>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
> --
> Name: gains.gif
> gains.gif Type: GIF Image (image/gif)
> Encoding: base64

3132. Re: [tvnsp] GAINS flight altitude graph

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-23 02:21:41 UTC
From: Craig Brunson
Topic: 3122 Message: 3132

I just looked at the graph Mark sent. I'm not sure, but as a guess, I would say that is when it hit near the jet stream, or higher winds, & went more horizontal. The mass of this balloon was great, & the winds would deflect the up angle, thus slowing the vertical accent. I wasn't paying attention to the accent rate at the time & would have to look over my data to see. Also, we were not doing any controlling on this flight of venting. The lower valve was open & the extra 'air' between the bladders was being exhaled as it ascended.

I may ask the experts next week when I get back at work.

73
Craig
N7TSZ

----- Original Message -----
From: "Jeff Melanson" <kd7inn@...>

> Craig,
>
> In the graph that Mark made there is a knee where the ascent
> rate slowed from about 450 ft/min to 350 ft/min. This
> happened around 40,000 ft. We usually see this knee at lower
> altitudes. Do you know the cause of the slowing ascent rate?
> Was this a controlled event or something to do with the
> atmosphere?
>
> Jeff
> KD7INN

3133. Re: [tvnsp] Question For Mark Conner

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-23 03:00:02 UTC
From: Mark Conner
Topic: 3128 Message: 3133

I am going to try to arrange for the station in Topeka who I-gated for us last year to do it again this year.

73 de Mark N9XTN
----- Original Message -----
From: Mike Garske
To: tvnsp@yahoogroups.com
Sent: Saturday, June 22, 2002 18:15
Subject: [tvnsp] Question For Mark Conner

Mark,

Is there going to be an internet portal set up for the GPSL extraveganza? This is a question on behalf of Paul, he does not have access to email right now, and we noticed it won't be run on the standard APRS frequency either. Thanks!

Mike KC7DPD

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3134. GAINS Altitude & Vertical Velocity vs. UTC Time

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-23 12:40:48 UTC
From: Ralph Wallio, W0RPK
Topic: 3134 Message: 3134
Attachments: 1 described; binary payloads are missing from this source WARC

GAINS altitude and vertical velocity vs. time is described in the attached chart. Data was reduced from APRS records for KB0TVJ-11 at www.findu.com. Note the increase in descent rate after sunset.

A discussion of ascent rate can be found at
http://users.crosspaths.net/wallio/ASCENT.html.

TNX es 73 de Ralph Wallio, W0RPK
wallio@...
http://members.crosspaths.net/wallio
Never use software to compensate for a poor hardware system

3135. Re: [tvnsp] GAINS Altitude & Vertical Velocity vs. UTC Time

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-23 15:12:49 UTC
From: Zack Clobes
Topic: 3134 Message: 3135

Ralph, can you add horizontal velocity to test Craig's theory?

Zack Clobes, W0ZC
Project: Traveler
----- Original Message -----
From: Ralph Wallio, W0RPK
To: TVNSP
Sent: Sunday, June 23, 2002 7:40 AM
Subject: [tvnsp] GAINS Altitude & Vertical Velocity vs. UTC Time

GAINS altitude and vertical velocity vs. time is described in the attached
chart. Data was reduced from APRS records for KB0TVJ-11 at www.findu.com.
Note the increase in descent rate after sunset.

A discussion of ascent rate can be found at
http://users.crosspaths.net/wallio/ASCENT.html.

TNX es 73 de Ralph Wallio, W0RPK
wallio@...
http://members.crosspaths.net/wallio
Never use software to compensate for a poor hardware system

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tvnsp-unsubscribe@egroups.com

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3136. Friday's balloon .. more web sites

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-23 21:01:18 UTC
From: Craig Brunson
Topic: 3136 Message: 3136

Here is some other web sites to look at photos of the balloon & instrumentation.

http://www-frd.fsl.noaa.gov/~girz/

http://www-frd.fsl.noaa.gov/~girz/FLIGHTTESTS/Welcome.html

http://www-frd.fsl.noaa.gov/~girz/T110901/Welcome.html

http://www-frd.fsl.noaa.gov/~girz/T061200/Welcome.html

73
Craig
N7TSZ

3137. Re: [tvnsp] GAINS Altitude & Vertical Velocity vs. UTC Time

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-23 21:12:42 UTC
From: Tony Barrett
Topic: 3134 Message: 3137

Just forming an hypothesis here, ...

After sunset, doesn't the air cool? Isn't cool air denser than warm
air? Would this change in air density account for the change in vertical
velocity? Not only would it increase the drag on a falling object, but
wouldn't a given balloon configuration produce more lift in denser air,
even if it were negative "lift"?

Hmmm, ... an increase in descent rate. Is this due to falling
air? Doesn't denser, cooler air sink?
Maybe the balloon is riding in a descending air mass.

Tony - N7MTZ

At 10:12 AM 6/23/02 -0500, you wrote:
>Ralph, can you add horizontal velocity to test Craig's theory?
>
>Zack Clobes, W0ZC
>Project: Traveler
>----- Original Message -----
>From: <mailto:wallio@...>Ralph Wallio, W0RPK
>To: <mailto:tvnsp@yahoogroups.com>TVNSP
>Sent: Sunday, June 23, 2002 7:40 AM
>Subject: [tvnsp] GAINS Altitude & Vertical Velocity vs. UTC Time
>
>GAINS altitude and vertical velocity vs. time is described in the attached
>chart. Data was reduced from APRS records for KB0TVJ-11 at
><http://www.findu.com>www.findu.com.
>Note the increase in descent rate after sunset.
>
>A discussion of ascent rate can be found at
><http://users.crosspaths.net/wallio/ASCENT.html.>http://users.crosspaths.net/wallio/ASCEN
T.html.
>
>TNX es 73 de Ralph Wallio, W0RPK
><mailto:wallio@...>wallio@...
>http://members.crosspaths.net/wallio
>Never use software to compensate for a poor hardware system
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>
>
>To unsubscribe from this group, send an email to:
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>
>
>
>Your use of Yahoo! Groups is subject to the
><http://docs.yahoo.com/info/terms/>Yahoo! Terms of Service.

3138. Garmin GPS35 LVS - For Sale

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-24 00:06:42 UTC
From: Stephanie Steele
Topic: 3138 Message: 3138

Hi everyone,

I still have 5 of these units that are not spoken for. If anyone wants one please let me know right away as I expect them to arrive early this week. These are LVS units only!

I still do not know if I will have any extra HVS units so PLEASE don't write asking for an HVS unit. I have many more buyers than I have units so only those who have already written have any realistic chance of getting an HVS unit. If by any chance any are left I will post to the list and let you know.

Also, anyone who placed an order for either unit who has not yet sent payment, please do so immediately as I intend to release unpaid units to the waiting list as soon as the paid units ship.

--
Stephanie

****

"They that can give up essential liberty to obtain a little temporary safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

Are you tired of sending out email that shows the wear and tear of being forwarded 50 times. Are you tired of getting this same type of mail that is hard or impossible to read. Try out Message Cleaner. I use it and I recommend it. Here is a link to get your own copy.

Here's a link to a very handy email clean-up utility, check it out:

http://www.RoundhillSoftware.com/MessageCleaner?H6Ldj2XpI

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3139. SpaceData balloons

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-25 18:19:44 UTC
From: Mark Conner
Topic: 3139 Message: 3139

Below is what I received answering a question I posed to SpaceData regarding how they plan to get extended temporal coverage for their wireless service on weather balloons.

It would be interesting if the amateur radio balloon community could come up with a lightweight, reliable, electrically-controlled valve assembly for latex balloons.

http://www.spacedata.net

73 de Mark N9XTN

=========

Yes we vent the balloons based on GPS and have patents pending that protect this technology. This extends the time to over 24 hours of float. We have done over 50 flights to date at altitudes up to 126,000 feet.

Jerry Knoblach
Chairman / CEO
Space Data Corporation
4180 W. Kitty Hawk, Suite 200
Chandler, AZ 85226

==========

3140. Re: SpaceData balloons

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-26 03:05:28 UTC
From: n1ltv
Topic: 3139 Message: 3140

> Below is what I received answering a question I posed to SpaceData
> regarding how they plan to get extended temporal coverage for their
> wireless service on weather balloons.

Mark, nice going that you got even a short answer. I
started thinking about this again after Spacedata came up on
the KNSP list and seeing the nice sunrise picture from very
high altitude. I do wish he'd said a few words about the
balloon envelopes.

I smell dotcom on this SpaceData enterprise (ie, eventual
bankruptcy or dissolution of business), so maybe we hams
can get some of the equipment at very reasonable prices. :)
It should be noted that I was pretty sure cellphones
would never survive economically either.

> It would be interesting if the amateur radio balloon
> community could come up with a lightweight, reliable,
> electrically-controlled valve assembly for latex balloons.

Yeah, before I read your message and just based on seeing
the winning bid for the spectrum and seeing the sunrise, it
seemed reasonable to presume that they've flown reliably
to altitude to be able to get venture money. Your message
now confirms that theory.

One of the many things I can't see flying is the idea of such
complex and expensive expendable payloads. Is there THAT
much money in rural supplementary cell phone coverage?
The main trick is not the technology, but being able to make it
all pay and be operational on some sort of reliable basis.

I think these SpaceData guys must be able to sell ice to the
Eskimos. Might be worth paying them to be part time amateur
radio lobbyists.

Hank

3141. Re: [tvnsp] Re: SpaceData balloons

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-26 03:51:59 UTC
From: Mark Conner
Topic: 3139 Message: 3141

The figure I saw was $300 per payload, certainly not expensive enough to make recovery cost-effective. Still not sure on how they'd recover costs, but a lot of that mystifies me. If they get NWS to launch them, that's about $30k-$60k per day.

I smell some venture capital burning....

- Mark
----- Original Message -----
From: n1ltv
To: tvnsp@yahoogroups.com
Sent: Tuesday, June 25, 2002 22:05
Subject: [tvnsp] Re: SpaceData balloons

> Below is what I received answering a question I posed to SpaceData
> regarding how they plan to get extended temporal coverage for their
> wireless service on weather balloons.

Mark, nice going that you got even a short answer. I started thinking about this again after Spacedata came up on the KNSP list and seeing the nice sunrise picture from very high altitude. I do wish he'd said a few words about the balloon envelopes.

I smell dotcom on this SpaceData enterprise (ie, eventual bankruptcy or dissolution of business), so maybe we hams can get some of the equipment at very reasonable prices. :) It should be noted that I was pretty sure cellphones would never survive economically either.

> It would be interesting if the amateur radio balloon
> community could come up with a lightweight, reliable,
> electrically-controlled valve assembly for latex balloons.

Yeah, before I read your message and just based on seeing the winning bid for the spectrum and seeing the sunrise, it seemed reasonable to presume that they've flown reliably to altitude to be able to get venture money. Your message now confirms that theory.

One of the many things I can't see flying is the idea of such complex and expensive expendable payloads. Is there THAT much money in rural supplementary cell phone coverage? The main trick is not the technology, but being able to make it all pay and be operational on some sort of reliable basis.

I think these SpaceData guys must be able to sell ice to the Eskimos. Might be worth paying them to be part time amateur

radio lobbyists.

Hank

3142. Meeting Place

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-26 16:11:44 UTC
From: John Knapp
Topic: 3139 Message: 3142

I am still getting approval to use the facilities here at MicronPC for a meeting place. So far everything is looking good. The only catch is I will need to have a list of people who will be here for a meeting. This is a security requirement.

I am looking to have the first meeting Saturday, July 13 at 2:00pm. I can't make the July 6th date for personel reasons, also the plant will be shutdown for the July 4th Holiday and weekend (ei, a four day weekend).

If you want to meet on July 6 then contact Stephanie (hope this is okay) to see if she can arrange a meeting in Fruitland.

If you can make the July 13th meeting please let me know by Wednesday, July 10.

Thanks
John Knapp
KD7HGS

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http://fifaworldcup.yahoo.com

3143. Re: [tvnsp] Meeting Place

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-26 18:35:07 UTC
From: Mike Garske
Topic: 3139 Message: 3143

John,

I can make the July 13th meeting date at Micron......by the way, should I bring my badge so I can get in, and cut down on the security concern?

Mike KC7DPD

----- Original Message -----
From: "John Knapp" <kd7hgs@...>
To: <tvnsp@yahoogroups.com>
Cc: <jknapp@...>
Sent: Wednesday, June 26, 2002 10:11 AM
Subject: [tvnsp] Meeting Place

> I am still getting approval to use the facilities here
> at MicronPC for a meeting place. So far everything is
> looking good. The only catch is I will need to have a
> list of people who will be here for a meeting. This is
> a security requirement.
>
> I am looking to have the first meeting Saturday, July
> 13 at 2:00pm. I can't make the July 6th date for
> personel reasons, also the plant will be shutdown for
> the July 4th Holiday and weekend (ei, a four day
> weekend).
>
> If you want to meet on July 6 then contact Stephanie
> (hope this is okay) to see if she can arrange a
> meeting in Fruitland.
>
> If you can make the July 13th meeting please let me
> know by Wednesday, July 10.
>
> Thanks
> John Knapp
> KD7HGS
>
> _____
> Do You Yahoo!?
> Yahoo! - Official partner of 2002 FIFA World Cup
> http://fifaworldcup.yahoo.com
>
>
> To unsubscribe from this group, send an email to:
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>
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>
>
>
>

3144. Re: [tvnsp] Meeting Place

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-26 18:57:31 UTC
From: John Knapp
Topic: 3139 Message: 3144

The request was turned down. We will not be able to
meet here.

Sorry about the false hopes.

JohnK
--- Mike Garske <kc7dpd@...> wrote:
> John,
>
> I can make the July 13th meeting date at
> Micron......by the way, should I
> bring my badge so I can get in, and cut down on the
> security concern?
>
> Mike KC7DPD
>
> ----- Original Message -----
> From: "John Knapp" <kd7hgs@...>
> To: <tvnsp@yahoogroups.com>
> Cc: <jknapp@...>
> Sent: Wednesday, June 26, 2002 10:11 AM
> Subject: [tvnsp] Meeting Place
>
>
> > I am still getting approval to use the facilities
> here
> > at MicronPC for a meeting place. So far everything
> is
> > looking good. The only catch is I will need to
> have a
> > list of people who will be here for a meeting.
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> > I am looking to have the first meeting Saturday,
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> > 13 at 2:00pm. I can't make the July 6th date for
> > personel reasons, also the plant will be shutdown
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> >
> > If you want to meet on July 6 then contact
> Stephanie
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> > meeting in Fruitland.
> >
> > If you can make the July 13th meeting please let
> me
> > know by Wednesday, July 10.
> >
> > Thanks
> > John Knapp
> > KD7HGS
> >
> > _____
> > Do You Yahoo!?
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> > http://fifaworldcup.yahoo.com
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> >
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http://fifaworldcup.yahoo.com

3145. Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-27 19:42:52 UTC
From: Stephanie Steele
Topic: 23 Message: 3145

Hello Jeff & Group,

I got Mike's message that Micron was out. I have announced the cancellation of this Sunday's meeting. Please refresh my memory when you wanted me to schedule the next meeting. Was it for the 6th or the 13th? Did we decide to come to Fruitland (for the Internet Connection) or were we staying over in your area? I should hear later today on the Fruitland training room but I do not expect any problem. Norma and I recall that Mike was not available on the 6th because of family and John was on call so he can't make a meeting in Fruitland. Do we just go for the 13th for a training meeting? Do we have a trainer for the 13th? Can John the younger do his Balloon Magic stuff then? Help!

Stephanie the confused

--
Stephanie

****

"They that can give up essential liberty to obtain a little temporary safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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Here's a link to a very handy email clean-up utility, check it out:

http://www.RoundhillSoftware.com/MessageCleaner?H6Ldj2XpI

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3146. Scheduled Meeting - October 30

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-02-27 19:44:33 UTC
From: Stephanie Steele
Topic: 3146 Message: 3146

This meeting is cancelled due to multiple scheduling problems. We will meet next on either July 6th or 13th (See other message). John the younger, can you do your Balloon Track Training on the 13th in Fruitland?

Everyone please weigh in so we can get this scheduled please.

--
Stephanie

****

"They that can give up essential liberty to obtain a little temporary safety deserve neither liberty nor safety."

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3147. Re: [tvnsp] Scheduled Meeting - June 30

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-28 02:15:21 UTC
From: Jeff melanson
Topic: 3147 Message: 3147

TVNSP,

The June 30th meeting is the one that is cancelled. At our last meeting
we decided that future meetings would no longer include construction
projects as this was not a very efficient use of time. Future meetings
will focus on the business end of things and on training. Those of us
working on projects can meet as needed at other times and places. This
format allows us to meet in more centrally located places like Nampa.
As soon as we get a date and a place and a training subject worked out
for the next meeting I will announce it here.

Jeff
KD7INN

Stephanie Steele wrote:
>
> This meeting is cancelled due to multiple scheduling problems. We will
> meet next on either July 6th or 13th (See other message). John the
> younger, can you do your Balloon Track Training on the 13th in Fruitland?
>
> Everyone please weigh in so we can get this scheduled please.
>
> --
> Stephanie
>
> ********************************
>
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> safety deserve neither liberty nor safety."
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> Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.
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>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

3148. Stephanie....

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-28 19:40:33 UTC
From: n7ubo
Topic: 3148 Message: 3148

Will you find yourself in Boise any time this weekend for the River Festival ? If so, I could probably get my GPS 35 from you then. I've been asked to be in charge of the county comm. van, so I should be available just about any time.

Tim

3149. RE: [tvnsp] Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-29 03:58:16 UTC
From: K7JPS - John
Topic: 23 Message: 3149

So far as I know it was John the Elder that is planning the Balloon Track training, not that I am opposed to doing it, but I think that he has more current info then I do.

John The Younger
K7JPS

-----Original Message-----
From: Stephanie Steele [mailto:stephanie@...]
Sent: Wednesday, February 27, 2002 12:43
To: Jeff Melanson; tvnsp@yahoogroups.com
Subject: [tvnsp] Meeting

Hello Jeff & Group,

I got Mike's message that Micron was out. I have announced the cancellation of this Sunday's meeting. Please refresh my memory when you wanted me to schedule the next meeting. Was it for the 6th or the 13th? Did we decide to come to Fruitland (for the Internet Connection) or were we staying over in your area? I should hear later today on the Fruitland training room but I do not expect any problem. Norma and I recall that Mike was not available on the 6th because of family and John was on call so he can't make a meeting in Fruitland. Do we just go for the 13th for a training meeting? Do we have a trainer for the 13th? Can John the younger do his Balloon Magic stuff then? Help!

Stephanie the confused

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Stephanie

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3150. Re: [tvnsp] Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-29 04:04:06 UTC
From: Stephanie Steele
Topic: 23 Message: 3150

I appologize. I had it backward in my head. But then, what else is new?

SS

K7JPS - John wrote:
> So far as I know it was John the Elder that is planning the Balloon Track
> training, not that I am opposed to doing it, but I think that he has more
> current info then I do.
>
> John The Younger
> K7JPS
>
> -----Original Message-----
> From: Stephanie Steele [mailto:stephanie@...]
> Sent: Wednesday, February 27, 2002 12:43
> To: Jeff Melanson; tvnsp@yahoogroups.com
> Subject: [tvnsp] Meeting
>
>
> Hello Jeff & Group,
>
>
> I got Mike's message that Micron was out. I have announced the
> cancellation of this Sunday's meeting. Please refresh my memory when you
> wanted me to schedule the next meeting. Was it for the 6th or the 13th?
> Did we decide to come to Fruitland (for the Internet Connection) or were
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> training room but I do not expect any problem. Norma and I recall that
> Mike was not available on the 6th because of family and John was on call
> so he can't make a meeting in Fruitland. Do we just go for the 13th for
> a training meeting? Do we have a trainer for the 13th? Can John the
> younger do his Balloon Magic stuff then? Help!
>
> Stephanie the confused
>
> --
> Stephanie
>
> ******************************
>
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Stephanie

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3151. Re: [tvnsp] Stephanie....

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-29 06:06:34 UTC
From: Stephanie Steele
Topic: 3148 Message: 3151

I may be in the night parade in the company car but won't have time to run about. I really don't even want to go do that but I may have to.

Stephanie

n7ubo wrote:
> Will you find yourself in Boise any time this weekend for the River
> Festival ? If so, I could probably get my GPS 35 from you then. I've
> been asked to be in charge of the county comm. van, so I should be
> available just about any time.
>
> Tim
>
>
>
> To unsubscribe from this group, send an email to:
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3152. Re: [tvnsp] Stephanie....

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-06-29 12:19:42 UTC
From: Tim Rynearson
Topic: 3148 Message: 3152
Attachments: 2 described; binary payloads are missing from this source WARC

So give me a shout on 146.54 simplex if you come over, and I'll meet you
somewhere.

Tim, N7UBO

-------Original Message-------

From:tvnsp@yahoogroups.com
Date: Friday, June 28, 2002 11:57:56 PM
To:tvnsp@yahoogroups.com
Subject: Re: [tvnsp] Stephanie....

I may be in the night parade in the company car but won't have time to
run about. I really don't even want to go do that but I may have to.

Stephanie

n7ubo wrote:
> Will you find yourself in Boise any time this weekend for the River
> Festival ? If so, I could probably get my GPS 35 from you then. I've
> been asked to be in charge of the county comm. van, so I should be
> available just about any time.
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3153. In Kansas

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-01 15:03:15 UTC
From: pverhage1960
Topic: 3153 Message: 3153

I'm here in wonderful, humid, Kansas. I made a stop at Strato Bowl while in the Black Hills. Strato Bowl is where they launched to Army captains on a high altitude balloon flight, the highest at the time. They were the first humans to see the curvature of the Earth.

To control and launch the balloon, they used lanyards that passed through eyebolts mounted to the top of the balloon.

Paul

3154. Training Schedule

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-01 23:45:16 UTC
From: Jeff Melanson
Topic: 3154 Message: 3154

TVNSP,

Since this weekend is a holiday weekend I'll assume most of us have commitments and I won't schedule a meeting. Since our meetings are mainly business and training we need to establish a meeting schedule that works for our group. I would like to have a meeting Friday night on July 12th 6:30 pm at Jade Garden. This meeting will be to establish who is teaching what and on what date. We will also discuss our progress for the August flight. I will also bring my small capsule for show and tell which should be completed before this meeting. Please plan on attending so that everyone gets an input to the schedule. Also think about what you might like to teach.

At the last meeting we decided...
Paul will continue the BASIC stamp training.
John the elder will do Balloon track and Flight predictions.
Jeff (me) will demonstrate the Liftwin program the Hank Riley wrote.

Here are some additional suggestions...
(I think some people volunteered but I won't put your name down until you let me know for sure.

Launch Procedures

All about APRS and using APRS+ software

Using Street Atlas with balloon track and APRS+

KCP3+, TinyTrack II, MIM module

Fox hunting and equipment

Global Positioning System overview and equipment specifics such and GPS35.

These lessons can be broken up or combined or have two instructors or whatever is needed. I'm sure there are more ideas for other lessons. Ideally you should have handouts and a training outline.

If Friday night doesn't work for you please let me know.

Jeff
KD7INN

3155. Herington airport (HRU) possible launch site

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-02 02:22:34 UTC
From: Mark Conner
Topic: 3155 Message: 3155

For those of you not on the GPSL list, you may not have heard we might end up using the Herington Municipal Airport (HRU) as our launch site. The forecast tracks are to the north or NNW at 10-15 miles, which makes the Johnson Near Space Center south of Manhattan unusable. We've gotten permission to use the airport for the launch, but we haven't yet decided to change the site. I'm not sure when that decision will be made - probably not until Thursday or Friday.

The airport is about 7 miles ENE of Herington. Below are some links that show where the airport is.

http://www.mapblast.com/myblast/map.mb?CT=38.7018%3A-96.815%3A20000&myzoom.x=144&myzoom.y=13
http://www.airnav.com/airport/HRU
http://terraserver.homeadvisor.msn.com/image.asp?S=13&T=1&X=431&Y=2678&Z=14&W=1

To get there, take I-70 to the US77 exit near Junction City, then go south 23 miles to US56 on the east side of Herington. Go east 6 miles to 2600 Road, then north 3 miles. At that point, you'll have to look for vehicles or get on the radio.

Approx. GPS coordinates: N38? 41.76' W96? 48.77'

73 de Mark N9XTN

3156. RE: [tvnsp] Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-02 16:18:02 UTC
From: John Knapp
Topic: 23 Message: 3156

John the Elder was to do the training. I will be out
of town on the 13th (vacation) so will not be able to
make that date also. Someone else may have to plug in
for me or we wait until later in July - maybe when
Paul is back.

I am really sorry about the confusion I caused about
meeting here at MicronPC but I found out it is against
company policy to allow outside groups to meet here.
It has to be work related.

Let me know where and when we will meet. If I can, I
will be there, the last two weekends in July are clear
at the present time. If we delay training on Balloon
Predictions until then I will give the training.

John Knapp
KD7HGS

--- K7JPS - John <k7jps@...> wrote:
> So far as I know it was John the Elder that is
> planning the Balloon Track
> training, not that I am opposed to doing it, but I
> think that he has more
> current info then I do.
>
> John The Younger
> K7JPS
>
>

_____
Do You Yahoo!?
Sign up for SBC Yahoo! Dial - First Month Free
http://sbc.yahoo.com

3157. Fw: SF Gate: Up, up and away/A man and his lawn chair take flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-03 18:38:59 UTC
From: Mark Conner
Topic: 3157 Message: 3157

Here's our featured speaker for next year's GPSL!

73 de Mark N9XTN

This article was sent to you by someone who found it on SF Gate.
The original article can be found on SFGate.com here:
http://www.sfgate.com/cgi-bin/article.cgi?file=/c/a/2002/07/03/BA150175.DTL

Wednesday, July 3, 2002 (SF Chronicle)
Up, up and away/A man and his lawn chair take flight
Steve Rubenstein, Chronicle Staff Writer

San Francisco -- Something important was proved Tuesday in San Francisco when a young man strapped himself into a lawn chair tied to a strand of flimsy balloons and floated 50 feet above Potrero Hill.
It was not a stunt, said the man in the chair. It was a scientific experiment.
No one knew exactly what was proved, however. Perhaps it was that latex can burst under pressure, a concept already well known in San Francisco.
The idea, if there was one, was to recreate the 1982 flight of "Lawn Chair Larry" Walters, the Los Angeles truck driver who flew a similar rig 16,000
feet into the sky above Southern California and lived to tell about it. An Australian TV company had commissioned the joyride for an upcoming special
on urban legends.
"Nothing can go wrong," said stuntman Adam Savage, preparing to go aloft, while a large number of things that could not go wrong kept going wrong.
The latex balloons, purchased for $10 apiece from a surplus store, had an unsettling knack of bursting during inflation. At least six of them popped
before Savage had even taken his place in the chair.
Then the balloons turned out to need twice as much helium to fill as Savage originally calculated, and extra gas cylinders had to be scrounged.
Then, with only minutes before lift-off, the batteries on the emergency walkie-talkies went out.
"I need some triple-A batteries!" the balloonist yelled.
"Somebody go check the deli! Maybe they have some!"

Meanwhile, more balloons popped.
"It's not making me nervous," Savage said, nervously, as the latex shards drifted to earth. "I suppose these balloons have outlived their shelf
life. That's why they were only $10 each."
After a quick review of the flight plan with the TV producer ("You go up, then you come down"), Savage climbed into the lawn chair ($29 from Sears),
strapped on his safety harness (borrowed from a Mission District climbing gym) and gazed up at his towering string of balloons, which resembled a
strand of giant Vidalia onions glistening in the morning sun.
Shortly before 9 a.m., helpers began removing sandbags and releasing their hold on three ropes tethering the chair to parked cars. Savage, not quite sure how to control the proceedings, began to rise slowly into the sky and drift gently over Missouri Street, like the Wizard of Oz making his
getaway.
The TV crew said Savage had soared to a height of 100 feet, but less partial observers placed the altitude at about half that. The walkie-talkie failure was never a factor, as air-to-ground communication was conducted largely by shouting.
The greatest humiliation occurred midway into the flight, when Savage downed a beer and, after warning observers below to stand clear, dropped the bottle over the side. The bottle failed to break on impact, clearly indicating to all the
less-than-life-threatening height of Savage's lawn chair.
"Better have another beer!" someone yelled.
Meanwhile, a modest crowd of gawkers gathered on Missouri Street to take in the spectacle, such as it was. Dogs barked, drivers honked and
passers-by giggled.
After 12 minutes aloft, the TV cameraman had recorded sufficient footage, and there was no good reason for the flight to continue. One by one,
Savage fired a BB gun at the balloons and the chair descended, as Sir Isaac predicted it would.
Back on the ground, Savage reached for a celebratory cigar and basked in what accolades there were. He said it had been eerie to ride his lawn
chair on the same day that balloonist Steve Fosset completed his round-the-world solo flight, although that comparison seemed more of a
stretch than anything that happened to the latex.
"I'm just glad it turned out OK," said Ed Wallace, manager of the electrical warehouse next door whose airspace Savage had drifted into. "It
didn't make any sense at all. He said he had the whole thing worked out perfectly, but it didn't look that way. The potential for him getting hurt

was pretty good."

E-mail Steve Rubenstein at srubenstein@....

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3158. Herington airport (HRU) will be GPSL launch site

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-04 03:49:38 UTC
From: Mark Conner
Topic: 3158 Message: 3158

We have definitely decided on Herington for the launch site. The helium is already there and the winds look good for Saturday, with the landing expected about 10-12 miles N of the site.

73 de Mark N9XTN
----- Original Message -----
From: Mark Conner
To: KNSP List ; EOSS list ; TVNSP List
Sent: Monday, July 01, 2002 21:22
Subject: [KNSP] Herington airport (HRU) possible launch site

For those of you not on the GPSL list, you may not have heard we might end up using the Herington Municipal Airport (HRU) as our launch site. The forecast tracks are to the north or NNW at 10-15 miles, which makes the Johnson Near Space Center south of Manhattan unusable. We've gotten permission to use the airport for the launch, but we haven't yet decided to change the site. I'm not sure when that decision will be made - probably not until Thursday or Friday.

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http://www.airnav.com/airport/HRU
http://terraserver.homeadvisor.msn.com/image.asp?S=13&T=1&X=431&Y=2678&Z=14&W=1

To get there, take I-70 to the US77 exit near Junction City, then go south 23 miles to US56 on the east side of Herington. Go east 6 miles to 2600 Road, then north 3 miles. At that point, you'll have to look for vehicles or get on the radio.

Approx. GPS coordinates: N38° 41.76' W96° 48.77'

73 de Mark N9XTN

3159. Re: [tvnsp] Training Schedule

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-04 18:37:18 UTC
From: Jeff Melanson
Topic: 3154 Message: 3159

John,

The weekend of the 27th sounds good for the flight prediction training. At the next meeting we will decide how to break up or combine the different training subjects to get the most out of them. I would like to see us be very thorough even if the lessons take more than one meeting. I believe you said you wanted us to have internet access for this lesson in which case we'll check with Stephanie on when she can schedule the conference room at Fruitland City Hall.

TVNSP,

I need more feedback from the group for meeting schedules. I know Mike can't do Sundays for the rest of this summer. I would like to have a standard meeting time that works for as many of us as possible. The reason I was thinking of Fridays is to leave Saturday's open for other activities like balloon launches or people going hunting or camping. I realize we'll need to be flexible with the meeting times but it's easier for most people if we have a standard meeting time and place.

John has asked if we can meet earlier in the week because he can't come to the Friday evening meeting on the 12th. Will Thursday the 11th 6:30 pm at Jade Garden work for this meeting? Please post your feedback to all of this.

Jeff
KD7INN

John Knapp wrote:
>
> Jeff, I will be out of town on the 12th. I am leaving
> early am on that day. Can we meet earlier in the week?
> As I indicated yesterday, I will be glad to do the
> balloon track training either the weekend of tthe July
> 20 or July 27.
>
> Maybe we can combine with using balloon track with
> APRS - something I am not sure of at present.
>
> JohnK.

3160. Re: [tvnsp] Training Schedule

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-04 18:51:25 UTC
From: Stephanie Steele
Topic: 3154 Message: 3160

Hi Group,

Neither the 11th or 27th won't work for me as I work those days. I'd be happy to check on the availability of the training room if you wish for either of those days.

Here are the Friday's I have open for the summer. 7/12, 8/16, 8/23, 8/30, 9/6.

Here are the Saturday's I have open for the summer. 7/6, 7/13, 7/20, 8/24, 8/31.

Here are the Sunday's I have open for the summer. 7/7, 7/14, 7/21, 7/18, 9/1.

I don't care what day we have the meetings. I agree that we need a standard meeting day/time, the location can change as needed. My scheduling problems are the same regardless of the day because of my rotating schedule so don't worry about me. I'll make them when I can.

I appreciate your efforts to try and make this work for everyone.

Stephanie

Jeff Melanson wrote:
> John,
>
> The weekend of the 27th sounds good for the flight
> prediction training. At the next meeting we will decide how
> to break up or combine the different training subjects to
> get the most out of them. I would like to see us be very
> thorough even if the lessons take more than one meeting. I
> believe you said you wanted us to have internet access for
> this lesson in which case we'll check with Stephanie on when
> she can schedule the conference room at Fruitland City Hall.
>
> TVNSP,
>
> I need more feedback from the group for meeting schedules. I
> know Mike can't do Sundays for the rest of this summer. I
> would like to have a standard meeting time that works for as
> many of us as possible. The reason I was thinking of Fridays
> is to leave Saturday's open for other activities like
> balloon launches or people going hunting or camping. I
> realize we'll need to be flexible with the meeting times but
> it's easier for most people if we have a standard meeting
> time and place.

>
> John has asked if we can meet earlier in the week because he
> can't come to the Friday evening meeting on the 12th. Will
> Thursday the 11th 6:30 pm at Jade Garden work for this
> meeting? Please post your feedback to all of this.
>
> Jeff
> KD7INN
>
>
> John Knapp wrote:
>
>>Jeff, I will be out of town on the 12th. I am leaving
>>early am on that day. Can we meet earlier in the week?
>>As I indicated yesterday, I will be glad to do the
>>balloon track training either the weekend of tthe July
>>20 or July 27.
>>
>>Maybe we can combine with using balloon track with
>>APRS - something I am not sure of at present.
>>
>>JohnK.
>
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
>
>
>

--
Stephanie

****

Learn from the mistakes of others. You can't live long enough to make
them all yourself!

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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****

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3161. GPSL 2002 Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-04 23:52:58 UTC
From: pverhage1960
Topic: 3161 Message: 3161

At 7:00 AM on Saturday, can someone record the proton count listed on the www.spaceweather.com site? The number is located at the upper left hand corner. I'd like to see if there's a corelation between that count and the cosmic ray flux that the mission records.

Thanks,
Paul
(in warm and humid Kansas)

3162. Re: [tvnsp] GPSL 2002 Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-05 02:51:56 UTC
From: John Stone
Topic: 3161 Message: 3162

7:00 AM what time zone. I'm in Portland, but hope to be watching via findu, if Anna has me up that early.
John the Younger
K7JPS

--- Paul Wrote:

At 7:00 AM on Saturday, can someone record the proton count listed on the www.spaceweather.com site? The number is located at the upper left hand corner. I'd like to see if there's a corelation between that count and the cosmic ray flux that the mission records.

Thanks,
Paul
(in warm and humid Kansas)

3163. Re: [tvnsp] GPSL 2002 Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-05 11:42:40 UTC
From: Rick Widmer
Topic: 3161 Message: 3163

verhap@... should get a copy of the space weather home
page sent each half hour of next Saturday. You can get the data from
your email. (It might be wise if someone else grabs the data too, I
won't be anywhere near my computer Saturday.)

If you want it sent to a different address, let me know as soon as
possible. I'll be heading to Bruneau late Friday afternoon.

Rick

pverhage1960 wrote:
> At 7:00 AM on Saturday, can someone record the proton count listed on
> the www.spaceweather.com site? The number is located at the upper
> left hand corner. I'd like to see if there's a corelation between
> that count and the cosmic ray flux that the mission records.
>
> Thanks,
> Paul
> (in warm and humid Kansas)
>
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
>
>

3164. Re: [tvnsp] Training Schedule

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-05 12:23:33 UTC
From: Randy Farley
Topic: 3154 Message: 3164

Jeff
Dates you set are ok for me. Busy part of my summer is about over now.
I may miss one meeting during the Fall hunting season.

I can do the APRS and SA training.

Sorry for late post. Two birthdays,one anniversary, and a camping trip
all this week and still not done ;)

Jeff Melanson wrote:
>
> TVNSP,
>
> Since this weekend is a holiday weekend I'll assume most of
> us have commitments and I won't schedule a meeting. Since
> our meetings are mainly business and training we need to
> establish a meeting schedule that works for our group. I
> would like to have a meeting Friday night on July 12th 6:30
> pm at Jade Garden. This meeting will be to establish who is
> teaching what and on what date. We will also discuss our
> progress for the August flight. I will also bring my small
> capsule for show and tell which should be completed before
> this meeting. Please plan on attending so that everyone gets
> an input to the schedule. Also think about what you might
> like to teach.
>
> At the last meeting we decided...
> Paul will continue the BASIC stamp training.
> John the elder will do Balloon track and Flight predictions.
> Jeff (me) will demonstrate the Liftwin program the Hank
> Riley wrote.
>
> Here are some additional suggestions...
> (I think some people volunteered but I won't put your name
> down until you let me know for sure.
>
> Launch Procedures
>
> All about APRS and using APRS+ software
>
> Using Street Atlas with balloon track and APRS+
>
> KCP3+, TinyTrack II, MIM module
>
> Fox hunting and equipment
>

> Global Positioning System overview and equipment specifics
> such and GPS35.
>
> These lessons can be broken up or combined or have two
> instructors or whatever is needed. I'm sure there are more
> ideas for other lessons. Ideally you should have handouts
> and a training outline.
>
> If Friday night doesn't work for you please let me know.
>
> Jeff
> KD7INN
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

--
Regards,

Randy Farley
N7GPS -Ham Call-
My QTH at: http://map.findu.com/n7gps
Find Me Mobile at: http://map.findu.com/n7gps-9

3165. [Fwd: [GPSL] Times of Meals]

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-05 15:04:12 UTC
From: Don Pfister
Topic: 3165 Message: 3165

pverhage1960 wrote:

> Dinner is at 6:00 PM on Firday. Launch will be around 7:00 - 8:00 AM
> on Saturday. I'll be at the site by 5:00 AM, filling should begin no
> later than 6:00 AM and earlier if possible.
>
> Paul

FYI, lastest word on luanch times.

--

[Signature File]
Name=Don Pfister KA0JLF
HABITAT SkyLab
(High Altitude Basic Investigation Testing And Tracking)
Email=ka0jlf@... or ka0jlf@... or donp@...

http://habitat.netlab.org
http://www.netlab.org/~donp
http://www.netlab.org:8888/ Visit the Lab in the Hobby wing. HABITAT being
built...

view stations on the web real time (~3 minute updates):
http://www.findu.com/cgi-bin/find.cgi?KA0JLF Home
http://www.findu.com/cgi-bin/find.cgi?KA0JLF-9 van
http://www.findu.com/cgi-bin/find.cgi?KA0JLF-11 primary balloon & KA0JLF-12
secondary balloon
IF more than one balloon, click on link for nearby stations to get latest
callsign

3166. Callsigns for GPSL

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-05 15:22:51 UTC
From: n1ltv
Topic: 3165 Message: 3166

This might help to find balloons on findu.com:

N9XTN-11 Mark NSTAR Nebraska
W5VSI-11 Mike M. EOSS Colorado
KD7LMO-11 Mike G. ANSR Arizona
W0WR Zack Traveler Kansas
KA0JLF Don Habitat Kansas
KD4STH-11 Paul TVNSP Idaho
WB8ELK-11 Bill Alabama

This came from Mark's GPSL fequency coordination
page at

http://members.cox.net/n9xtn/gpsl_2002_freq_coordination.htm

Things are changing on the fly and it's possible that one
or two of the above may not fly or may piggyback.

Hank
http://www.geocities.com/n1ltv/hablic.htm

3167. Re: Callsigns for GPSL

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-05 16:28:17 UTC
From: Don Pfister
Topic: 3165 Message: 3167

tvnsp@yahoogroups.com wrote:

> Message: 8
> Date: Fri, 05 Jul 2002 15:22:51 -0000
> From: "n1ltv" <n1ltv@...>
> Subject: Callsigns for GPSL
>
> This might help to find balloons on findu.com:
>
> N9XTN-11 Mark NSTAR Nebraska
> W5VSI-11 Mike M. EOSS Colorado
> KD7LMO-11 Mike G. ANSR Arizona
> W0WR Zack Traveler Kansas
> KA0JLF Don Habitat Kansas
> KD4STH-11 Paul TVNSP Idaho
> WB8ELK-11 Bill Alabama
>
> This came from Mark's GPSL fequency coordination
> page at
>
> http://members.cox.net/n9xtn/gpsl_2002_freq_coordination.htm
>
> Things are changing on the fly and it's possible that one
> or two of the above may not fly or may piggyback.
>
> Hank
> http://www.geocities.com/n1ltv/hablic.htm
>

Actually if you check again you will see my callsign is and always was KA0JLF-11 for the primary balloon id. Just didn't want you to watch my house sitting in KS.

FYI, if HABITAT SkyLab decides to attempt an altitude record, we may add a second balloon array. The decision will be made at the launch site tomorrow morning. IF we do this, I'm not sure what it's id will be, possibly my wife's callsign N0XZB-11. I guess that is the least I can do, I send up her radio & equipment - might as well use her ID. ;-) (This is an inside joke among HABITAT SkyLab, that has been going for years - I have used her radio without her knowing - more than once?)

73 de Don
HABITAT SkyLab - like other groups HABITAT, is an acronym, so it is all caps.

I hope this message is read with the humor that is meant to be in it. ;-)

--

[Signature File]
Name=Don Pfister KA0JLF
HABITAT SkyLab
(High Altitude Basic Investigation Testing And Tracking)
Email=ka0jlf@... or ka0jlf@... or donp@...

http://habitat.netlab.org
http://www.netlab.org/~donp
http://www.netlab.org:8888/ Visit the Lab in the Hobby wing. HABITAT being built...

view stations on the web real time (~3 minute updates):
http://www.findu.com/cgi-bin/find.cgi?KA0JLF Home
http://www.findu.com/cgi-bin/find.cgi?KA0JLF-9 van
http://www.findu.com/cgi-bin/find.cgi?KA0JLF-11 primary balloon & KA0JLF-12 secondary balloon beacon.
IF more than one balloon, click on link for nearby stations to get latest callsign.

3168. Re: Callsigns for GPSL

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-06 03:37:43 UTC
From: Hank Riley
Topic: 3165 Message: 3168

> Actually if you check again you will see my callsign is and always
> was KA0JLF-11 for the primary balloon id.

Sorry for that small but important typo. I guess it had
something to do with being next on the list after Zack
who isn't listed with a dash number.

Hank

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http://sbc.yahoo.com

3169. GPSL in the air at about 1440 UTC

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-06 15:01:18 UTC
From: n1ltv
Topic: 3165 Message: 3169

So far I've found

n9xtn-11
w5vsi-11
ka0jlf-11
kd4sth-11

Hank

3170. Re: GPSL in the air at about 1440 UTC

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-06 15:43:23 UTC
From: n1ltv
Topic: 3165 Message: 3170

Project Traveler is in the air as w0wr-11.

The complete list seems to be:

n9xtn-11
w5vsi-11
w0wr-11
ka0jlf-11
kd4sth-11

Hank

3171. New file uploaded to tvnsp

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-07 02:22:15 UTC
From: tvnsp@yahoogroups.com
Topic: 794 Message: 3171

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the tvnsp
group.

File : /Space Weather 7-6-02 03utc +24.gif
Uploaded by : k7jps <k7jps@...>
Description : 24 hr graph of space weather data 7/6/02 0300 - 7/7/02 0200

You can access this file at the URL

http://groups.yahoo.com/group/tvnsp/files/Space%20Weather%207-6-02%2003utc%20%2B24.gif

To learn more about file sharing for your group, please visit

http://help.yahoo.com/help/us/groups/files

Regards,

k7jps <k7jps@...>

3172. 6 for 6 on recoveries today

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-07 04:41:50 UTC
From: Mark Conner
Topic: 3172 Message: 3172

I'm on my second day of 2.5 hours of sleep, so this will be short.

All payloads were recovered. KD0FW's ATV transmitter was tracked down by DFing - took 2-3 hours after landing to locate it. All others were recovered shortly after landing without incident. Several of us saw 3 payloads touchdown (TVNSP, EOSS, NSTAR).

I think everything functioned very well. Don't know of any significant payload problems.

Having 5 APRS payloads on one frequency worked better than expected. Not that many collision problems, certainly not enough to interfere with tracking.

All in all, a very successful symposium and flights. Congrats to all who made it happen.

73 de Mark N9XTN

Mark D. Conner
E-mail: n9xtn@...
Homepage: http://members.cox.net/mconner1
"Arrogance and stupidity, all in the same package.....how efficient of you!" - Ambassador Londo Mollari, Babylon 5

3173. Re: [KNSP] 6 for 6 on recoveries today

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-07 05:19:10 UTC
From: Hank Riley
Topic: 3172 Message: 3173

Mark,

Thanks for the headline GPSL report, and it sounds like
it was a wonderful event.

> Several of us saw 3 payloads touchdown (TVNSP, EOSS, NSTAR).

That must have been nice. I think there was a pretty good
crowd tuning in by means of findu Saturday.

Looking forward to any presentations that might become
available in readable form.

Hank

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http://sbc.yahoo.com

3174. GPSL 2002

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-07 14:25:31 UTC
From: pverhage1960
Topic: 481 Message: 3174

What a wonderful event. I plan to make proceedings available as soon as I get everyone's notes. We spent all day Friday presenting. In fact we were over an hour late for dinner. Saturday's launch took a bit longer than I hoped. At one point I began to worry about the winds picking up (after April 2001's launch). Mark was pretty certain we didn't have anything to worry about, and by golly, we didn't. I have to shanghi people into working for TVNSP. There was one teen who was just watching, so I called him over and put him to work also. He really enjoyed watching us, so it wasn't hard to get him to help us out. The first lanyard release was normal, but I asked Ralph Wallio to cut the second lanyard free, rather than let the loop pull through the ring. This worked very well, the liftoff was very smooth and without any hangups.

My capsule reached a peak altitude of 79,000 feet (I believe this is the highest of GPSL 2002). I have several pictures of the other balloons taken from my balloon. Of course, those other balloons are below mine. I believe this is the first picture taken of another balloon from above it (I have four other balloons in one of the pictures). I have a nice photograph of the Earth's horizon that is being made into an 18X24 inch poster. A lot of the ground shots are slightly washed out due to the haze in eastern Kansas.

GPSL 2003 is tentively scheduled for 5 July 2003. There will be no symposium that year, but there will be at least four competitions during the launch.

Mr. Potatohead (Idaho Airbourne Assault) was released on his mission at 75,000 feet. But due to an orientation error, the lower capsule covered his dramatic parachute drop intro Kansas.

I'm also planning to get GPSL 2002 patches made by Don's wife. Those will be made available to everyone instead of t-shirts.

Paul

3175. Re: GPSL 2002

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-07 17:45:40 UTC
From: Don Pfister
Topic: 481 Message: 3175

tvnsp@yahoogroups.com wrote:

> Message: 4
> Date: Sun, 07 Jul 2002 14:25:31 -0000
> From: "pverhage1960" <verhap@...>
> Subject: GPSL 2002
>
> What a wonderful event. I plan to make proceedings available as soon
> as I get everyone's notes.

I would be interested in these since, unfortunately, I didn't make the symposium.

> My capsule reached a peak altitude of 79,000 feet (I believe this is
> the highest of GPSL 2002).

Actually Paul, you slipped again I think - he did this at dinner last night a couple times, yours was more like 87 or 88 K ft. and several were over 80,000. My memory is a bit fuzzy too. I did a quick look at flight logs last night but they are only vague shadows now. I heard KD0FW saying, on the repeater this morning - strike that - afternoon, that he thinks his did a free fall, from 40,000 ft., his year. Been there done that (last year).

> I'm also planning to get GPSL 2002 patches made by Don's wife. Those
> will be made available to everyone instead of t-shirts.

Cris does some nice work, whether it is embroidery - kites or parachutes - etc. I wonder how many of her parachutes flew at GPSL this year? Mark did you or KD0FW fly one of her chutes?

She and I started making kites this last year. I'll put some photos of our NASA wings up. We combined two kits, one white - one red, so we have alternate colors of red/white. They look pretty neat. Be warned you need a ground anchor in strong winds. Not even my bulk is enough to keep me on my feet. Last year hers yanked both of us forward. "Wife sailing" is a new sport I have pretty well perfected in several media's - ocean waves and now Kansas winds. ;-)

73 all! GPSL was another GREAT Success!!! We are looking forward to what Paul has planned for next year!

Don

--

[Signature File]
Name=Don Pfister KA0JLF
HABITAT SkyLab soon to add SeaLab (underwater robotics)
(High Altitude Basic Investigation Testing And Tracking)
Email=ka0jlf@... or ka0jlf@... or donp@...

http://habitat.netlab.org
http://www.kc.net/~dpfister - going away not sure when they will pull the plug
http://www.netlab.org/~donp
http://home.earthlink.net/~ka0jlf
http://home.kc.rr.com/cdpfister/
http://www.netlab.org:8888/ Visit the Lab in the Hobby wing. HABITAT being built...

view stations on the web real time (~3 minute updates):
http://www.findu.com/cgi-bin/find.cgi?KA0JLF Home
http://www.findu.com/cgi-bin/find.cgi?KA0JLF-9 van
http://www.findu.com/cgi-bin/find.cgi?KA0JLF-11 balloon

3176. GPSL 2002 "peak" altitudes in detail

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-07 18:34:16 UTC
From: Hank Riley
Topic: 3176 Message: 3176

meters feet

Paul 26796 87900 (87913)
Mike 26671 87500 (87503)
Don 26052 85500 (85472)
Mark* 24987 82000 (81978)
Zack 22167 72700 (72726)

*reported in feet and converted to meters

This is what I get from using the igated data of the highest *reported* altitudes. I've shown the feet converted from meters rounded to hundreds of feet to set an example of showing data to a reasonable degree of precision but no more (the down-to-the-foot figures are in parentheses for those who insist).

Paul and Mike are already within a remarkably close 400 feet of each other, and Paul's igated figures suggest that his peak was almost caught perfectly by the timing of the packet transmissions. Mike's figures don't indicate a favorable timing (although it can't be ruled out), so to my way of thinking Mike's balloon in actuality may have edged out Paul's by as much as several hundred feet.

I offer these comments just to illustrate there is a certain approximation involved in pegging a balloon's height without more frequent measurements of the balloon's altitude. With this in mind, I think it's best to consider it a tie between the first two in the list.

The important point is that balloon altitudes by consumer GPS with coarse reporting (every 60 or 30 seconds) are really only accurate to within a hundred feet at best, and likely err much as 500 feet in the direction of underestimating altitude (because of the too infrequent measurement cycle).

Hank

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http://sbc.yahoo.com

3177. GPSL Sign-in Sheet

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-07 18:55:43 UTC
From: Harry M
Topic: 3177 Message: 3177

Can whoever has the sign-in sheet from the lectures make the contents available?

Thanks
Harry KC5TRB

3178. Re: [tvnsp] Re: GPSL 2002

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-07 19:55:09 UTC
From: Mark Conner
Topic: 481 Message: 3178

Both of us flew chutes Cris made - I lent Mike one of mine for the flight. Agree totally that she does a very nice job and I'm looking forward to seeing the patches.

- Mark
----- Original Message -----
From: Don Pfister
To: tvnsp@yahoogroups.com
Sent: Sunday, July 07, 2002 12:45
Subject: [tvnsp] Re: GPSL 2002

> I'm also planning to get GPSL 2002 patches made by Don's wife. Those
> will be made available to everyone instead of t-shirts.

Cris does some nice work, whether it is embroidery - kites or parachutes - etc. I wonder how many of her parachutes flew at GPSL this year? Mark did you or KD0FW fly one of her chutes?

3179. Meeting time is Friday the 12th at 6:30 pm.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-08 00:05:28 UTC
From: Jeff Melanson
Topic: 3179 Message: 3179

TVNSP,

The next meeting is officially scheduled for Friday July
12th, 6:30 pm at Jade Garden. Please let me know if you are
coming so that I can give Jade Garden a head count.
Earlier it was asked if we could move the meeting to
Thursday but that resulted in other members not being able
to go and that is why I have to commit to Friday.

Jeff
KD7INN

3180. Re: [tvnsp] Meeting time is Friday the 12th at 6:30 pm.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-08 01:10:44 UTC
From: Mike Garske
Topic: 3179 Message: 3180

I will be there Jeff!

Mike KC7DPD
----- Original Message -----
From: "Jeff Melanson" <kd7inn@...>
To: <tvnsp@yahoogroups.com>
Sent: Sunday, July 07, 2002 6:05 PM
Subject: [tvnsp] Meeting time is Friday the 12th at 6:30 pm.

> TVNSP,
>
> The next meeting is officially scheduled for Friday July
> 12th, 6:30 pm at Jade Garden. Please let me know if you are
> coming so that I can give Jade Garden a head count.
> Earlier it was asked if we could move the meeting to
> Thursday but that resulted in other members not being able
> to go and that is why I have to commit to Friday.
>
> Jeff
> KD7INN
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
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3181. Re: [tvnsp] Meeting time is Friday the 12th at 6:30 pm.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-08 02:34:06 UTC
From: Stephanie Steele
Topic: 3179 Message: 3181

Me & Me too!!

Mike Garske wrote:
> I will be there Jeff!
>
> Mike KC7DPD
> ----- Original Message -----
> From: "Jeff Melanson" <kd7inn@...>
> To: <tvnsp@yahoogroups.com>
> Sent: Sunday, July 07, 2002 6:05 PM
> Subject: [tvnsp] Meeting time is Friday the 12th at 6:30 pm.
>
>
>
>>TVNSP,
>>
>>The next meeting is officially scheduled for Friday July
>>12th, 6:30 pm at Jade Garden. Please let me know if you are
>>coming so that I can give Jade Garden a head count.
>>Earlier it was asked if we could move the meeting to
>>Thursday but that resulted in other members not being able
>>to go and that is why I have to commit to Friday.
>>
>>Jeff
>>KD7INN
>>
>>
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>>tvnsp-unsubscribe@egroups.com
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> tvnsp-unsubscribe@egroups.com
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> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
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--
Stephanie

****

Learn from the mistakes of others. You can't live long enough to make
them all yourself!

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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this message is strictly prohibited.

3182. Re: [tvnsp] Meeting time is Friday the 12th at 6:30 pm.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-08 05:16:01 UTC
From: Bill Herrmann
Topic: 3179 Message: 3182

At 06:05 PM 7/7/02 -0600, you wrote:
>The next meeting is officially scheduled for Friday July
>12th, 6:30 pm at Jade Garden. Please let me know if you are
>coming so that I can give Jade Garden a head count.

I believe we'll be there. (2 adults & 3 kids)

I'm betting this would be a good time to catch up with Stephanie's Garmin warehouse... <grin>

Bill

3183. Paul

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-08 05:40:13 UTC
From: Doug Eubanks
Topic: 3183 Message: 3183

Just in case all of you people up there in Idaho have been wondering, Paul behaved himself very well at GPSL-2002. He acted the perfect gentleman, (his Mom was watching), and he did not have to have the bottle of Prozac fed to him on launch day. (he did get close though)

The flights were perfect as was the company, and I had the pleasure of spotting Paul's payloads first as they came in for their landing.

A good time was had by all, and more of you should make the trip next year to give Paul support. He needs all the help that he can muster. He just can't handle being outnumbered by the Texans, Kansans, and Nebraskans! Oh, not to mention the 7 other states that had reps there!

Doug, KAØO

3184. Re: [tvnsp] Paul

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-08 06:38:19 UTC
From: Jeff Melanson
Topic: 3183 Message: 3184

Doug,

LOL! :) That sounds like Paul! Make sure he finds his way
back to Idaho!

Jeff
KD7INN

> Doug Eubanks wrote:
>
> Just in case all of you people up there in Idaho have been
> wondering,
> Paul behaved himself very well at GPSL-2002. He acted the
> perfect
> gentleman, (his Mom was watching), and he did not have to
> have the
> bottle of Prozac fed to him on launch day. (he did get
> close though)
>
> The flights were perfect as was the company, and I had the
> pleasure
> of spotting Paul's payloads first as they came in
> for their landing.
>
> A good time was had by all, and more of you should make
> the trip next
> year to give Paul support. He needs all the help that he
> can muster.
> He just can't handle being outnumbered by the Texans,
> Kansans,
> and Nebraskans! Oh, not to mention the 7 other states
> that had reps there!
>
> Doug, KA?O
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>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>

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3185. Re: [tvnsp] Paul

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-08 12:51:01 UTC
From: Doug Rich
Topic: 3183 Message: 3185

As you may know, Prozac takes many weeks to work. We have been feeding Paul small amounts of Prozac for some time now. Hope you enjoy the new Paul.
Doug W7DVR

At 12:40 AM 7/8/02 -0500, you wrote:
>Just in case all of you people up there in Idaho have been wondering,
>Paul behaved himself very well at GPSL-2002. He acted the perfect
>gentleman, (his Mom was watching), and he did not have to have the
>bottle of Prozac fed to him on launch day. (he did get close though)
>
>The flights were perfect as was the company, and I had the pleasure
>of spotting Paul's payloads first as they came in for their landing.
>
>A good time was had by all, and more of you should make the trip next
>year to give Paul support. He needs all the help that he can muster.
>He just can't handle being outnumbered by the Texans, Kansans,
>and Nebraskans! Oh, not to mention the 7 other states that had reps there!
>
>Doug, KAØO
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>
>To unsubscribe from this group, send an email to:
>tvnsp-unsubscribe@egroups.com
>
>
>
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><http://docs.yahoo.com/info/terms/>Yahoo! Terms of Service.

3186. RE: [tvnsp] GPSL 2002 "peak" altitudes in detail

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-08 18:36:53 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 3176 Message: 3186

I was going to comment on the use of GPS to determine the altitude, but Hank pretty much covers it here. One thing I would strongly suggest is that anyone that wants to see just how much variation there is in their GPS receivers run something like VisualGPS or similar applications for an hour or so. Or just log the output and examine the altitude output. I've never really liked relying on GPS output for determining altitude, but at present that's probably as good a way as any other means for most of us where balloons are involved.

73 de Bill, KC7JSD

> -----Original Message-----
> The important point is that balloon altitudes by consumer GPS with
> coarse reporting (every 60 or 30 seconds) are really only accurate
> to within a hundred feet at best, and likely err much as 500 feet
> in the direction of underestimating altitude (because of the
> too infrequent measurement cycle).
>
> Hank

3187. Peak altitude for Project: Traveler

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-08 22:40:27 UTC
From: Zack Clobes
Topic: 3187 Message: 3187

Here's the peak altitude as recorded by my controller: 22204m

3188. Re: Peak altitude for Project: Traveler

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-09 00:54:02 UTC
From: n1ltv
Topic: 3187 Message: 3188

> Here's the peak altitude as recorded by my
> controller: 22204m

Zack,

Could you please mention how often that measurement
is stored, and/or if you trigger a measurement at the
onset of negative vertical velocity?

Just for the benefit of the list, Zack's 22204
meters is just a bit higher than the igated max
altitude, no doubt due to the timing error that
I mentioned that will always underestimate a
peak height.

Hank

3189. Re: [tvnsp] Re: Peak altitude for Project: Traveler

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-09 02:03:37 UTC
From: Zack Clobes
Topic: 3187 Message: 3189

Basically it waits for a sudden drop in the altitude (ignoring small drops due to variations in the GPS and false triggers on the ground). It normally polls every second, but it doesn't poll during the transmission cycle which is about 6-8 seconds out of every minute.

When it sees the drop, then it begins transmitting that information as part of the telemetry string so that we instantly have record of it on the ground.
Zack Clobes, W0ZC
Project: Traveler
----- Original Message -----
From: n1ltv
To: tvnsp@yahoogroups.com
Sent: Monday, July 08, 2002 7:54 PM
Subject: [tvnsp] Re: Peak altitude for Project: Traveler

> Here's the peak altitude as recorded by my
> controller: 22204m

Zack,

Could you please mention how often that measurement
is stored, and/or if you trigger a measurement at the
onset of negative vertical velocity?

Just for the benefit of the list, Zack's 22204
meters is just a bit higher than the igated max
altitude, no doubt due to the timing error that
I mentioned that will always underestimate a
peak height.

Hank

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3190. Re: Peak altitude for Project: Traveler

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-09 04:03:38 UTC
From: n1ltv
Topic: 3187 Message: 3190

> Basically it waits for a sudden drop in the altitude
> (ignoring small drops due to variations in the GPS and
> false triggers on the ground). It normally polls every second,
> but it doesn't poll during the transmission cycle which is
> about 6-8 seconds out of every minute.

Very nice, thanks.

3191. Garmin GPS-35 HVS Mod

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-09 13:18:40 UTC
From: Harry M
Topic: 3191 Message: 3191

FYI

Just thought I'd share my GPS Mod page!

I added an internal preamp to my Garmin GPS-35HVS TracPak. This is the HVS (12v) version.
It is still in the vehicle and working great.

Harry
KC5TRB, Tulsa

3192. Re: Training Schedule

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-09 14:23:34 UTC
From: kd7pit
Topic: 3154 Message: 3192

Jeff,
Sorry for replying so late, I haven't checked the e-mail for some time and I had to sort through it all. I won't be able to make it to this Friday's meeting. Have work in the morning, school in the evening. and a prior scheduled over-night fishing trip to Brownlee. I'm sure I'll get the info I need by word of mouth or this e-mail group. Have a good one.

Justin KD7PIT

3193. Re: [tvnsp] Meeting time is Friday the 12th at 6:30 pm.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-09 23:04:06 UTC
From: Randy Farley
Topic: 3179 Message: 3193

I can make it.

Jeff Melanson wrote:
>
> TVNSP,
>
> The next meeting is officially scheduled for Friday July
> 12th, 6:30 pm at Jade Garden. Please let me know if you are
> coming so that I can give Jade Garden a head count.
> Earlier it was asked if we could move the meeting to
> Thursday but that resulted in other members not being able
> to go and that is why I have to commit to Friday.
>
> Jeff
> KD7INN
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
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--
Regards,

Randy Farley
N7GPS -Ham Call-
My QTH at: http://map.findu.com/n7gps
Find Me Mobile at: http://map.findu.com/n7gps-9

3194. Re: [tvnsp] Paul

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-09 23:12:26 UTC
From: Randy Farley
Topic: 3183 Message: 3194

Paul should be normal when he gets back,we will start taking
our spudzac to put up with him in Idaho ;) Thanks for taking
care of him. Glad everything went well,look forward to seeing
a healthy and sane Paul.

> Doug Eubanks wrote:
>
> Just in case all of you people up there in Idaho have been
> wondering,
> Paul behaved himself very well at GPSL-2002. He acted the perfect
> gentleman, (his Mom was watching), and he did not have to have the
> bottle of Prozac fed to him on launch day. (he did get close though)
>
> The flights were perfect as was the company, and I had the pleasure
> of spotting Paul's payloads first as they came in for their landing.
>
> A good time was had by all, and more of you should make the trip
> next
> year to give Paul support. He needs all the help that he can
> muster.
> He just can't handle being outnumbered by the Texans, Kansans,
> and Nebraskans! Oh, not to mention the 7 other states that had reps
> there!
>
> Doug, KA?O
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>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
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--
Regards,

Randy Farley
N7GPS -Ham Call-
My QTH at: http://map.findu.com/n7gps
Find Me Mobile at: http://map.findu.com/n7gps-9

3195. First GPSL photos! / fwd from ANSR to EOSS to here

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-09 23:23:52 UTC
From: Hank Riley
Topic: 3195 Message: 3195

Thought I'd forward this along.

73 -- Rick, N0KKZ

-----Original Message-----
From: kd7lmo [mailto:mgray@e...]
Sent: Monday, July 08, 2002 10:28 PM
To: Ballooning@yahoogroups.com
Subject: [Ballooning] GPSL - Great Plains Super Launch

On July 5th and 6th, 2002 I attended the GPSL - Great Plain Super Launch. The GPSL was a two day Amateur High Altitude Ballooning Symposium held on the campus of Kansas State University.

The first day consisted of a number of presentations from various balloon groups on their payload packages, tracking and recovery procedures, rocket/balloon projects, and meteorology. I was fortunate enough to give two presentations. One on ANSR - Arizona Near Space Research and the second on the NSRV - Near Space Research Vehicle. The event was a great way to learn about other balloon programs around the country and to meet many of the people face to face in an informal setting.

On the second day, we launched six (6) balloons and their payloads at the same time. It was an incredible sight to see that many balloon in flight. Within a few hours, all the tracking teams recovered the payloads. Unlike Arizona, Kansas is mostly flat and there are farm roads on a one mile grid for miles and miles in all directions.

It would be nice to have ANSR launch a flight at next years GPSL, so mark your calendars and prepare for a road trip. And yes, you can bring your fireworks and firecrackers to Kansas.

Event photots:

http://www.kd7lmo.net/gpsl2002.html

Do You Yahoo!?
Sign up for SBC Yahoo! Dial - First Month Free
http://sbc.yahoo.com

3196. Storing Data in Flash Chips

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-10 01:58:51 UTC
From: Tony Barrett
Topic: 3196 Message: 3196

Anyone in the group have any experience writing data to flash memory? I'm not talking about Compact Flash modules. I'm looking more at an application of using something like a BASIC Stamp to store some date in some flash chips.

Any assistance would be appreciated.

Best regards,

Tony

3197. NSTAR 02-D (GPSL 2002) Flight Summary

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-10 02:01:50 UTC
From: Mark Conner
Topic: 3197 Message: 3197

NSTAR Flight 02-D was one of six flights at the 2002 Great Plains Super Launch. Because of the forecast winds, the launch was moved from the Johnson Near Space Center about 8 miles southwest of Manhattan to the Herington Municipal Airport about 7 miles east of Herington.

The launch crews began arriving about 7am. A few of the local residents had come out to watch the launch, and some more came as the morning progressed. Skies were clear but hazy, with temps in the low 70s and quite humid. An occasional light breeze was out of the southeast.

We unloaded our equipment and began moving the helium tanks outside. Though we had permission to use the hangar, the ceiling and door were a little low and with the light winds it was quite suitable to launch outside. We spent a fair amount of time checking out payloads and began filling around 8:30am. Six groups flew on this morning - TVNSP, NSTAR, EOSS, Traveler, KD0FW, and HABITAT.

Mike KD0FW brought an old and rather unusual balloon. The balloon had a date code of 1980 and the latex was a very dark brown. However, it was still flexible and looked OK. There was a string running inside the balloon that was attached to the top and terminated in a plastic ring at the bottom.

A couple of minor problems soon cropped up. KD0FW's balloon took a decided turn for the worse. The balloon developed a bulge on one side and looked like an aneurysm ready to pop. Sometime a little after 9am the 22-year-old balloon gave out and with a snap released all its helium. Fortunately WB8ELK had his 1200g balloon that he couldn't use, so we were still able to fly his payload.

The other minor problem occurred while EOSS was filling. The hose came off the regulator and could not be reattached. With a combination of duct tape and another regulator assembly, they were also able to continue.

A little later, the wind began to pick up with some gusts to 10-15 knots. This spurred us to get moving a little faster and we walked the balloons into launch position around 9:30am. As our group winched our balloon out, I noticed that the shroud lines were not straight - the shroud ring needed turned around. I unhooked the payloads and got it sorted out after a few tense moments.

Finally, we were ready to go. Paul KD4STH did a "ready" call for all the groups and after a five-count, everyone let their payloads go at 9:42:30am CDT (+/- 5 sec). What a sight! All of the balloons drifted to the northwest as they rose into the hazy Kansas sky.

With a short chase expected, we had plenty of time to load our equipment. All the payloads were running fine and putting out good data. With 5 APRS

payloads on 144.34 MHz (KD0FW was tracked by DF only), it was a busy frequency! Three of the payloads were time slotted (EOSS, TVNSP, and NSTAR), while the other two (Traveler, HABITAT) were at intervals that would not consistently collide with the same payload. The sharing worked out well and we had plenty of data for tracking purposes.

Around 10:20am we left the launch site and headed towards Herington. We planned to stop at a gas station Street Atlas USA had promised us, but it had gone out of business. Fortunately there was a Dairy Queen next door and several stopped in for some snacks. We stayed at the Dairy Queen until about 10:50am, soon after Traveler had burst (the first of the day).

As we left Herington, it became apparent Traveler would be down well before the others, and that we could chase it to its landing and still have time to make the other landings. With the capsule reporting about once per minute, it was difficult to dead-reckon the reports into where to look. We chased north of Highway 4 on some gravel roads and pulled up parallel to Traveler's track about 1/2 mile to the west. To my knowledge, none of us saw it touch down at 11:11 am CDT.

Seeing that Traveler was in a relatively safe area with its own chase team going for the recovery, we then took a look at what else was happening. While we were chasing Traveler on its terminal descent, EOSS and TVNSP had b urst shortly before 11am. Both were coming down in close proximity to each other, with TVNSP about three minutes lower. We got back on Hwy 4 westbound and headed for Hope and then Elmo, KS. Enroute to Hope, we saw that NSTAR had burst at 11:25 at an altitude of 81,978 ft. With the light winds all from the SSE below about 30,000 ft, the end part of the chase was relatively easy. We turned north on Hwy 15 and began considering where to stop to see TVNSP land.

As we stopped on 15, TVNSP was crossing over the road and from the track looked as though it would land nearby. I got out of the car and was able to see TVNSP at about 1000 ft AGL. At times it appeared it would stop moving north, so I hopped the fence with my camera thinking maybe I could run a couple hundred yards and catch it. But then it took off to the north again and landed a few hundred yards away at 11:44am in what looked like a good area.

With the second payload on the ground, my attention turned to EOSS on nearly the same track. Since I had a good vantage point, I decided to stay in place and look for the EOSS payload. Sure enough, within a minute or two it was also visible and it landed a little farther away at 11:47am.

Now it was NSTAR's turn. Actually, it looked like it too would land not far away. Using the just-completed descents of the other two payloads, I surmised the landing would be west and a bit north of the EOSS landing. We went north to the next county road and then west a mile.

Suddenly, APRSPlus locked up on me with NSTAR still a couple of minutes from landing. I couldn't close the program and a bit later lost the OS. Great - a chance for another "catch" and I'm without data for the last few minutes.

Paul KC0KXR and Doug KA0O both had APRSPlus, so after some frantic running back and forth we made another adjustment for our vantage point.

We stopped on a gravel road on the next section boundary west of the EOSS and TVNSP landings and got out to look for the parachute. There it was! About 1000 feet up, off to our SSE and headed our way. The payload was descending in a spiral manner and I thought maybe it would come close enough to us to catch the power lines next to the road. But it stopped short and fell into a corn field about 100 yds east of the road at 12:02pm CDT.

We found the landowner and got permission to get the payload. Everything was intact and operating - the corn even kept the payloads from hitting the ground. After we got back, Mike W5VSI and Rick N0KKZ joined us. We took a few pictures and then got on the radio to find out where to go next.

Don KA0JLF's payload had also come down nearby, about 10 minutes before NSTAR did. We got a general description of where it was and drove off that direction. Shortly we got a packet of the landing position and parked on the road next to the field it landed in. Soon most everyone had arrived and Don went off in search of his payload, which was also found intact.

Now the only one left to deal with was Mike KD0FW's ATV and simplex repeater. EOSS, with its extensive DF experience was already on the job. As we moved back east, we tried to key up the simplex repeater on 147.585 in the hopes of having a stronger signal to DF. Others were listening on the ATV carrier frequency. Since there were plenty of vehicles in the hunt, those of us with vehicles capable of hauling helium tanks went back to the airport to move them closer to Manhattan and save some time for Paul on Monday.

After getting the tanks, we headed for Junction City to leave film at Wal-Mart and sat down to get something to drink. While waiting on the 1-hour photo job, we found out that Mike's package had been successfully located and everyone was arriving at Cracker Barrel for a mid-afternoon lunch.

As it turned out, we could have flown from JNSC if our payloads had followed the same profile. Traveler would have landed between Fort Riley and the Milford Reservoir, and the rest would have been a few miles west of the reservoir. But it still would not have been safe to do so.

73 de Mark N9XTN

3198. Garmin GPS-35 HVS Mod - Repost

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-10 02:12:45 UTC
From: Harry M
Topic: 3198 Message: 3198

FYI

Just thought I'd share my GPS Mod page!

I added an internal preamp to my Garmin GPS-35HVS TracPak. This is the HVS (12v) version.
It is still in the vehicle and working great.

Harry
KC5TRB, Tulsa

* Reposted - I forgot the link in the original...DUH! *
http://www.gbronline.com/harrymue/gps/

3199. What type of ATV equipment was KD0FW running?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-10 02:44:10 UTC
From: Zack Clobes
Topic: 3199 Message: 3199

We had excellent signal copy back in Hutchinson, KS.

Zack Clobes, W0ZC
Project: Traveler

3200. Re: [KNSP] What type of ATV equipment was KD0FW running? (fwd)

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-10 03:34:39 UTC
From: Don Pfister
Topic: 3200 Message: 3200

Mike told me, and he told the KCATV group on the net Sunday night. Unfortunately that brain cell just sizzled. If Mike doesn't let us know before, I'll ask him at the KCATV group meeting tomorrow night.

I think it was a PC Electronics board. I remember he had a WB8ELK id'er (overlay?). There as another id'er that one of the club members built, worked on or something.

This guessing could go on and on - like me. I'll stop now and wait for Mike to reply or tomorrow night. If he doesn't respond I'll get the answer and let you know.

Did anyone record it?

One of the topics I plan to bring up at the KCATV meeting tomorrow night is my ATV capsule. I need to finish it up, put it in a capsule, I would like to test fly it on the next launch. That would be a good payload for the 300 gram balloon. My balloon payload (ATV xmitter) is set for the KCATV repeater input. I want to verify they are still okay with that. A relatively low altitude quick flight maybe the ideal test flight.

73 Don

"Don Pfister KA0JLF " wrote:

> ---------- Forwarded message ----------
> Date: Tue, 09 Jul 2002 21:44:10 -0500
> From: Zack Clobes <zclobes@...>
> Reply-To: Zack Clobes <zack@...>
> To: Group TVNSP <tvnsp@yahoogroups.com>, Group KNSP <knsp@yahoogroups.com>
> Subject: [KNSP] What type of ATV equipment was KD0FW running?
>
> We had excellent signal copy back in Hutchinson, KS.
>
> Zack Clobes, W0ZC
> Project: Traveler

3201. Re: [tvnsp] Re: [KNSP] What type of ATV equipment was KD0FW running? (fwd)

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-10 03:41:24 UTC
From: Jeff Melanson
Topic: 3200 Message: 3201

Don,

How much does your capsule weigh?

Just curious,
Jeff
KD7INN

Don Pfister wrote:
>
> Mike told me, and he told the KCATV group on the net Sunday night. Unfortunately
> that brain cell just sizzled. If Mike doesn't let us know before, I'll ask him
> at the KCATV group meeting tomorrow night.
>
> I think it was a PC Electronics board. I remember he had a WB8ELK id'er
> (overlay?). There as another id'er that one of the club members built, worked on
> or something.
>
> This guessing could go on and on - like me. I'll stop now and wait for Mike to
> reply or tomorrow night. If he doesn't respond I'll get the answer and let you
> know.
>
> Did anyone record it?
>
> One of the topics I plan to bring up at the KCATV meeting tomorrow night is my
> ATV capsule. I need to finish it up, put it in a capsule, I would like to test
> fly it on the next launch. That would be a good payload for the 300 gram
> balloon. My balloon payload (ATV xmitter) is set for the KCATV repeater input. I
> want to verify they are still okay with that. A relatively low altitude quick
> flight maybe the ideal test flight.
>
> 73 Don
>
> "Don Pfister KA0JLF " wrote:
>
> > ---------- Forwarded message ----------
> > Date: Tue, 09 Jul 2002 21:44:10 -0500
> > From: Zack Clobes <zclobes@...>
> > Reply-To: Zack Clobes <zack@...>
> > To: Group TVNSP <tvnsp@yahoogroups.com>, Group KNSP <knsp@yahoogroups.com>
> > Subject: [KNSP] What type of ATV equipment was KD0FW running?
> >
> > We had excellent signal copy back in Hutchinson, KS.
> >

> > Zack Clobes, W0ZC
> > Project: Traveler
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

3202. Another batch of GPSL photos including 2 payloads parachuting to a landing!

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-10 20:26:13 UTC
From: Hank Riley
Topic: 3202 Message: 3202

From EOSS:

http://www.eoss.org/ansrecap/Thirtyone_to_sixty/recap58.htm

_____
Do You Yahoo!?
Sign up for SBC Yahoo! Dial - First Month Free
http://sbc.yahoo.com

3203. Testing Results

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-10 22:18:41 UTC
From: Stephanie Steele
Topic: 3203 Message: 3203

Can someone please tell me which component's batteries failed first when the 'test to failure' was done. This was when the assembled capsule was driven to Bogus and back and then left to run until the equipment stopped reporting. Thanks!

--
Stephanie

****

Learn from the mistakes of others. You can't live long enough to make them all yourself!

****

"They that can give up essential liberty to obtain a little temporary safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

Send and receive money safely over the Internet by using PayPal. I use it and highly recommend it as a safe and reliable means to conduct business. By using the link below we both will receive a $5 sign up bonus.

https://www.paypal.com/refer/pal=kc7dba%40arrl.net

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3204. Re: [tvnsp] Testing Results

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-11 00:48:01 UTC
From: Jeff Melanson
Topic: 3203 Message: 3204

Stephanie,

I helped Paul with the trip to Bogus Basin but it was still
working when Paul took it home where he continued to run it.
We'll have to ask him when he gets back.

Jeff

Stephanie Steele wrote:
>
> Can someone please tell me which component's batteries failed first when
> the 'test to failure' was done. This was when the assembled capsule was
> driven to Bogus and back and then left to run until the equipment
> stopped reporting. Thanks!
>
> --
> Stephanie
>
> ******************************
>
> Learn from the mistakes of others. You can't live long enough to make
> them all yourself!
>
> ******************************
>
> "They that can give up essential liberty to obtain a little temporary
> safety deserve neither liberty nor safety."
>
> Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.
>
> "Those who desire to give up freedom in order to gain security will not
> have, nor do they deserve, either one."
>
> President Thomas Jefferson.
> 1743-1826
>
> ******************************
>
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> it and highly recommend it as a safe and reliable means to conduct
> business. By using the link below we both will receive a $5 sign up bonus.
>
> https://www.paypal.com/refer/pal=kc7dba%40arrl.net
>
> ******************************
>

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> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

3205. Windows CE 3.0 / Pocket PC Programmer Consultant

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-11 03:11:28 UTC
From: Tony Barrett
Topic: 3205 Message: 3205

Hey Fellow Hams,

I know of a Boise company trying to hire a consultant to do some programming on a Windows CE 3.0 machine that needs a few Pocket PC extensions. They are using the Hitachi SH3 processor.

Do you know anyone qualified that might be interested in picking up a few hours of consulting work at a pretty good rate?

If so, have them contact me at: tonybarrett@...

For those of you not in the Boise area, I'm pretty sure this is the kind of work that could be done remotely.

Thanks,

Tony

3206. High altitude pictures from the TVNSP capsule at GPSL

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-11 06:17:40 UTC
From: Hank Riley
Topic: 3206 Message: 3206

http://members.cox.net/n9xtn/gpsl_2002_photos.html

Isn't that a nice one of some of the other
GPSL balloons below? The earth curvature
is a beauty, too.

Taken by Paul Verhage from one of the TVNSP
capsules; posted by Mark.

Hope you guys are interested in what happened at
GPSL last weeekend. It was quite a time from what
I've been reading and seeing.

Hank

Do You Yahoo!?
Sign up for SBC Yahoo! Dial - First Month Free
http://sbc.yahoo.com

3207. HABITAT SkyLab info

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-12 02:42:16 UTC
From: Don Pfister
Topic: 3207 Message: 3207

I know I received a couple requests for capsule and balloon info. I am not ignoring anyone, just haven't gathered the data to reply. I'll try to gather it tomorrow and reply, with it, for all to use.

Thanks,
Don

3208. SA lat/long file?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-12 15:46:16 UTC
From: Don Pfister
Topic: 3208 Message: 3208

Has anyone already created a lat/long file for SA from all the flight logs? If not I'll try to
build one today. Our local club meeting is tonight. I thought it would make a good visual.

73 de Don
KA0JLF

3209. Beacon

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-12 16:41:18 UTC
From: Harry M
Topic: 3209 Message: 3209

Since I've been back from GPSL I've generated a little interest in ballooning here.
I need a simple light weight CW ID beacon & 2m or 70cm xmtr. I do not have the resources to or the time to make one from scratch so I am looking for a kit or an assembled one. This will be used on a small low altitude balloon to get more people interested.

Thanks!

Harry
KC5TRB - Tulsa

3210. Re: Beacon

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-12 16:58:54 UTC
From: n1ltv
Topic: 3209 Message: 3210

> I need a simple light weight CW ID beacon & 2m or 70cm xmtr.

> This will be used on a small low altitude balloon to get
> more people interested.

Harry,

I can supply you with an 18 pin PIC programmed to do a
callsign and a few other messages that rotate on a fixed
time cycle.

It's not too hard to wire it up on a little Radio Shack
PC board.

I'd only need to modify the code I use to generate an audio
tone (if you expect to use an HT) because the way SkyQuest
payloads work is that they generate real CW and not CW on
FM, so no audio tone is needed

You might want to check out our SkyQuest system at

http://www.geocities.com/n1ltv/hablic.htm

We have always used small balloons (see pictures) and we're
quite fond of simple, relatively inexpensive ballooning.

On the subject of simple transmitters, clock oscillators,
despite their miniscule power, do an amazingly good job
with line of sight and being on true CW (keyed on and off).

If you could live with that (CW not too good on an FM HT),
then you can really do the whole thing cheap.

Hank

3211. Training and Workshop?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-15 19:45:47 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3211 Message: 3211

I'm passing this message on to the TVNSP and NHABG listservs.

TVNSP holds regular training meetings and workshops. Would
TVNSP be interested in doing one for NHABG in their neck of the
woods? Would NHABG be interested in having us visit?

I'm envisioning that TVNSP would give generalized training in the
morning on such things as filling procedures, predicting, tracking,
etc. After lunch we'd break into groups and work on things like
making a parachute, filling equipment, airframe, and electroncis.

It would be a crash course in everything needed to start launching
balloons. After the visit, NHABG would still spend several more
days completing construction. I think this would help NHABG get
their program off the ground, so to speak.

Any input? I'd like to do this during mid August. TVNSP will email
a list of materials you'll need. I'll donate some construction
materials. I'll also shoot some PCB's for the group to assemble
into a flight computer, beacon, sensors, and flight termination unit.
NHABG would have to locate a site to hold the workshop.

Paul

3212. Meetings?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-15 19:46:57 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1671 Message: 3212

Is there any interest in getting together for an informal meeting
about GPSL 2002?

Are the Snake River and Treasure Valley clubs meeting this week?

Paul

3213. Other Activities

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-15 19:49:19 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3213 Message: 3213

I plan to rock hunt for opals at a mine in Nevada in the next week or two. Is nayone interested in going a long? There's a fee they charge, but it's reasonable and you do find precious opals there.

Also, in about three weeks, I plan to take my telescope to Murphy for the night (I'll camp over night). Is anyone interested in going a long? Part of the reason is that I don't think I can carry my reflector in my little Prizm.

Paul

3214. International Near Space Year

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-15 19:59:13 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3214 Message: 3214
Attachments: 2 described; binary payloads are missing from this source WARC

Here's a proposal I brought up at GPSL. I'm forwarding it to as many balloon groups as I can locate. Please look it over and let me know what you think.

I'd like to celebrate IGY's 50th birthday with a coordinated program of balloon and rocket launches.

Paul Verhage

3215. Payment for Helium from GPSL

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-15 21:40:11 UTC
From: Zack Clobes
Topic: 3215 Message: 3215

Paul, I assume I owe you for Helium. How much and how would you prefer I get it to you?

Sorry for taking so long,
Zack Clobes, W0ZC
Project: Traveler

3216. Re: [tvnsp] Meetings?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-16 13:45:09 UTC
From: John Knapp
Topic: 1671 Message: 3216

Snake River will not meet until Aug 21.

JohnK
--- verhap@... wrote:
> Is there any interest in getting together for an
> informal meeting
> about GPSL 2002?
>
> Are the Snake River and Treasure Valley clubs
> meeting this week?
>
> Paul
>

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http://autos.yahoo.com

3217. Treasure Valley Amatuer Club

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-16 14:53:33 UTC
From: John Knapp
Topic: 3203 Message: 3217

Does anyone know when the next meeting of the Treasure
Valley Amature Radio Club meet? (I hope I have the
name correct.)

Thanks
John Knapp
KD7HGS

Do You Yahoo!?
Yahoo! Autos - Get free new car price quotes
http://autos.yahoo.com

3218. Re: [tvnsp] Payment for Helium from GPSL

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-16 20:36:39 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3215 Message: 3218

No problem about the helium. Sorry we missed you for lunch.

Helium was $55 as tank. If you used only half a tank, then you
only have to pay half the cost. You can send me a check at:

207 Crestline #3
Caldwell, ID 83605

Hope to see you next year.

Paul

> Paul, I assume I owe you for Helium. How much and how would you prefer I get it to you?
>
> Sorry for taking so long,
> Zack Clobes, W0ZC
> Project: Traveler
>

3219. RE: [tvnsp] Other Activities

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-16 19:44:27 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 3213 Message: 3219

Paul,

What's the occassion? General or a specific event/object you're hoping to see?

Bill B.

> -----Original Message-----
> Also, in about three weeks, I plan to take my telescope to Murphy
> for the night (I'll camp over night). Is anyone interested
> in going a
> long? Part of the reason is that I don't think I can carry my
> reflector in my little Prizm.
>
> Paul
>

3220. RE: [tvnsp] Other Activities

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-16 20:58:57 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3213 Message: 3220

Just general.

Paul

> Paul,
>
> What's the occassion? General or a specific event/object you're hoping to
> see?
>
> Bill B.
>
> > -----Original Message-----
> > Also, in about three weeks, I plan to take my telescope to Murphy
> > for the night (I'll camp over night). Is anyone interested
> > in going a
> > long? Part of the reason is that I don't think I can carry my
> > reflector in my little Prizm.
> >
> > Paul
> >
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
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>
>

3221. Helium Bill

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-16 21:12:58 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3221 Message: 3221

I got a bill from Sheehan's for $133.92. It's for 2 helium tanks on 24 May. Didn't we have money inb the account for this? I'll talk to Sheehans once I know our side of the story.

The May flight was our second launch. As I recall, we hade money for two launches. Doug, I thought you dropped off money for the account.

Thanks for everyone's help in straightening this out.

Paul

3222. Re: [NHABG] Training and Workshop?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-16 21:28:34 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3222 Message: 3222

The 17th works for me. What day does TVNSP plan to do their
August flight? Do we want to do it from Bellevue? Can I line up
volunteers to go with me?

Paul

> Hi Paul and Everyone,
>
> I'm hoping to be able to do a launch the last weekend of July on the 27 or 28
> out of Ellensburg Washington.
>
> But, I would love to host a meeting on the 17th of August 2 to 5 PM at the
> Bellevue Region Library room #6. There would be full A/V media there...TV/
> VCR, Overhead Projector and LCD Projection Panel, plenty of parking and easly
> reached from I-90.
>
> --Chris Vancil
>
> In a message dated 7/15/02 11:47:31 AM Pacific Daylight Time,
> verhap@... writes:
>
> > I'm passing this message on to the TVNSP and NHABG listservs.
> >
> > TVNSP holds regular training meetings and workshops. Would
> > TVNSP be interested in doing one for NHABG in their neck of the
> > woods? Would NHABG be interested in having us visit?
> >
> > I'm envisioning that TVNSP would give generalized training in the
> > morning on such things as filling procedures, predicting, tracking,
> > etc. After lunch we'd break into groups and work on things like
> > making a parachute, filling equipment, airframe, and electroncis.
> >
> > It would be a crash course in everything needed to start launching
> > balloons. After the visit, NHABG would still spend several more
> > days completing construction. I think this would help NHABG get
> > their program off the ground, so to speak.
> >
> > Any input? I'd like to do this during mid August. TVNSP will email
> > a list of materials you'll need. I'll donate some construction
> > materials. I'll also shoot some PCB's for the group to assemble
> > into a flight computer, beacon, sensors, and flight termination unit.
> > NHABG would have to locate a site to hold the workshop.
> >
> > Paul
> >

>
>
> To unsubscribe from this group, send an email to:
> NHABG-unsubscribe@yahoogroups.com
>
>
>
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>
>

3223. NWAPRS

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-16 21:29:40 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 699 Message: 3223

When is the next NWAPRS conference? The Idaho Star Patry is
the first full wekend in September. I wonder if there's going to be a
conflict.

Paul

3224. RE: [tvnsp] Other Activities

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-16 21:07:57 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 3213 Message: 3224

Cool. Have to wait and see what's happening over the next week, but if you remind me, I might try to tag along. I've just rigged a Celestron 8 with a web cam and have stacking software I'd like to try out. Remind me/us in a couple weeks about this?

73 de Bill, KC7JSD

> -----Original Message-----
> From: verhap@... [mailto:verhap@...]
> Sent: Tuesday, July 16, 2002 7:59 AM
> To: tvnsp@yahoogroups.com
> Subject: RE: [tvnsp] Other Activities
>
>
> Just general.
>
> Paul
>
> > Paul,
> >
> > What's the occassion? General or a specific event/object
> you're hoping to
> > see?
> >
> > Bill B.
> >
> > > -----Original Message-----
> > > Also, in about three weeks, I plan to take my telescope to Murphy
> > > for the night (I'll camp over night). Is anyone interested
> > > in going a
> > > long? Part of the reason is that I don't think I can carry my
> > > reflector in my little Prizm.
> > >
> > > Paul
> > >
> >
> >
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3225. Re: [tvnsp] NWAPRS

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-16 21:43:18 UTC
From: Stephanie Steele
Topic: 699 Message: 3225

I'll have to check but it's normally the first weekend after Labor
Day....the same as the Star Party this year.

Stephanie

verhap@... wrote:
> When is the next NWAPRS conference? The Idaho Star Patry is
> the first full wekend in September. I wonder if there's going to be a
> conflict.
>
> Paul
>
>
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
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>
>
>
>
>

--
Stephanie

****

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them all yourself!

****

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safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

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3226. NWAPRS Summer Gathering

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-16 21:56:35 UTC
From: Stephanie Steele
Topic: 3226 Message: 3226

Here is the official information on this upcomming event.

"NWAPRS Summer Gathering, VaLLLey Camp, North Bend, WA, Fri-Sun,
Sept.... (info forthcoming)"

--
Stephanie

****

Learn from the mistakes of others. You can't live long enough to make
them all yourself!

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
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business. By using the link below we both will receive a $5 sign up bonus.

https://www.paypal.com/refer/pal=kc7dba%40arrl.net

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copying or the taking of any action based upon the information contained in
this message is strictly prohibited.

3227. Re: [tvnsp] Helium Bill

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-17 12:48:48 UTC
From: Doug Rich
Topic: 3221 Message: 3227

Yes, I called and gave them the credit card number to pay for two
tanks. I'll check with Jeff and see if our account was charged. Doug W7DVR
At 02:12 PM 7/16/02 -0700, you wrote:
>I got a bill from Sheehan's for $133.92. It's for 2 helium tanks on 24
>May. Didn't we have money inb the account for this? I'll talk to
>Sheehans once I know our side of the story.
>
>The May flight was our second launch. As I recall, we hade money
>for two launches. Doug, I thought you dropped off money for the
>account.
>
>Thanks for everyone's help in straightening this out.
>
>Paul
>
>
>To unsubscribe from this group, send an email to:
>tvnsp-unsubscribe@egroups.com
>
>
>
>Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

3228. Re: [tvnsp] Treasure Valley Amatuer Club

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-17 17:04:04 UTC
From: James R. Johnson
Topic: 3203 Message: 3228

August 8 at the Sizzlert in Ontario--meeting starts at 7:30 p.m. If you want to eat, come earlier (Paul pretty well cleans them out of food when he comes. :-)).

BTW, TVRA's website is http://www.k7oji.org.

----- Original Message -----
From: "John Knapp" <kd7hgs@...>
To: <tvnsp@yahoogroups.com>
Sent: Tuesday, July 16, 2002 8:53 AM
Subject: [tvnsp] Treasure Valley Amatuer Club

> Does anyone know when the next meeting of the Treasure
> Valley Amature Radio Club meet? (I hope I have the
> name correct.)
>
> Thanks
> John Knapp
> KD7HGS
>
> _____
> Do You Yahoo!?
> Yahoo! Autos - Get free new car price quotes
> http://autos.yahoo.com
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>

3229. Re: [tvnsp] Treasure Valley Amatuer Club

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-17 17:10:16 UTC
From: John Knapp
Topic: 3203 Message: 3229

Thanks for the information. I plan on being there.

John Knapp
KD7HGS
--- "James R. Johnson" <w7tyg@...> wrote:
> August 8 at the Sizzlert in Ontario--meeting starts
> at 7:30 p.m. If you
> want to eat, come earlier (Paul pretty well cleans
> them out of food when he
> comes. :-)).
>
> BTW, TVRA's website is http://www.k7oji.org.
>
> ----- Original Message -----
> From: "John Knapp" <kd7hgs@...>
> To: <tvnsp@yahoogroups.com>
> Sent: Tuesday, July 16, 2002 8:53 AM
> Subject: [tvnsp] Treasure Valley Amatuer Club
>
>
> > Does anyone know when the next meeting of the
> Treasure
> > Valley Amature Radio Club meet? (I hope I have the
> > name correct.)
> >
> > Thanks
> > John Knapp
> > KD7HGS
> >
> > _____
> > Do You Yahoo!?
> > Yahoo! Autos - Get free new car price quotes
> > http://autos.yahoo.com
> >
> >
> > To unsubscribe from this group, send an email to:
> > tvnsp-unsubscribe@egroups.com
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>

>

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3230. Re: [tvnsp] Meetings?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-17 21:27:12 UTC
From: Randy Farley
Topic: 1671 Message: 3230

Paul

The TVRA club had its meeting last week and will not have one now
until the second Thursday in September.(August has been cancelled so
memberes can participate in a local parade)

verhap@... wrote:
>
> Is there any interest in getting together for an informal meeting
> about GPSL 2002?
>
> Are the Snake River and Treasure Valley clubs meeting this week?
>
> Paul
>
>
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> tvnsp-unsubscribe@egroups.com
>
>
>
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--
Regards,

Randy Farley
N7GPS -Ham Call-
My QTH at: http://map.findu.com/n7gps
Find Me Mobile at: http://map.findu.com/n7gps-9

3231. Re: [tvnsp] Treasure Valley Amatuer Club

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-17 21:39:06 UTC
From: Randy Farley
Topic: 3203 Message: 3231

OOp's, i think i owe you a reply from an old private email John.
Been a long hot summer :(The TVRA will not meet until September now.
We should have a busness meeting next week if that works.

Check out our calender at k7oji.org.

John Knapp wrote:
>
> Does anyone know when the next meeting of the Treasure
> Valley Amature Radio Club meet? (I hope I have the
> name correct.)
>
> Thanks
> John Knapp
> KD7HGS
>
> _____
> Do You Yahoo!?
> Yahoo! Autos - Get free new car price quotes
> http://autos.yahoo.com
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
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>
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--
Regards,

Randy Farley
N7GPS -Ham Call-
My QTH at: http://map.findu.com/n7gps
Find Me Mobile at: http://map.findu.com/n7gps-9

3232. Re: [tvnsp] Treasure Valley Amatuer Club

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-17 23:36:52 UTC
From: James R. Johnson
Topic: 3203 Message: 3232

Oops--I'm embarrassed :-(See Randy's reply. I forgot about the
parade--something Freudian, I think.

----- Original Message -----
From: "John Knapp" <kd7hgs@...>
To: <tvnsp@yahoogroups.com>
Sent: Wednesday, July 17, 2002 11:10 AM
Subject: Re: [tvnsp] Treasure Valley Amatuer Club

> Thanks for the information. I plan on being there.
>
> John Knapp
> KD7HGS
> --- "James R. Johnson" <w7tyg@...> wrote:
> > August 8 at the Sizzlert in Ontario--meeting starts
> > at 7:30 p.m. If you
> > want to eat, come earlier (Paul pretty well cleans
> > them out of food when he
> > comes. :-)).
> >
> > BTW, TVRA's website is http://www.k7oji.org.
> >
> > ----- Original Message -----
> > From: "John Knapp" <kd7hgs@...>
> > To: <tvnsp@yahoogroups.com>
> > Sent: Tuesday, July 16, 2002 8:53 AM
> > Subject: [tvnsp] Treasure Valley Amatuer Club
> >
> >
> > > Does anyone know when the next meeting of the
> > Treasure
> > > Valley Amature Radio Club meet? (I hope I have the
> > > name correct.)
> > >
> > > Thanks
> > > John Knapp
> > > KD7HGS
> > >
> > > _____
> > > Do You Yahoo!?
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>

3233. RE: [tvnsp] Other Activities

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-18 17:47:17 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3213 Message: 3233

Will do. I figure it would be best to go out on the night of the 11th, there's a meteor shower that night (bring soap and a towel).

Paul

> Cool. Have to wait and see what's happening over the next week, but if you
> remind me, I might try to tag along. I've just rigged a Celestron 8 with a
> web cam and have stacking software I'd like to try out. Remind me/us in a
> couple weeks about this?
>
> 73 de Bill, KC7JSD
>
> > -----Original Message-----
> > From: verhap@... [mailto:verhap@...]
> > Sent: Tuesday, July 16, 2002 7:59 AM
> > To: tvnsp@yahoogroups.com
> > Subject: RE: [tvnsp] Other Activities
> >
> >
> > Just general.
> >
> > Paul
> >
> > > Paul,
> > >
> > > What's the occassion? General or a specific event/object
> > you're hoping to
> > > see?
> > >
> > > Bill B.
> > >
> > > > -----Original Message-----
> > > > Also, in about three weeks, I plan to take my telescope to Murphy
> > > > for the night (I'll camp over night). Is anyone interested
> > > > in going a
> > > > long? Part of the reason is that I don't think I can carry my
> > > > reflector in my little Prizm.
> > > >
> > > > Paul
> > > >
> > >
> > >
> > > To unsubscribe from this group, send an email to:
> > > tvnsp-unsubscribe@egroups.com
> > >

> > >
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3234. Re: [tvnsp] Helium Bill

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-18 18:02:17 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3221 Message: 3234

Thanks Doug. I was certain you had taken care of that. I'll still pop in for a visit.

Paul

> Yes, I called and gave them the credit card number to pay for two
> tanks. I'll check with Jeff and see if our account was charged. Doug W7DVR
> At 02:12 PM 7/16/02 -0700, you wrote:
> >I got a bill from Sheehan's for $133.92. It's for 2 helium tanks on 24
> >May. Didn't we have money inb the account for this? I'll talk to
> >Sheehans once I know our side of the story.
> >
> >The May flight was our second launch. As I recall, we hade money
> >for two launches. Doug, I thought you dropped off money for the
> >account.
> >
> >Thanks for everyone's help in straightening this out.
> >
> >Paul
> >
> >
> >To unsubscribe from this group, send an email to:
> >tvnsp-unsubscribe@egroups.com
> >
> >
> >
> >Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>

3235. Next Meeting and Seattle

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-18 18:38:11 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3235 Message: 3235

Is the next meeting this Friday?

Is anyone interested in going to Seattle on the 16-17th for a presentation?

I'll be presenting at ALCON on the 2nd in Salt Lake. Check out their website at:

http://www.alcon2002.org/

Paul

3236. August Flight?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-18 18:42:35 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3236 Message: 3236

We need to order a balloon for the August flight. Remember, this on is a high altitude attempt. The 3000 gram balloon costs $200. We'll only need two tanks of helium. Mike, do we have any helium left?

We'll need to split the cost of this flight and need to order a balloon asap.

What day are we going to launch? I'll be gone the 2nd of August, which is probably too soon to get a balloon. Would the 10th work? I hope to travel to Seattle on the 17th. The 24th should work for me, though.

What's everyone else's schedule like?

3237. Re: [tvnsp] August Flight?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-18 18:15:56 UTC
From: Mike Garske
Topic: 3236 Message: 3237

Paul,

We have 1 tank of helium left here at my house. The next meeting for TVNSP is the 26th of July. And we have the 24th of August scheduled for the flight. Good to have you back in Idaho!

Mike KC7DPD

----- Original Message -----
From: <verhap@...>
To: <tvnsp@yahoogroups.com>
Sent: Thursday, July 18, 2002 12:42 PM
Subject: [tvnsp] August Flight?

> We need to order a balloon for the August flight. Remember, this
> on is a high altitude attempt. The 3000 gram balloon costs $200.
> We'll only need two tanks of helium. Mike, do we have any helium
> left?
>
> We'll need to split the cost of this flight and need to order a balloon
> asap.
>
> What day are we going to launch? I'll be gone the 2nd of August,
> which is probably too soon to get a balloon. Would the 10th work?
> I hope to travel to Seattle on the 17th. The 24th should work for
> me, though.
>
> What's everyone else's schedule like?
>
>
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>
>

3238. Re: [tvnsp] Next Meeting and Seattle

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-18 18:22:47 UTC
From: John Knapp
Topic: 3235 Message: 3238

The next meeting is Friday, July 26 at the Jade
Garden, time is 6:30. I will attempt to present a
class on the Balloon Tracking program.

JohnK
--- verhap@... wrote:
> Is the next meeting this Friday?
>
> Is anyone interested in going to Seattle on the
> 16-17th for a
> presentation?
>
> I'll be presenting at ALCON on the 2nd in Salt Lake.
> Check out
> their website at:
>
> http://www.alcon2002.org/
>
> Paul
>

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3239. Web Page Material Request

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-18 18:25:22 UTC
From: Mike Garske
Topic: 3239 Message: 3239

TVNSP,

I am ready to receive materials and/or ideas for the TVNSP website. If they are large files, over 5 MB, I would prefer them on CD, or if you have it, a ZIP-100 disk. I promise not to keep the ZIP disks if you use that method! :) My email address is kc7dpd@... I will be out of town for the next meeting on the 26th, but I will be at the one after that......

For Doug Rich, I still need the instructions on how to upload to the website. Thanks!

Mike KC7DPD
kc7dpd@...

3240. Training and Web Hookup

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-18 18:31:58 UTC
From: John Knapp
Topic: 3235 Message: 3240

Doug Rich, could you contact me at
jknapp3@... with a number I can reach you
at? I am curious about setting up a way to hit the
Internet at the training session on July 26.

Thanks
John Knapp
KD7HGS

_____
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http://autos.yahoo.com

3241. Re: [tvnsp] August Flight?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-18 19:46:49 UTC
From: Stephanie Steele
Topic: 3236 Message: 3241

Paul,

There was discussion of pricing a larger balloon for this flight. Did anyone do so? I believe the discussed size was 5000 gram. Let's do this before we buy the 3000.

I would also suggest that TVNSP meets before any further commitments are made for the group.

Stephanie

verhap@... wrote:
> We need to order a balloon for the August flight. Remember, this
> on is a high altitude attempt. The 3000 gram balloon costs $200.
> We'll only need two tanks of helium. Mike, do we have any helium
> left?
>
> We'll need to split the cost of this flight and need to order a balloon
> asap.
>
> What day are we going to launch? I'll be gone the 2nd of August,
> which is probably too soon to get a balloon. Would the 10th work?
> I hope to travel to Seattle on the 17th. The 24th should work for
> me, though.
>
> What's everyone else's schedule like?
>
>
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>
>
>

--
Stephanie

****

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****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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3242. Re: [tvnsp] Next Meeting and Seattle

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-18 19:46:57 UTC
From: Stephanie Steele
Topic: 3235 Message: 3242

JohnK,

If the wheels fall off for Jade Garden on the 26th, let me know asap so I can check on availability of the Fruitland location for that night. We have DSL available at that location. I will not be able to make the Jade Garden meeting as I am working and don't have enough time for the trip to Nampa.

Stephanie

John Knapp wrote:
> The next meeting is Friday, July 26 at the Jade
> Garden, time is 6:30. I will attempt to present a
> class on the Balloon Tracking program.
>
> JohnK
> --- verhap@... wrote:
>
>>Is the next meeting this Friday?
>>
>>Is anyone interested in going to Seattle on the
>>16-17th for a
>>presentation?
>>
>>I'll be presenting at ALCON on the 2nd in Salt Lake.
>> Check out
>>their website at:
>>
>>http://www.alcon2002.org/
>>
>>Paul
>>
>
>
>
> _____
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>
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>

--
Stephanie

****

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them all yourself!

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3243. RE: [tvnsp] Other Activities

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-18 19:49:06 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 3213 Message: 3243

If we pick the right spot, we'll only need the towel, there's Lava out
there.

Bill B.

> -----Original Message-----
> From: verhap@... [mailto:verhap@...]
> Sent: Thursday, July 18, 2002 4:47 AM
> To: tvnsp@yahoogroups.com
> Subject: RE: [tvnsp] Other Activities
>
>
> Will do. I figure it would be best to go out on the night of
> the 11th,
> there's a meteor shower that night (bring soap and a towel).
>
> Paul

3244. Re: [tvnsp] August Flight?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-18 19:57:27 UTC
From: Stephanie Steele
Topic: 3236 Message: 3244

This flight needs to be the 24th or 31st for me to participate. I want the group to meet and discuss the balloon size prior to purchasing anything. We need to decide what the goal of the launch is so we know which balloon to purchase.

Stephanie

verhap@... wrote:
> We need to order a balloon for the August flight. Remember, this
> on is a high altitude attempt. The 3000 gram balloon costs $200.
> We'll only need two tanks of helium. Mike, do we have any helium
> left?
>
> We'll need to split the cost of this flight and need to order a balloon
> asap.
>
> What day are we going to launch? I'll be gone the 2nd of August,
> which is probably too soon to get a balloon. Would the 10th work?
> I hope to travel to Seattle on the 17th. The 24th should work for
> me, though.
>
> What's everyone else's schedule like?
>
>
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>
>

--
Stephanie

****

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Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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3245. Stephanie...

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-18 20:07:58 UTC
From: n7ubo
Topic: 3245 Message: 3245

Taking a shot in the dark here, but I was wondering if you had been recruited to work the cruise night over here Saturday night. If so, I could probably get my GPS35 from you then...

Tim
N7UBO

3246. Agenda for the next meeting.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-18 21:26:40 UTC
From: Jeff Melanson
Topic: 3246 Message: 3246

TVNSP,

There are at least three things that should be on the
agenda.
1) Paul's presentation of GPSL.
2) John's Flight Prediction Class.
3) Proper planning of the August flight.

For the August flight we need to commit to a mission. If the
mission is to get the altitude record then the entire flight
should be geared for that. Let's not load on a bunch of
stuff and end up with to much weight. If we want a bunch of
payloads then let's not spend the money on the expensive
balloon. We need to settle on what the mission is, the
equipment to be carried, and have a timeline set up so that
we assemble and test the capsules with time to spare.

Think about these things and let's get it worked out at the
next meeting. If you can't come to the meeting and want your
thoughts represented post them here and I will make sure
it's on the agenda.

Jeff
KD7INN

3247. Re: [tvnsp] Stephanie...

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-19 00:14:47 UTC
From: Stephanie Steele
Topic: 3245 Message: 3247

No. I am working a 15 hour shift Friday night, going home to get some sleep, then heading to Twin Falls to help with the MS 150 Bike Race on Sunday.

BTW, for those interested, they only have 3 volunteers to cover from Twin Falls to Glenn's Ferry on this event. I would encourage anyone who can to help Lee with this event. He and their group have been very generous with the APRS users in Idaho in allowing us placement of a digi on Mt. Harrison and it would be nice to give something back.

Stephanie

n7ubo wrote:
> Taking a shot in the dark here, but I was wondering if you had been
> recruited to work the cruise night over here Saturday night. If so, I
> could probably get my GPS35 from you then...
>
> Tim
> N7UBO
>
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>

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Stephanie

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President Thomas Jefferson.
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3248. Re: [tvnsp] August Flight?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-19 11:22:20 UTC
From: Randy Farley
Topic: 3236 Message: 3248

I'm free with donation funds ready. Pump up the helium.

verhap@... wrote:
>
> We need to order a balloon for the August flight. Remember, this
> on is a high altitude attempt. The 3000 gram balloon costs $200.
> We'll only need two tanks of helium. Mike, do we have any helium
> left?
>
> We'll need to split the cost of this flight and need to order a balloon
> asap.
>
> What day are we going to launch? I'll be gone the 2nd of August,
> which is probably too soon to get a balloon. Would the 10th work?
> I hope to travel to Seattle on the 17th. The 24th should work for
> me, though.
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> What's everyone else's schedule like?
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> tvnsp-unsubscribe@egroups.com
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>
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--
Regards,

Randy Farley
N7GPS -Ham Call-
My QTH at: http://map.findu.com/n7gps
Find Me Mobile at: http://map.findu.com/n7gps-9

3249. Re: [tvnsp] Stephanie...

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-19 16:05:23 UTC
From: John Knapp
Topic: 3245 Message: 3249

Can you give us some information on this, like what do
they need, who to contact, times, etc.

Thanks
John Knapp
KD7HGS
--- Stephanie Steele <stephanie@...> wrote:
> No. I am working a 15 hour shift Friday night, going
> home to get some
> sleep, then heading to Twin Falls to help with the
> MS 150 Bike Race on
> Sunday.
>
> BTW, for those interested, they only have 3
> volunteers to cover from
> Twin Falls to Glenn's Ferry on this event. I would
> encourage anyone who
> can to help Lee with this event. He and their group
> have been very
> generous with the APRS users in Idaho in allowing us
> placement of a digi
> on Mt. Harrison and it would be nice to give
> something back.
>
> Stephanie
>
>
>
> n7ubo wrote:
> > Taking a shot in the dark here, but I was
> wondering if you had been
> > recruited to work the cruise night over here
> Saturday night. If so, I
> > could probably get my GPS35 from you then...
> >
> > Tim
> > N7UBO
> >
> >
> >
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>
> --
> Stephanie
>
> ********************************
>
> Learn from the mistakes of others. You can't live
> long enough to make
> them all yourself!
>
> ********************************
>
> "They that can give up essential liberty to obtain a
> little temporary
> safety deserve neither liberty nor safety."
>
> Benjamin Franklin (1706-1790), Letter to Josiah
> Quincy, Sept. 11, 1773.
>
> "Those who desire to give up freedom in order to
> gain security will not
> have, nor do they deserve, either one."
>
> President Thomas Jefferson.
> 1743-1826
>
> ********************************
>
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> it and highly recommend it as a safe and reliable
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3250. Re: [tvnsp] Stephanie...

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-19 21:52:25 UTC
From: Stephanie Steele
Topic: 3245 Message: 3250

Hi John,

I'm looking at more information that Lee sent and it appears that the 'hole' stretches from MP 110 on the west end to MP 131 on the east end. There has to be somewhere in the King Hill area that will relay to either Mt. Harrison or Cinnabar from Glenns Ferry. The challenge will be locating that spot. The maps show many roads in the area so I have to believe that somewhere there will work. Ideally someone could set up high as a relay and someone else be at the start/finish line to send to the relay but there are just not enought bodies. I wish I had gotten earlier notice so I could have set something like a portable digi up and gotten it down there. :-(

Stephanie

John Knapp wrote:
> Can you give us some information on this, like what do
> they need, who to contact, times, etc.
>
> Thanks
> John Knapp
> KD7HGS
> --- Stephanie Steele <stephanie@...> wrote:
>
>>No. I am working a 15 hour shift Friday night, going
>>home to get some
>>sleep, then heading to Twin Falls to help with the
>>MS 150 Bike Race on
>>Sunday.
>>
>>BTW, for those interested, they only have 3
>>volunteers to cover from
>>Twin Falls to Glenn's Ferry on this event. I would
>>encourage anyone who
>>can to help Lee with this event. He and their group
>>have been very
>>generous with the APRS users in Idaho in allowing us
>>placement of a digi
>>on Mt. Harrison and it would be nice to give
>>something back.
>>
>>Stephanie
>>
>>
>>
>>n7ubo wrote:

>>
>>>Taking a shot in the dark here, but I was
>>
>>wondering if you had been
>>
>>>recruited to work the cruise night over here
>>
>>Saturday night. If so, I
>>
>>>could probably get my GPS35 from you then...
>>>
>>>Tim
>>>N7UBO
>>>
>>>
>>>
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>>>
>>>
>>>
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>>http://docs.yahoo.com/info/terms/
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>>--
>>Stephanie
>>
>>**********
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>>**********
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>

--
Stephanie

****

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3251. WinAPRS, PmapOCX, & Windows XP Pro

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-20 15:16:20 UTC
From: Tony Barrett
Topic: 3251 Message: 3251

Ladies and Gentlemen,

Some assistance please.

I am trying to get WinAPRS to run with Precision Mapping on a new machine that's using Windows XP Pro as the Operating System. From what I've read on the various SIGs, this can sometimes be problematic. I've tried a couple of suggestions (see notes below), but so far no luck.

I've tried using cmd.exe to run the pmapocx batch file, and I've tried the approach of making sure the files copied by pmapocx.bat are in the "correct" directory, through I'm not sure I know which directory that is.

Its very frustrating to spend a fortune on a new machine with the intent of using primarily for APRS, only to have everything work but the last line in the ocx file. I know I installed this very same software (same CDs) on a friend's XP machine a few weeks ago and we did not have any problems. Its still running on his machine, so there must be a way of making this work under XP.

Any more suggestions, hints, or tips out there?

73,

Tony - N7MTZ

I had the same problem until I realized that the pmapocx.bat has to be edited to point at the directory your OS is installed in.

The original pmapocx.bat:

```
>copy Regsvr32.exe c:\windows\system\Regsvr32.exe
>copy MAPOCX.OCX c:\windows\system\MAPOCX.OCX
>copy OC30.DLL c:\windows\system\OC30.DLL
>c:
>cd \windows\system
>Regsvr32 MAPOCX.OCX
```

The edited 2kocx.bat for MY system, yours will probably be different:

```
>copy Regsvr32.exe e:\winnt\system\Regsvr32.exe
>copy MAPOCX.OCX e:\winnt\system\MAPOCX.OCX
>copy OC30.DLL e:\winnt\system\OC30.DLL
>e:
>cd \winnt\system
>Regsvr32 MAPOCX.OCX
```

7 3
Earl

I had a problem getting PmapOCX.bat to run on my new WinXP laptop. Got an error every time I ran it from Windows Explorer or from <Start><Run> which always worked with Win98. In XP under Windows/System32 there is a program called "cmd.exe" which performs "Text-based (command line) functions". Ran PmapOCX.bat using "cmd.exe" and it installed perfectly. Anyway, this is for the "what its worth department."

Norm K7OLD

3252. Re: [tvnsp] WinAPRS, PmapOCX, & Windows XP Pro

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-21 11:42:18 UTC
From: Stephanie Steele
Topic: 3251 Message: 3252

Hi Tony,

Have you tried setting WinAPRS to run in Windows 98 compatibility mode?
This helps many older non-XP programs to deal with XP. Other than that
the only reason I can see that it runs on John's and not on yours is
some setting that Dell uses in their 'standardized' install routine for XP.

Stephanie

Tony Barrett wrote:
> Ladies and Gentlemen,
>
> Some assistance please.
>
> I am trying to get WinAPRS to run with Precision Mapping on a new machine
> that's using Windows XP Pro as the Operating System. From what I've read
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> using primarily for APRS, only to have everything work but the last line in
> the ocx file. I know I installed this very same software (same CDs) on a
> friend's XP machine a few weeks ago and we did not have any problems. Its
> still running on his machine, so there must be a way of making this work
> under XP.
>
> Any more suggestions, hints, or tips out there?
>
> 73,
>
> Tony - N7MTZ
>
> ---
>
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> >cd \windows\system
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> The edited 2kocx.bat for MY system, yours will probably be different:
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> >copy Regsvr32.exe e:\winnt\system\Regsvr32.exe
> >copy MAPOCX.OCX e:\winnt\system\MAPOCX.OCX
> >copy OC30.DLL e:\winnt\system\OC30.DLL
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>
> 7 3
> Earl
>
> ---

>
> I had a problem getting PmapOCX.bat to run on my new WinXP laptop. Got an
> error every time I ran it from Windows Explorer or from <Start><Run> which
> always worked with Win98. In XP under Windows/System32 there is a program
> called "cmd.exe" which performs "Text-based (command line) functions". Ran
> PmapOCX.bat using "cmd.exe" and it installed perfectly. Anyway, this is for
> the "what its worth department."
>
> Norm K7OLD
>
>
>
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Stephanie

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3253. Re: [tvnsp] WinAPRS, PmapOCX, & Windows XP Pro

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-21 17:51:38 UTC
From: Bill Herrmann
Topic: 3251 Message: 3253

At 09:16 AM 7/20/02 -0600, you wrote:
>I am trying to get WinAPRS to run with Precision Mapping on a new machine
>that's using Windows XP Pro as the Operating System.

Which versions are you using? Have you upgraded to the Precision Maps 5.0
version?

I'm sure I've seen some issues discussed on the APRSSIG, but since I don't
run WinAPRS it doesn't look like I've saved them. Perhaps somebody else
that follows that SIG has.

Bill

3254. Re: MS150 -was- [tvnsp] Stephanie...

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-21 17:57:54 UTC
From: Bill Herrmann
Topic: 3245 Message: 3254

At 03:52 PM 7/19/02 -0600, you wrote:
>There has to be somewhere in the King Hill area that will relay to
>either Mt. Harrison or Cinnabar from Glenns Ferry. The challenge will be
>locating that spot.

Just going from memory I would think setting up at the top on one side or the other would cover a lot of it. I'll plug it into the topo map later and try to get a better read.

BTW if there is any interest I can talk about how to pull data from APRS+SA to TopoUSA at some point. It isn't automatic, but it's fairly straightforward. If anybody has TopoUSA and would like a copy of the Digi positions file I have just let me know.

>the relay but there are just not enought bodies. I wish I had gotten
>earlier notice so I could have set something like a portable digi up and
>gotten it down there. :-(

No doubt - we've got plenty of bodies with experience helping with the Women's challenge bike race and experience setting up portable digis in the field. (In my case I'm wishing I'd read this last night although it doesn't sound like there would have been time to coordinate anything. We just got back from a camping trip so jumping in the car doesn't sound too appealing...)

Bill

3255. Re: [tvnsp] Next Meeting and Seattle

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-21 18:02:30 UTC
From: Bill Herrmann
Topic: 3235 Message: 3255

At 01:46 PM 7/18/02 -0600, you wrote:
>If the wheels fall off for Jade Garden on the 26th, let me know asap so
>I can check on availability of the Fruitland location for that night.

Personally I wouldn't mind mixing up the location and/or cuisine a little.

>have DSL available at that location. I will not be able to make the Jade
>Garden meeting as I am working and don't have enough time for the trip
>to Nampa.

I know there are several of us interested in the balloon tracking class.
Personally I'm willing to make the drive to Fruitland if that makes it
easier for Stephanie to be there.

Bill

3256. Re: MS150 -was- [tvnsp] Stephanie...

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-22 13:18:02 UTC
From: John Knapp
Topic: 3245 Message: 3256

I had the pleasure of working with Stephanie and the
rest of the crew on the Bike race yesterday. Coverage
was good, we used both Simplex and Cinnabar repeater.
I think they also used the Harrison Repeater. The Bike
Race Sponsors were really appreciative of the help we
gave them. I would hope next year we have a little
more notice. I did some last minute scambling to be
able to help Sunday.

Thanks Stephanie for letting us have the oppurtunity
to help on this, glad you made it home safe and sound.

John Knapp
KD7HGS

--- Bill Herrmann <bherrman@...> wrote:
> At 03:52 PM 7/19/02 -0600, you wrote:
> >There has to be somewhere in the King Hill area
> that will relay to
> >either Mt. Harrison or Cinnabar from Glenns Ferry.
> The challenge will be
> >locating that spot.
>
> Just going from memory I would think setting up at
> the top on one side or
> the other would cover a lot of it. I'll plug it into
> the topo map later and
> try to get a better read.
>
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>
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> night although it doesn't
> sound like there would have been time to coordinate
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> back from a camping trip so jumping in the car
> doesn't sound too appealing...)
>
> Bill
>
>
>

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3257. Re: MS150 -was- [tvnsp] Stephanie...

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-22 18:16:17 UTC
From: Stephanie Steele
Topic: 3245 Message: 3257

I was thrilled to have your help and provide the Idaho APRS users a token of appreciation to the Magic Valley group for their support of APRS in S Idaho. I know the Magic Valley group was very grateful as were the race promoters. The Magic Group was behind the curve on this for timely notification also and did all they could to muster last minute volunteers from their group and only turned to us as a last resort to try and present a credible presence of amateur radio in this event.

Your generous donation helped amateur radio save some face and I applaud you for the generous donation of your time. Amateur's often brag on their emergency preparedness for communications but when a last minute need arises they often fall short of the willingness to sacrifice a little of their time to make good on that claim. You showed that this is not always the case. Thanks!

Stephanie

John Knapp wrote:
> I had the pleasure of working with Stephanie and the
> rest of the crew on the Bike race yesterday. Coverage
> was good, we used both Simplex and Cinnabar repeater.
> I think they also used the Harrison Repeater. The Bike
> Race Sponsors were really appreciative of the help we
> gave them. I would hope next year we have a little
> more notice. I did some last minute scambling to be
> able to help Sunday.
>
> Thanks Stephanie for letting us have the oppurtunity
> to help on this, glad you made it home safe and sound.
>
> John Knapp
> KD7HGS
>
> --- Bill Herrmann <bherrman@...> wrote:
>
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>>
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>>
>>Bill
>>
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3258. Re: [tvnsp] Agenda for the next meeting.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-22 22:05:07 UTC
From: John Knapp
Topic: 3246 Message: 3258

A reminder that the next meeting is this Friday at the Jade Garden in Nampa. I believe it starts at 6:30. There appears to be a lot on the agenda so we need need to start on time. Apparently we will not have a internet connection so I will have some hand outs of varous screen shots. I will also have a CD there with the latest APRS, balloon track, and liftwin software on it. Since there is still a lot of space on the CD, is there any other software I can load up and distribute during the meeting?

I plan on going over the latest software versions, getting the balloon track information and using balloon track. Also the MRF information. I am not sure how to put the predicted information with balloon track, if someone that knows how to will contact me at jknapp@... I would appreciate it.

See everyone Friday night.

John Knapp
KD7HGS

--- Jeff Melanson <kd7inn@...> wrote:
> TVNSP,
>
> There are at least three things that should be on
> the
> agenda.
> 1) Paul's presentation of GPSL.
> 2) John's Flight Prediction Class.
> 3) Proper planning of the August flight.
>
> For the August flight we need to commit to a
> mission. If the
> mission is to get the altitude record then the
> entire flight
> should be geared for that. Let's not load on a bunch
> of
> stuff and end up with to much weight. If we want a
> bunch of
> payloads then let's not spend the money on the
> expensive
> balloon. We need to settle on what the mission is,
> the
> equipment to be carried, and have a timeline set up

> so that
> we assemble and test the capsules with time to
> spare.
>
> Think about these things and let's get it worked out
> at the
> next meeting. If you can't come to the meeting and
> want your
> thoughts represented post them here and I will make
> sure
> it's on the agenda.
>
> Jeff
> KD7INN
>

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3259. Re: [tvnsp] Agenda for the next meeting.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-23 00:17:08 UTC
From: Jeff Melanson
Topic: 3246 Message: 3259

Hi John,

Yes, I reserved the conference room for 6:30 pm.

Jeff

John Knapp wrote:
>
> A reminder that the next meeting is this Friday at the
> Jade Garden in Nampa. I believe it starts at 6:30.
> There appears to be a lot on the agenda so we need
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> Do You Yahoo!?
> Yahoo! Autos - Get free new car price quotes
> http://autos.yahoo.com
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

3260. Hank's email.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-24 03:13:57 UTC
From: Jeff Melanson
Topic: 3260 Message: 3260

Hi Hank,

I tried to send you some email but it was returned. Is your
Yahoo mailbox full again?

Jeff
KD7INN

3261. My XYL is a new ham!

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-24 03:18:17 UTC
From: Jeff Melanson
Topic: 3261 Message: 3261

Hi all,

My XYL did it! Terrie has her new call sign.

KD7SEP

Now, if only she liked ballooning...

Any suggestions for what SEP stands for?

Jeff
KD7INN

3262. Re: [tvnsp] My XYL is a new ham!

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-24 04:07:43 UTC
From: Doug Rich
Topic: 3261 Message: 3262

At 08:18 PM 7/23/02 -0700, you wrote:
>Hi all,
>
>My XYL did it! Terrie has her new call sign.
>
>KD7SEP
>
>Now, if only she liked ballooning...
>
>Any suggestions for what SEP stands for?

Seriously Effective Persuasion

>Jeff
>KD7INN
>
>
>To unsubscribe from this group, send an email to:
>tvnsp-unsubscribe@egroups.com
>
>
>
>Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

3263. Re: [tvnsp] Hank's email.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-24 05:55:00 UTC
From: Bill Herrmann
Topic: 3260 Message: 3263

At 08:13 PM 7/23/02 -0700, you wrote:
>I tried to send you some email but it was returned. Is your
>Yahoo mailbox full again?

The error message will usually indicate that. I can find a sample if you want one. (I help run a large internet mail list so I see those kind of errors frequently. I also used to be a network admin.)

Bill

3264. Re: [tvnsp] My XYL is a new ham!

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-24 05:51:49 UTC
From: Bill Herrmann
Topic: 3261 Message: 3264

At 08:18 PM 7/23/02 -0700, you wrote:
>My XYL did it! Terrie has her new call sign.

Way to go Terrie!

>Now, if only she liked ballooning...

Give her time....

>Any suggestions for what SEP stands for?

Well, in the "Hitchhiker's Guide to the Galaxy" series they refer to that
as "somebody else's problem" but that doesn't seem to fit.

Bill

3265. Re: [tvnsp] Agenda for the next meeting.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-24 06:03:05 UTC
From: Bill Herrmann
Topic: 3246 Message: 3265

At 03:05 PM 7/22/02 -0700, you wrote:
>on it. Since there is still a lot of space on the CD,
>is there any other software I can load up and
>distribute during the meeting?

I'd like to see a text file (or something) with the appropriate URL's for getting the necessary data. I'd also like to see a sample dataset along with the predictions based on that data.

>--- Jeff Melanson <kd7inn@...> wrote:
> > 1) Paul's presentation of GPSL.
> > 2) John's Flight Prediction Class.
> > 3) Proper planning of the August flight.

I'd suggest thinking of swapping 2 and 3 especially if it might make it possible for Stephanie to make it over. (or is the drive time problem on the other end?)

I'm eager to get 2 knocked out and looking forward to 1, but I think 3 is probably the most important to get done.

Bill

p.s. I'm midway through a permanent mobile installation. If I've got the right rig along I'll be glad to show my progress there. If I have enough time this week to get it done (iffy) I'll show the whole thing. Probably the biggest "different" thing is the GPS I used. I used a Smart Skymaster from Tri-M. It's got the best setup for permanent mounting that I've seen. It's a hockey puck sized GPS unit that mounts in a 3/4" hole and the wiring comes through the center of the mounting stud. Just got it mounted tonight.

3266. Re: [tvnsp] Agenda for the next meeting.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-24 06:42:29 UTC
From: Stephanie Steele
Topic: 3246 Message: 3266

Hi Guys,

There is just no way practical for me to make a Nampa meeting on a work day. I am scheduled on shift at 9pm and I require 60-90 minutes to get myself and my equipment ready to go. When you add the 40-50 minute drive time from Nampa to Fruitland onto that you can see that I would have to leave the meeting right when it starts! In addition, this week, I have an all day court hearing on Friday after working all night Thursday night so finding some time to sleep for work Friday night is going to be a challenge. I'm very disappointed to miss the Flight Prediction Class but I'll just have to catch it some other time. Sorry to miss Paul's recap of GPSL too.

Now, onto August's flight. Here is my input. If we are going for a high altitude record then I would like to see us do it right. To have any reasonable chance at success (with any reasonably redundant tracking equipment & a camera), this would appear to require use of the next size up balloon from the 3000 gm (whatever size that is). I can't see putting the time, effort, and money into a half assed attempt. If we can't afford to do it right then let's just set some other goal and call it good.

BTW, if my capsule is to be scheduled on the August manifest, and if anyone wants to fly an experiment in it, please integrate your experiment onto a 10" high by 10.5" wide piece of the plasticized poster board material to allow it to fit into my modular capsule design. Because no video will fly in the capsule there is no limit to the thickness of your module board for this flight. If you want to fly something that will require some other type of mount please let me know. Also, if the decision is made not to fly my capsule that is fine too. As a reminder my capsule weighs right at 4 pounds flight ready (weighed with alkaline batteries installed) with no experiments on board. With a little tweaking I could probably get it down to 3 pounds 14 ounces but not much lower than that I suspect. There will also be some weight savings when I switch to lithium batteries for flight but I have not weighed it with lithiums so I can't say what the weight is. I am awaiting new battery holders before performing the final battery fitting and weight check.

Stephanie

Bill Herrmann wrote:
> At 03:05 PM 7/22/02 -0700, you wrote:
>
>>on it. Since there is still a lot of space on the CD,
>>is there any other software I can load up and
>>distribute during the meeting?

>
>
> I'd like to see a text file (or something) with the appropriate URL's for
> getting the necessary data. I'd also like to see a sample dataset along
> with the predictions based on that data.
>
>
>>--- Jeff Melanson <kd7inn@...> wrote:
>>
>>>1) Paul's presentation of GPSL.
>>>2) John's Flight Prediction Class.
>>>3) Proper planning of the August flight.
>>
>
> I'd suggest thinking of swapping 2 and 3 especially if it might make it
> possible for Stephanie to make it over. (or is the drive time problem on
> the other end?)
>
> I'm eager to get 2 knocked out and looking forward to 1, but I think 3 is
> probably the most important to get done.
>
> Bill
>
> p.s. I'm midway through a permanent mobile installation. If I've got the
> right rig along I'll be glad to show my progress there. If I have enough
> time this week to get it done (iffy) I'll show the whole thing. Probably
> the biggest "different" thing is the GPS I used. I used a Smart Skymaster
> from Tri-M. It's got the best setup for permanent mounting that I've seen.
> It's a hockey puck sized GPS unit that mounts in a 3/4" hole and the wiring
> comes through the center of the mounting stud. Just got it mounted tonight.
>
>
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
>
>
>

--
Stephanie

****

Learn from the mistakes of others. You can't live long enough to make them all yourself!

****

"They that can give up essential liberty to obtain a little temporary safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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3267. Re: [tvnsp] Agenda for the next meeting.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-24 19:05:54 UTC
From: John Knapp
Topic: 3246 Message: 3267

If possible plese bring your laptops to the meeting
Friday night. I will have a CD with the latest
software on it as well as some text files with
practice information on it.

John Knapp
KD7HGS

_____
Do You Yahoo!?
Yahoo! Autos - Get free new car price quotes
http://autos.yahoo.com

3268. Re: [tvnsp] Agenda for the next meeting.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-24 21:15:09 UTC
From: John Knapp
Topic: 3246 Message: 3268

If possible plese bring your laptops to the meeting
Friday night. I will have a CD with the latest
software on it as well as some text files with
practice information on it.

John Knapp
KD7HGS

Do You Yahoo!?
Yahoo! Autos - Get free new car price quotes
http://autos.yahoo.com

3269. 3000 gm Balloon

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-25 20:18:41 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3269 Message: 3269

Kaymont says the 5000 gram balloons are no longer avaiable. The cost of a 3000 gram is $220. The 3000 grammers are out of stack, they've ordered six of them and they should arrive within 75 days.

Paul

3270. 1200 Gram Balloon

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-25 20:31:23 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3270 Message: 3270

I just recalled that I ordered a balloon before going on vacation. It's not at the campus, so I've called Kaymont for a status. I'm expecting an email from them on my balloon.

Paul

3271. Parachute

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-25 20:56:43 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2599 Message: 3271

Mike, bring your parachute materials. I'll try to sew them this summer.

Paul

3272. Helium Bill

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-25 21:00:42 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3221 Message: 3272

Doug, Sheehan's called me. They said they wrote the credit card number down wrong and couldn't charge the account. Can you call them back?

Thanks,
Paul

3273. Re: [tvnsp] 1200 Gram Balloon

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-25 20:02:09 UTC
From: Harry M
Topic: 3270 Message: 3273

How long does it usually take Kaymont to reply to email?
I mailed them over a week ago for pricing info and no reply yet!

In the mean time if someone could post a ballpark price for any sizes up to
1200g
I would appreciate it.

Harry
KC5TRB

> I just recalled that I ordered a balloon before going on vacation. It's
> not at the campus, so I've called Kaymont for a status. I'm
> expecting an email from them on my balloon.
>

3274. Re: [tvnsp] 3000 gm Balloon

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-25 22:07:36 UTC
From: Stephanie Steele
Topic: 3269 Message: 3274

Hmmm, this appears to seriously impact an August high altitude launch.
See how perceptive I am ;-)

Seriously, Kaymont's data has a 3000 gram balloon's maximum altitude as
124k. They post nozzle lift at 7.2 pounds but payload as 2.8 pounds. I
am confused! Can someone explain how to use this data?

Also, Kaysam's web site is down. I was trying to see what they had but
no go. Too late to call today as they are in NJ.

Stephanie

verhap@... wrote:
> Kaymont says the 5000 gram balloons are no longer avaiable. The
> cost of a 3000 gram is $220. The 3000 grammers are out of stack,
> they've ordered six of them and they should arrive within 75 days.
>
> Paul
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
>
>
>

--
Stephanie

****

Learn from the mistakes of others. You can't live long enough to make
them all yourself!

****

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Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

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3275. Tonight's Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-26 13:54:29 UTC
From: K7JPS - John
Topic: 3246 Message: 3275

Sorry, but I won't be able to make this meeting. My lame excuse is that this is my first opportunity to go camping this summer. I was looking forward to the class, as well as the report on GPSL 2002. I'll vote with Stephanie for a recap of these at another meeting.

As for the August flight, I'll leave it up to the group to decide what the manifest/mission should include. For the date, I vote for August 24, this looks like the one that most of us are available for. Also if we plan to launch at the Idaho Star Party in Bruneau, that is on Sept. 7 and we won't have much time to plan for it.

John "Yes I'm still here" Stone
K7JPS

3276. Re: [tvnsp] 1200 Gram Balloon

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-26 20:11:13 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3270 Message: 3276

Usually I've gotten answer straight away. Typically a 1200 gram
balloon costs $50.

Paul

> How long does it usually take Kaymont to reply to email?
> I mailed them over a week ago for pricing info and no reply yet!
>
> In the mean time if someone could post a ballpark price for any sizes up to
> 1200g
> I would appreciate it.
>
> Harry
> KC5TRB
>
>
>
> > I just recalled that I ordered a balloon before going on vacation. It's
> > not at the campus, so I've called Kaymont for a status. I'm
> > expecting an email from them on my balloon.
> >
>
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>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>

3277. Re: 3000 gm Balloon

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-26 21:43:11 UTC
From: n1ltv
Topic: 3269 Message: 3277

> The 3000 grammers are out of stock,
> they've ordered six of them and they should arrive
> within 75 days.

This shows how incidental sales of these very expensive balloons must be very, very low.

3278. Re: 1200 Gram Balloon

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-26 21:46:07 UTC
From: n1ltv
Topic: 3270 Message: 3278

> In the mean time if someone could post a ballpark price for any sizes up to 1200g I would appreciate it.

$40 per kilogram of balloon. Very rough, but it gives you an idea.

3279. Re: 1200 Gram Balloon

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-26 21:49:14 UTC
From: n1ltv
Topic: 3270 Message: 3279

> How long does it usually take Kaymont to reply to email?
> I mailed them over a week ago for pricing info and no reply yet!

Maybe a phone call would be better.

Seems like Kaymont could be getting a "take it or leave it,"
independent, or "we don't need you small fries" attitude.

Or they're just flakey.

3280. Re: 3000 gm Balloon

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-26 22:01:02 UTC
From: n1ltv
Topic: 3269 Message: 3280

> Seriously, Kaymont's data has a 3000 gram balloon's
> maximum altitude as 124k. They post nozzle lift at 7.2 pounds
> but payload as 2.8 pounds. I am confused! Can someone explain
> how to use this data?

This is not a flip answer. You can't use that data and you
shouldn't try to.

You have to learn how to use a balloon inflation program!

Download LIFTWIN and read its short instructions!

http://www.geocities.com/n1ltv/hablic.htm

I've just finished an improved version prompted by the
creation of the TVNSP training session. John K. has it
and it has been web uploaded, but I'm not positive it
will work smoothly outside of its birthplace on my
computer (has to do with required files in the compile).

If it weren't for that I'd be announcing it all over the
place. It was finished a couple of hours ago.

Hank

3281. Re: Hank's email.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-26 22:10:54 UTC
From: n1ltv
Topic: 3260 Message: 3281

> I tried to send you some email but it was returned. Is
> your Yahoo mailbox full again?

Jeff,

I guess it was. It never should be that way for more
than 12 hours.

n1ltv@... doesn't fill up as easily, but I
prefer yahoo for certain reasons so that's why yahoo
is the main one.

I think I have since got your email, but I posted
the explanation here for the benefit of others.

Hank

3282. Re: [tvnsp] 1200 Gram Balloon

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-26 22:45:49 UTC
From: Zack Clobes
Topic: 3270 Message: 3282

My 600g's were $25.

However, I'm getting kind of fed up with Kaymont's customer service and my next balloons will be coming from Kaysam. I talked to a sales-lady there a few months back and she basically told me that they'd meet any of Kaymont's pricing.

Zack Clobes, W0ZC
Project: Traveler
----- Original Message -----
From: Harry M
To: tvnsp@yahoogroups.com
Sent: Thursday, July 25, 2002 3:02 PM
Subject: Re: [tvnsp] 1200 Gram Balloon

How long does it usually take Kaymont to reply to email?
I mailed them over a week ago for pricing info and no reply yet!

In the mean time if someone could post a ballpark price for any sizes up to
1200g
I would appreciate it.

Harry
KC5TRB

> I just recalled that I ordered a balloon before going on vacation. It's
> not at the campus, so I've called Kaymont for a status. I'm
> expecting an email from them on my balloon.
>

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3283. Re: Agenda for the next meeting.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-27 01:07:13 UTC
From: n1ltv
Topic: 3246 Message: 3283

> I'd like to see a text file (or something) with the
> appropriate URL's for getting the necessary data. I'd also
> like to see a sample dataset along with the predictions based
> on that data.

These are all good ideas. Please do remember that all this
takes execution or implementation, i.e., somebody has to have
the chance to do it and then go do it! Easier said than done
to use the old adage.

I would have taken a shot at it, but I tried to explain a little
of the process to John in email as well as correcting the small
errors in LIFTWIN in time for the first training meeting.

Now that the new LIFTWIN seems to be in the can, I'll make up
some Heathkit style instructions about how to select and obtain
the forecast winds step by step, with plenty of screenshots.

Hank

3284. organization of TVNSP for basic decision making

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-27 01:22:25 UTC
From: n1ltv
Topic: 3284 Message: 3284

Just a few thoughts:

In light of the problems of just having a fair amount
of people at a meeting on any given day, maybe it might
be worth a try to have an executive board of sorts make
a few of the key planning decisions of TVNSP so that
constant changes and adjustments don't crop up quite
as often.

I'd like to go on record that I believe the training
sessions and similar efforts at getting a clearer,
more logical focus to TVNSP are steps in the right
direction and will pay off in the long run if you
stick with them.

Everyone doesn't have to do things the same way, but
it seems as if most of the balloon groups try to have
some basic schedule put together ahead of time,
delegate a variety of tasks that different people
can attend to, and try to get several things
accomplished at the same time because there are
so many details that do need to be done. Of course,
adjustments and changes sometimes need to be made, but
that doesn't mean you shouldn't try to have some
kind of schedule.

EOSS just announced it will not attempt a launch a *month*
from now at a huge (hot air) balloon festival outside Denver.
They are not waiting until later, it's been decided now and
that's that.

By making the decision now there will not be a lot of wasted
effort and discussion about who can do the launch and how it
will be done and where it will be done from.

Just because I'm curious what methods different groups use,
I'm going to ask how far in advance their balloons are
purchased.

Hank

3285. Kaymont vs. Kaysam

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-27 02:08:27 UTC
From: n1ltv
Topic: 3270 Message: 3285

> My 600g's were $25.

Darn close to the $40 per kilogram rule.

> However, I'm getting kind of fed up with Kaymont's customer
> service and my next balloons will be coming from Kaysam. I
> talked to a sales-lady there a few months back and she
> basically told me that they'd meet any of Kaymont's pricing.

Zack,

A very experienced big ballooning guy (university atmospheric science dept.) told me years ago that I didn't need to list Kaysam on the AMSAT balloon page because he said even his *university* was too small a fry to have Kaysam give it the time of day, much less small orders from us 'loonatics.

I guess things must have changed at Kaysam somehow.

What gave you the idea to inquire of Kaysam, the "customer is king"....NOT attitude at Kaymont?

Hank

3286. Re: Kaymont vs. Kaysam

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-27 02:12:13 UTC
From: n1ltv
Topic: 3270 Message: 3286

Kaysam has one very big, rich customer who buys lots
of balloons: Uncle Sam.

Both for the National Weather Service and the military.

3287. Re: [tvnsp] Kaymont vs. Kaysam

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-27 03:53:04 UTC
From: Zack Clobes
Topic: 3270 Message: 3287

Hank, I'm not quite sure I understand your question but basically, I was sick of having to call Kaymont three to four time to make sure an order got shipped (and still wondering after that). They never return your call, never send you emails..... heck, the one guy doesn't even know the pricing! If you don't talk directly to Paul, which is a rather difficult thing to do, then you've got 50/50 odds that anything is going to happen.

As for Kaysam, I don't remember the lady I talked to, but she was very polite and helpful. I'll try to make a note of any details once I order some balloons.

Zack
----- Original Message -----
From: n1ltv
To: tvnsp@...m
Sent: Friday, July 26, 2002 9:08 PM
Subject: [tvnsp] Kaymont vs. Kaysam

> My 600g's were $25.

Darn close to the $40 per kilogram rule.

> However, I'm getting kind of fed up with Kaymont's customer
> service and my next balloons will be coming from Kaysam. I
> talked to a sales-lady there a few months back and she
> basically told me that they'd meet any of Kaymont's pricing.

Zack,

A very experienced big ballooning guy (university atmospheric science dept.) told me years ago that I didn't need to list Kaysam on the AMSAT balloon page because he said even his *university* was too small a fry to have Kaysam give it the time of day, much less small orders from us 'loonatics.

I guess things must have changed at Kaysam somehow.

What gave you the idea to inquire of Kaysam, the "customer is king"....NOT attitude at Kaymont?

Hank

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3288. Basic balloon lift terminology

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-27 06:26:28 UTC
From: n1ltv
Topic: 3269 Message: 3288

> Seriously, Kaymont's data has a 3000 gram balloon's
> maximum altitude as 124k. They post nozzle lift at 7.2 pounds
> but payload as 2.8 pounds. I am confused! Can someone explain
> how to use this data?

Lift of gas - weight of balloon = nozzle lift
Nozzle lift - payload weight = freelift

In the Kaymont example, freelift is 4.8 pounds. This net force
is what is required to have the balloon rise at a decent speed.
The bigger the balloon, the more freelift is required to
attain a certain ascent speed. That's because bigger balloons
have more aerodynamic drag.

If the freelift is zero, the balloon is "neutrally buoyant"
(neither rising nor falling).

If the freelift is negative, the balloon sinks to the ground.

Hank

3289. Balloon tables

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-27 06:33:08 UTC
From: n1ltv
Topic: 3289 Message: 3289

Stephanie,

Balloon tables of the type Kaymont publishes have very little use EXCEPT to provide values that can go *into* calculations to get the freelift and peak altitude and other useful numbers.

Those calculations are so involved they really need a computer to handle.

With a windows type user interface on your balloon program, you can investigate what happens with all kinds of combinations of balloon size, payload weight, and other factors.

When you all get used to LIFTWIN, this will all make perfect sense and you will be able to handle any situation and know exactly what to expect.

Hank

3290. Re: [tvnsp] Re: 3000 gm Balloon

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-27 13:56:41 UTC
From: Stephanie Steele
Topic: 3269 Message: 3290

Ok, thanks. I did just that but LiftWin does not have the Kaymont 3000 gram balloon listed as an option. Now what? Does the Kaysam 3000 figure the same?

Stephanie

n1ltv wrote:
>>Seriously, Kaymont's data has a 3000 gram balloon's
>>maximum altitude as 124k. They post nozzle lift at 7.2 pounds
>>but payload as 2.8 pounds. I am confused! Can someone explain
>>how to use this data?
>
>
> This is not a flip answer. You can't use that data and you
> shouldn't try to.
>
> You have to learn how to use a balloon inflation program!
>
> Download LIFTWIN and read its short instructions!
>
> http://www.geocities.com/n1ltv/hablic.htm
>
> I've just finished an improved version prompted by the
> creation of the TVNSP training session. John K. has it
> and it has been web uploaded, but I'm not positive it
> will work smoothly outside of its birthplace on my
> computer (has to do with required files in the compile).
>
> If it weren't for that I'd be announcing it all over the
> place. It was finished a couple of hours ago.
>
> Hank
>
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
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>
>
>
>

>

--
Stephanie

****

Learn from the mistakes of others. You can't live long enough to make
them all yourself!

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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3291. Re: [tvnsp] 1200 Gram Balloon

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-27 14:47:45 UTC
From: Harry M
Topic: 3270 Message: 3291

Thanks Paul!
Still no response from Kaymont.

Harry

> Usually I've gotten answer straight away. Typically a 1200 gram
> balloon costs $50.

3292. Re: [tvnsp] 1200 Gram Balloon

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-27 14:51:35 UTC
From: Harry M
Topic: 3270 Message: 3292

Thanks to all for your replies.
I will get in touch with Kaysam also.

Harry
KC5TRB

>Subject: Re: [tvnsp] 1200 Gram Balloon

3293. Radio for prospective capsule

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-27 15:32:03 UTC
From: kd7pit
Topic: 3293 Message: 3293

I was wondering if there is any other proven/worthy HT's other than the Alinco DJ-S11 that are light, cheap, and easily modified for use as an APRS transmitter in a capsule or is the Alinco a cheap, lightweight standard? Thanks

Justin, KD7PIT

3294. Re: [tvnsp] Radio for prospective capsule

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-27 18:26:36 UTC
From: Zack Clobes
Topic: 3293 Message: 3294

We've used the VX-1R from day one. Not a single problem - doesn't even need to be modified since it has the ?SMA? connector at the antenna.

----- Original Message -----
From: kd7pit
To: tvnsp@yahoogroups.com
Sent: Saturday, July 27, 2002 10:32 AM
Subject: [tvnsp] Radio for prospective capsule

I was wondering if there is any other proven/worthy HT's other than
the Alinco DJ-S11 that are light, cheap, and easily modified for use
as an APRS transmitter in a capsule or is the Alinco a cheap,
lightweight standard? Thanks

Justin, KD7PIT

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3295. Friday meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-27 22:24:10 UTC
From: n1ltv
Topic: 3295 Message: 3295

So how was the meeting? Inquiring minds hundreds of
miles away are wondering if a good start was made.

Hank

3296. New LIFTWIN available to TVNSP for testing

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-27 22:36:36 UTC
From: n1ltv
Topic: 3269 Message: 3296

> Ok, thanks. I did just that but LiftWin does not have the
> Kaymont 3000 gram balloon listed as an option. Now what?

Well, all righty then, looks like you need the new, improved,
LIFTWIN that gets your clothes even brighter ... and has the
Kaymont 3000.

John probably doled out a few copies on floppies Friday,
but it's easy enough to download:

http://www.geocities.com/n1ltv/newliftwin.htm

Just put liftw-03.exe in the same directory as your LW02
and you should be all set. They will peacefully coexist,
so you don't have to delete the old one.

> Does the Kaysam 3000 figure the same?

I forgot that was in there! It's probably quite similar,
and for rough planning, would be okay to substitute just to
run some ballpark numbers.

This stuff is inexact anyway, so you don't have to get too
concerned about high accuracy anyway because it isn't there.

Hank

3297. Re: [tvnsp] Friday meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-28 03:18:08 UTC
From: John Knapp
Topic: 3295 Message: 3297

I believe a good start was made. We covered a lot of ground, including Paul's talk about the GPSL super launch. It really looked interesting.

We are having a short launch next Saturday, with a max height of 50,000ft. We covered most of Balloon Track, some APRS information, and talked a little bit about LiftWin. The meeting lasted four hours, a little long, but was good. The launch will be late morning, about 10:00am. This will give us time to look at the mornings wind data. We will be meeting at some undetermined place Saturday morning at 9:00am.

As far as Balloon lift goes, we covered the use of the program, used text data from Friday morning for Boise, showed how to export the data so it can be used with Street Atlas, and several other items the program covers. Mainly how to use it.

It was a good meeting, a lot was accomplished.

Since I am getting long on this, I will list future launches:

Aug 3 - more of a practice launch
Sept 7 - In conjunction with an Astronomical group.
Oct 5 or 13.

I hope Paul or Jeff can give more details on this.

Again, Thanks for the help

John Knapp
KD7HGS

--- n1ltv <n1ltv@...> wrote:
> So how was the meeting? Inquiring minds hundreds of
> miles away are wondering if a good start was made.
>
> Hank
>
>

_____
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3298. Re: [tvnsp] Friday meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-28 05:05:14 UTC
From: Jeff Melanson
Topic: 3295 Message: 3298

Hi all,

Paul did his GPSL presentation and it was very interesting. I asked him to make all this information available to Mike Garske our new webmaster so that it can be added to our website. Mike will be working to get the website updated. He's got a lot of work to do there!

John Knapp taught how to do flight predictions. This included the Balloon track software and where to get the information. He did a nice presentation with a projector hooked up to his laptop. A lot was covered in the time that we had. A second class will follow with more detail and how to use forecasted data.

We also discussed our training and flight schedules.

Aug. 3rd ...
Small capsule launch. This capsule is the small one I built and is ready to go. It has only an APRS tracker in it. For prediction purposes I used the new Liftwin version .3 that Hank updated for us and have the following numbers for you. The capsule weighs 2.3 pounds, the balloon is a 200 gm Kaymont, positive lift will be 2 pounds, ascent rate is 1000 fpm, descent rate is 1400 fpm, burst is 47,000 ft. The descent rate was obtained from the Spectrachutes website by estimating the 24" parachute performance for the 2.3 pound payload landing at an altitude of about 2500 ft.

Aug. 9th ...
Meeting 6:30 pm @ Jade Garden - Training on Liftwin and APRS+ software.

Aug. 23rd ...
Meeting 6:30 pm @ Jade Garden - Prelaunch meeting for Aug. 24th flight.

Aug. 24th ...
Stephanie's capsule flies for the first time. Her capsule will carry her tracker and Paul's APS camera. Paul's capsule will carry his tracker and geiger counter.

Sept. 6th ...
Paul's presentation to the Star Party at Bruneau Observatory. This would normally be a TVNSP meeting night. We may want to meet in Bruneau for our prelaunch meeting. Campground available for those who want to spend the night.

Sept. 7th ...
Bruneau Observatory launch. Although we will be setting up a tracking station here for the Star Party we won't necessarily be launching from here. It depends on the flight predictions. Launch time will be about 9:30 am. There will be three capsules. Paul's capsule will have his ATV ready to go. Stephanie's capsule will have her tracker, and my small capsule will have a tracker.

Sept. 20th ...
Meeting 6:30 pm @ Jade Garden. Training.

Oct. 4th ...
Prelaunch meeting. 6:30 pm @ Jade Garden.

Oct. 5th ...
This flight is to capture a sunrise on video and photographs. We will fly two capsules. Mine with the camcorder and tracker. Paul's with an APS camera, geiger counter, and tracker.

Additional information...
I intend to add my CW beacon to my capsule and make arrangements for a foxhunt with VOI and any other clubs or persons who want to participate. No date has been set yet. Paul's intends to build a capsule very similiar to mine and we may do a two balloon launch.
To bring everyone up to speed the capsule I'm referring to is one that I built with an insulated zippered lunch bag. It presently contains a GPS 35, an Alinco DJ-S11 radio, a Tiny Track II, two battery packs and a j-pole antenna. It weighs 2.3 pounds and has a 24" parachute. It is packed with foam rubber. The foam rubber is cut out to hold the equipment. I have drop tested it several times and found it can take heavy impacts with no problems. It's the one we are launching on Aug. 3rd. I've decided to name it the Arctic Zone since that's the name already on the lunch bag. When I add the CW beacon I will add a larger parachute.

Jeff
KD7INN

n1ltv wrote:
>
> So how was the meeting? Inquiring minds hundreds of
> miles away are wondering if a good start was made.
>
> Hank
>
>
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3299. Vale Launchsite

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-28 16:58:54 UTC
From: Jeff Melanson
Topic: 3299 Message: 3299

TVNSP,

Can some give me the Lat/Lon of the park we launched from
near Vale Oregon please?

Jeff
KD7INN

3300. Re: [tvnsp] Vale Launchsite

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-28 20:11:09 UTC
From: Stephanie Steele
Topic: 3299 Message: 3300

Launch Site: Bully Creek Campground NW of Vail, OR
Lat: 44.03?
Long: -117.41?
Alt: 3150 ft
Time 06:30 MDT

Jeff Melanson wrote:
> TVNSP,
>
> Can some give me the Lat/Lon of the park we launched from
> near Vale Oregon please?
>
> Jeff
> KD7INN
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
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>
>
>

--
Stephanie

****

Learn from the mistakes of others. You can't live long enough to make
them all yourself!

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

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3301. Kaymont

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-29 19:24:51 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3301 Message: 3301

I just talked to Paul at Kaymont. They are swamped with government orders, so they have not been able to take care of little customers like us. Paul was very apologetic about this.

They are out of 1200 gram balloons because of their government orders. Paul is sending me a 1500 gram balloon instead. He asked if I needed it this weekend and I said no, next week would be fine.

We'll see what happens.

Paul

3302. NHABG Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-29 19:27:00 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3302 Message: 3302

On the 17th of August, I'm heading over to Seattle for a
presentation to the NHABG. Is anyone interested in going along?

Paul

3303. Lessons and Articles

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-29 19:40:10 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3303 Message: 3303

Since we have a number of people giving lessons at TVNSP meetings, I'd like to suggest that after you make your presentation, write it up for publication in ATV Quarterly. Remember, Mr. Harlan pays for each published article. Can you think of a better reward for spending that time preparing to give your lesson?

Jeff, when things quiet down, put me down for alesson on lapse rates.

Paul

3304. Re: [tvnsp] Radio for prospective capsule

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-29 18:49:40 UTC
From: Lloyd's Hotmail Account
Topic: 3293 Message: 3304

What specs are you looking for, such as frequency band, weight, temperature, battery voltage, etc.

If you are going to do a selection, why not start at the beginning.

Lloyd

----- Original Message -----
From: "kd7pit" <J_Formolo@...>
To: <tvnsp@yahoogroups.com>
Sent: Saturday, July 27, 2002 9:32 AM
Subject: [tvnsp] Radio for prospective capsule

I was wondering if there is any other proven/worthy HT's other than the Alinco DJ-S11 that are light, cheap, and easily modified for use as an APRS transmitter in a capsule or is the Alinco a cheap, lightweight standard? Thanks

Justin, KD7PIT

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3305. Flight Predictions.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-30 03:07:14 UTC
From: Jeff Melanson
Topic: 3305 Message: 3305

TVNSP,

I have done two flight predictions for the Aug. 3rd flight using forecasted data for Saturday. Yesterday the prediction showed that the capsule would travel 32 miles on a bearing of 43 degrees. Today the prediction comes up with 25 miles on a bearing of 48 degrees. The MRF shows that this should be a good ballpark prediction. It's time to look at the maps and start thinking about a safe landing area. So far I have only come up with the Bully Creek Campground launch site that puts the landing site near Weiser. The first prediction was 7 to 8 miles North of Weiser. Today's forecasted prediction is 3 to 4 miles West of Weiser. A launch from Homedale puts it near Emmett. A launch from Succor Creek puts it in Nampa. I'm not doing that again!

I'll write an explanation of how to do the forecasted prediction and post it tonight.

Jeff
KD7INN

3306. Flight Predictions with forecast winds.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-30 03:55:56 UTC
From: Jeff Melanson
Topic: 3306 Message: 3306

Flight predictions with forecast winds.

Click on this link:

http://gus.arlhq.noaa.gov/ready/cmet.html

Scroll down to

Forecast Soundings

It's on the left side of the screen. Just to the right of
this is a pull down menu that says

----Choose a Forecast Dataset----

Pull down the menu and select

Medium Range Forecast Model (MRF 191 km over Globe)

Type in our 3 letter ID which is boi or go to the bottom of
the page and enter in the Lat/Lon of the launch site. Click
on the Next button.

Near the top of the page select

Text listing only

Use the pull down menu to choose the time to plot. For our
upcoming launch choose

August 03, 2002 at 12 UTC (+___ Hrs)

Go to the bottom of the screen and click on Request Plot.

Cut and paste this entire page into Notepad and save the
file. Put this into Balloon Track just like we have always
done and there you have it!

Mark Conner says within 84 hours you can use the AVN model,
and within 48-60 hours you can use the Eta model.

Now you know how to do it so get crackin!

Jeff
KD7INN

3307. Re: [tvnsp] Flight Predictions.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-30 03:00:25 UTC
From: John Knapp
Topic: 3305 Message: 3307

I haven't had a chance to put in different launch areas yet but this evening (using 6pm launch data - 2400Z) I had the following:

Bearing: 94.6 degrees
distance: 39.4 miles
Time: 67 Minutes.

The last MRF I looked at showed a general shift of the winds from the nw to the sw. I believe that would effect the launch and landing areas.

Anyone else have any thoughts on this?

JohnK
KD7HGS
--- Jeff Melanson <kd7inn@...> wrote:
> TVNSP,
>
> I have done two flight predictions for the Aug. 3rd
> flight
> using forecasted data for Saturday. Yesterday the
> prediction
> showed that the capsule would travel 32 miles on a
> bearing
> of 43 degrees. Today the prediction comes up with 25
> miles
> on a bearing of 48 degrees. The MRF shows that this
> should
> be a good ballpark prediction. It's time to look at
> the maps
> and start thinking about a safe landing area. So far
> I have
> only come up with the Bully Creek Campground launch
> site
> that puts the landing site near Weiser. The first
> prediction
> was 7 to 8 miles North of Weiser. Today's forecasted
> prediction is 3 to 4 miles West of Weiser. A launch
> from
> Homedale puts it near Emmett. A launch from Succor
> Creek
> puts it in Nampa. I'm not doing that again!
>
> I'll write an explanation of how to do the
> forecasted

> prediction and post it tonight.
>
> Jeff
> KD7INN
>

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3308. Re: [tvnsp] Flight Predictions.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-30 04:07:28 UTC
From: Jeff Melanson
Topic: 3305 Message: 3308

John,

I just sent a procedure on how to use forecasted predictions
which will give us better information. Give it a try, it's
fairly easy.

Jeff
KD7INN

John Knapp wrote:
>
> I haven't had a chance to put in different launch
> areas yet but this evening (using 6pm launch data -
> 2400Z) I had the following:
>
> Bearing: 94.6 degrees
> distance: 39.4 miles
> Time: 67 Minutes.
>
> The last MRF I looked at showed a general shift of the
> winds from the nw to the sw. I believe that would
> effect the launch and landing areas.
>
> Anyone else have any thoughts on this?
>
> JohnK
> KD7HGS
> --- Jeff Melanson <kd7inn@...> wrote:
> > TVNSP,
> >
> > I have done two flight predictions for the Aug. 3rd
> > flight
> > using forecasted data for Saturday. Yesterday the
> > prediction
> > showed that the capsule would travel 32 miles on a
> > bearing
> > of 43 degrees. Today the prediction comes up with 25
> > miles
> > on a bearing of 48 degrees. The MRF shows that this
> > should
> > be a good ballpark prediction. It's time to look at
> > the maps
> > and start thinking about a safe landing area. So far
> > I have
> > only come up with the Bully Creek Campground launch
> > site

> > that puts the landing site near Weiser. The first
> > prediction
> > was 7 to 8 miles North of Weiser. Today's forecasted
> > prediction is 3 to 4 miles West of Weiser. A launch
> > from
> > Homedale puts it near Emmett. A launch from Succor
> > Creek
> > puts it in Nampa. I'm not doing that again!
> >
> > I'll write an explanation of how to do the
> > forecasted
> > prediction and post it tonight.
> >
> > Jeff
> > KD7INN
> >
>
> ---
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3309. Re: [tvnsp] Flight Predictions with forecast winds.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-30 18:44:05 UTC
From: John Knapp
Topic: 3306 Message: 3309

Using this mornings data (for the forcasted data, not current data), and Bully Creek as the launch point, I got the following:

Landing at 44.2133 Degrees
-116.9622 Degrees
Bearing: 60 degrees
Distance: 25.5 miles
Time: 65 minutes.

Not sure where this puts the balloon (I don't have a map on this computer).

Jeff, what did you get for this?

Also, I believe I have figured out how to put in the landing site and find the launch point. In balloon track, go to the Calculators tab, then force site selector. That opens a new window, enter the landing site wanted, under force check 'landing site' and then calculate the data. I haven't spent a lot of time with it, hope someone will confirm what I found.

JohnK
KD7HGS

--- Jeff Melanson <kd7inn@...> wrote:
> Flight predictions with forecast winds.
>
> Click on this link:
>
> http://gus.arlhq.noaa.gov/ready/cmet.html
>
> Scroll down to
>
> Forecast Soundings
>
> It's on the left side of the screen. Just to the
> right of
> this is a pull down menu that says
>
> ----Choose a Forecast Dataset----
>
> Pull down the menu and select
>
> Medium Range Forecast Model (MRF 191 km over Globe)

>
> Type in our 3 letter ID which is boi or go to the
> bottom of
> the page and enter in the Lat/Lon of the launch
> site. Click
> on the Next button.
>
> Near the top of the page select
>
> Text listing only
>
> Use the pull down menu to choose the time to plot.
> For our
> upcoming launch choose
>
> August 03, 2002 at 12 UTC (+___ Hrs)
>
> Go to the bottom of the screen and click on Request
> Plot.
>
> Cut and paste this entire page into Notepad and save
> the
> file. Put this into Balloon Track just like we have
> always
> done and there you have it!
>
> Mark Conner says within 84 hours you can use the AVN
> model,
> and within 48-60 hours you can use the Eta model.
>
> Now you know how to do it so get crackin!
>
> Jeff
> KD7INN
>

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3310. Re: Flight Predictions with forecast winds.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-30 21:22:20 UTC
From: pverhage1960
Topic: 3306 Message: 3310

Jeff, write this down in an article and send it to ATV Quarterly.

Paul

--- In tvnsp@y..., Jeff Melanson <kd7inn@e...> wrote:
> Flight predictions with forecast winds.
>
> Click on this link:
>
> http://gus.arlhq.noaa.gov/ready/cmet.html
>
> Scroll down to
>
> Forecast Soundings
>
> It's on the left side of the screen. Just to the right of
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> ----Choose a Forecast Dataset----
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> Pull down the menu and select
>
> Medium Range Forecast Model (MRF 191 km over Globe)
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> the page and enter in the Lat/Lon of the launch site. Click
> on the Next button.
>
> Near the top of the page select
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>
> Use the pull down menu to choose the time to plot. For our
> upcoming launch choose
>
> August 03, 2002 at 12 UTC (+___ Hrs)
>
> Go to the bottom of the screen and click on Request Plot.
>
> Cut and paste this entire page into Notepad and save the
> file. Put this into Balloon Track just like we have always
> done and there you have it!
>
> Mark Conner says within 84 hours you can use the AVN model,
> and within 48-60 hours you can use the Eta model.

>
> Now you know how to do it so get crackin!
>
> Jeff
> KD7INN

3311. Re: [tvnsp] Re: Flight Predictions with forecast winds.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-30 21:37:45 UTC
From: Randy Farley
Topic: 3306 Message: 3311

I dumped Jeff's original post on how to get forcast data
so i will mention here what i found.
Looks like you can get to the same site
by way of Balloon Track. Just go to the "Launch Browser" menu
and choose the "AVN Data" bar. Then just follow Jeff's
instructions. Saves remembering another book mark.

pverhage1960 wrote:
>
> Jeff, write this down in an article and send it to ATV Quarterly.
>
> Paul
>
> --- In tvnsp@y..., Jeff Melanson <kd7inn@e...> wrote:
> > Flight predictions with forecast winds.
> >
> > Click on this link:
> >
> > http://gus.arlhq.noaa.gov/ready/cmet.html
> >
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> > upcoming launch choose
> >
> > August 03, 2002 at 12 UTC (+___ Hrs)

> >
> > Go to the bottom of the screen and click on Request Plot.
> >
> > Cut and paste this entire page into Notepad and save the
> > file. Put this into Balloon Track just like we have always
> > done and there you have it!
> >
> > Mark Conner says within 84 hours you can use the AVN model,
> > and within 48-60 hours you can use the Eta model.
> >
> > Now you know how to do it so get crackin!
> >
> > Jeff
> > KD7INN
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

--
Regards,

Randy Farley
N7GPS -Ham Call-
My QTH at: http://map.findu.com/n7gps
Find Me Mobile at: http://map.findu.com/n7gps-9

3312. Mailbox full.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-31 02:05:51 UTC
From: Jeff Melanson
Topic: 3312 Message: 3312

Hi Hank,

I tried to send you mail but it was returned again with the
following error.

n1ltv@...
SMTP error from remote mailer after end of data:
host mx2.mail.yahoo.com [64.157.4.88]: 554 delivery
error:
dd Sorry, your message to n1ltv@... cannot be
delivered. This
account is over quota. - mta511.mail.yahoo.com

Your mailbox is full again. I'll try again later.

Jeff
KD7INN

3313. Re: [tvnsp] Re: Flight Predictions with forecast winds.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-31 02:14:26 UTC
From: Jeff Melanson
Topic: 3306 Message: 3313

Randy,

This works when you are within 84 hours of launch time.
Outside 84 hours you need the MRF model instead of the AVN
model because the AVN model doesn't forecast out past 84
hours. Within 48 to 60 hours use the Eta model. If Mark
Conner is back from his honeymoon he can explain why. I
assume it's becuase these models are more accurate but I'm
not sure. You have to watch out for that assuming stuff.

Jeff
KD7INN

Randy Farley wrote:
>
> I dumped Jeff's original post on how to get forcast data
> so i will mention here what i found.
> Looks like you can get to the same site
> by way of Balloon Track. Just go to the "Launch Browser" menu
> and choose the "AVN Data" bar. Then just follow Jeff's
> instructions. Saves remembering another book mark.
>
> pverhage1960 wrote:
> >
> > Jeff, write this down in an article and send it to ATV Quarterly.
> >
> > Paul
> >
> > --- In tvnsp@y..., Jeff Melanson <kd7inn@e...> wrote:
> > > Flight predictions with forecast winds.
> > >
> > > Click on this link:
> > >
> > > http://gus.arlhq.noaa.gov/ready/cmet.html
> > >
> > > Scroll down to
> > >
> > > Forecast Soundings
> > >
> > > It's on the left side of the screen. Just to the right of
> > > this is a pull down menu that says
> > >
> > > ----Choose a Forecast Dataset----
> > >
> > > Pull down the menu and select
> > >

> > > Medium Range Forecast Model (MRF 191 km over Globe)
> > >
> > > Type in our 3 letter ID which is boi or go to the bottom of
> > > the page and enter in the Lat/Lon of the launch site. Click
> > > on the Next button.
> > >
> > > Near the top of the page select
> > >
> > > Text listing only
> > >
> > > Use the pull down menu to choose the time to plot. For our
> > > upcoming launch choose
> > >
> > > August 03, 2002 at 12 UTC (+___ Hrs)
> > >
> > > Go to the bottom of the screen and click on Request Plot.
> > >
> > > Cut and paste this entire page into Notepad and save the
> > > file. Put this into Balloon Track just like we have always
> > > done and there you have it!
> > >
> > > Mark Conner says within 84 hours you can use the AVN model,
> > > and within 48-60 hours you can use the Eta model.
> > >
> > > Now you know how to do it so get crackin!
> > >
> > > Jeff
> > > KD7INN
> >
> >
> > To unsubscribe from this group, send an email to:
> > tvnsp-unsubscribe@egroups.com
> >
> >
> >
> > Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
> --
> Regards,
>
> Randy Farley
> N7GPS -Ham Call-
> My QTH at: http://map.findu.com/n7gps
> Find Me Mobile at: http://map.findu.com/n7gps-9
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>

>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

3314. Re: [tvnsp] Re: Flight Predictions with forecast winds.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-31 02:25:05 UTC
From: Jeff Melanson
Topic: 3306 Message: 3314

The AVN model is updated more often. I suppose that's why
it's more accurate.

Jeff

Jeff Melanson wrote:
>
> Randy,
>
> This works when you are within 84 hours of launch time.
> Outside 84 hours you need the MRF model instead of the AVN
> model because the AVN model doesn't forecast out past 84
> hours. Within 48 to 60 hours use the Eta model. If Mark
> Conner is back from his honeymoon he can explain why. I
> assume it's becuase these models are more accurate but I'm
> not sure. You have to watch out for that assuming stuff.
>
> Jeff
> KD7INN
>
> Randy Farley wrote:
> >
> > I dumped Jeff's original post on how to get forcast data
> > so i will mention here what i found.
> > Looks like you can get to the same site
> > by way of Balloon Track. Just go to the "Launch Browser" menu
> > and choose the "AVN Data" bar. Then just follow Jeff's
> > instructions. Saves remembering another book mark.
> >
> > pverhage1960 wrote:
> > >
> > > Jeff, write this down in an article and send it to ATV Quarterly.
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> > > Paul
> > >
> > > --- In tvnsp@y..., Jeff Melanson <kd7inn@e...> wrote:
> > > > Flight predictions with forecast winds.
> > > >
> > > > Click on this link:
> > > >
> > > > http://gus.arlhq.noaa.gov/ready/cmet.html
> > > >
> > > > Scroll down to
> > > >
> > > > Forecast Soundings

> > > >
> > > > It's on the left side of the screen. Just to the right of
> > > > this is a pull down menu that says
> > > >
> > > > ----Choose a Forecast Dataset----
> > > >
> > > > Pull down the menu and select
> > > >
> > > > Medium Range Forecast Model (MRF 191 km over Globe)
> > > >
> > > > Type in our 3 letter ID which is boi or go to the bottom of
> > > > the page and enter in the Lat/Lon of the launch site. Click
> > > > on the Next button.
> > > >
> > > > Near the top of the page select
> > > >
> > > > Text listing only
> > > >
> > > > Use the pull down menu to choose the time to plot. For our
> > > > upcoming launch choose
> > > >
> > > > August 03, 2002 at 12 UTC (+___ Hrs)
> > > >
> > > > Go to the bottom of the screen and click on Request Plot.
> > > >
> > > > Cut and paste this entire page into Notepad and save the
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> > > > Mark Conner says within 84 hours you can use the AVN model,
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> > > >
> > > > Now you know how to do it so get crackin!
> > > >
> > > > Jeff
> > > > KD7INN
> > >
> > >
> > > To unsubscribe from this group, send an email to:
> > > tvnsp-unsubscribe@egroups.com
> > >
> > >
> > >
> > > Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
> >
> > --
> > Regards,
> >
> > Randy Farley
> > N7GPS -Ham Call-

> > My QTH at: http://map.findu.com/n7gps
> > Find Me Mobile at: http://map.findu.com/n7gps-9
> >
> >
> > To unsubscribe from this group, send an email to:
> > tvnsp-unsubscribe@egroups.com
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> >
> >
> > Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
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> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

3315. Re: [tvnsp] Flight Predictions with forecast winds.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-31 02:41:46 UTC
From: Jeff Melanson
Topic: 3306 Message: 3315

John,

My prediction using the MRF model is very close to yours.
That put's us about 3.5 miles SE of Weiser. Previous
predictions put us on the North or NW side.
Someone with knowledge of the Weiser area tell us about it.
Is it a good landing area? What are the hazards?

John Knapp wrote:
>
> Using this mornings data (for the forcasted data, not
> current data), and Bully Creek as the launch point, I
> got the following:
>
> Landing at 44.2133 Degrees
> -116.9622 Degrees
> Bearing: 60 degrees
> Distance: 25.5 miles
> Time: 65 minutes.
>
> Not sure where this puts the balloon (I don't have a
> map on this computer).
>
> Jeff, what did you get for this?
>
> Also, I believe I have figured out how to put in the
> landing site and find the launch point. In balloon
> track, go to the Calculators tab, then force site
> selector. That opens a new window, enter the landing
> site wanted, under force check 'landing site' and then
> calculate the data. I haven't spent a lot of time with
> it, hope someone will confirm what I found.
>
> JohnK
> KD7HGS
>
> --- Jeff Melanson <kd7inn@...> wrote:
> > Flight predictions with forecast winds.
> >
> > Click on this link:
> >
> > http://gus.arlhq.noaa.gov/ready/cmet.html
> >
> > Scroll down to
> >

> > Forecast Soundings
> >
> > It's on the left side of the screen. Just to the
> > right of
> > this is a pull down menu that says
> >
> > ----Choose a Forecast Dataset----
> >
> > Pull down the menu and select
> >
> > Medium Range Forecast Model (MRF 191 km over Globe)
> >
> > Type in our 3 letter ID which is boi or go to the
> > bottom of
> > the page and enter in the Lat/Lon of the launch
> > site. Click
> > on the Next button.
> >
> > Near the top of the page select
> >
> > Text listing only
> >
> > Use the pull down menu to choose the time to plot.
> > For our
> > upcoming launch choose
> >
> > August 03, 2002 at 12 UTC (+___ Hrs)
> >
> > Go to the bottom of the screen and click on Request
> > Plot.
> >
> > Cut and paste this entire page into Notepad and save
> > the
> > file. Put this into Balloon Track just like we have
> > always
> > done and there you have it!
> >
> > Mark Conner says within 84 hours you can use the AVN
> > model,
> > and within 48-60 hours you can use the Eta model.
> >
> > Now you know how to do it so get crackin!
> >
> > Jeff
> > KD7INN
> >
>
> _____
> Do You Yahoo!?
> Yahoo! Health - Feel better, live better

> http://health.yahoo.com
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

3316. Re: Mailbox full.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-31 01:56:33 UTC
From: n1ltv
Topic: 3312 Message: 3316

> I tried to send you mail but it was returned again with the
> following error.

This must be fairly aggravating for you Jeff.

Please start using n1ltv@... until further
notice as I've mentioned before.

The format at yahoomail just changed 5 days ago
and I think they're tightening up on the quota overflow
criteria. Or, more accurately, they're increasing the
penalties at lower thresholds. I do not get informed
of this incoming mail getting cut off until it gets
real bad, so I'm not aware it's happening (in the early
stages where it's just barely overquota) until someone
tells me.

Hank

3317. Re: Flight Predictions with forecast winds.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-31 02:00:53 UTC
From: n1ltv
Topic: 3306 Message: 3317

> The AVN model is updated more often. I suppose that's why
> it's more accurate.

I'll try to be a substitute for Mark while he's
away. :)

The preferred models closer to launch may be
computed more often, but another perhaps more
important distinction is that they are based
on a finer "grid". That's a closer geographic
spacing.

3318. Re: Flight Predictions with forecast winds.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-31 02:08:58 UTC
From: n1ltv
Topic: 3306 Message: 3318

> > Landing at 44.2133 Degrees
> > -116.9622 Degrees
> > Bearing: 60 degrees
> > Distance: 25.5 miles
> > Time: 65 minutes.

Just for everybody's benefit, the elapsed time should not change at all no matter what the winds are. The fact that is does, sometimes by a significant amount, means that there is a tiny flaw in BalloonTrack.

I've meant to bring this up with Rick the program author. He reads the list so he'll see this message.

I first noticed the flaw on all the predictions Mark and I did for the last TVNSP launch (other than GPSL). I'm pretty sure it's related to the smaller number of forecast wind altitudes compared to a regular actual sounding. Compared to all the things BalloonTrack does perfectly, it's very minor.

Hank

3319. Re: [tvnsp] Re: Flight Predictions with forecast winds.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-31 02:16:22 UTC
From: Mark Conner
Topic: 3306 Message: 3319

Actually, I've been back for a couple of days, but still mucking out my inbox.....

The AVN and MRF models are almost the same. The main difference is that the "MRF run" is only at 00Z and has a later data cutoff time. This allows for more data to initialize the model more accurately.

At present, the AVN is run by NCEP out to 384 hours 4x/day now. However, the ARL site that generates the soundings does not get all that data (I asked - it would overrun their current comm and disk space).

The Eta is preferred when its available due to its increased horizontal and vertical resolution. You'll get more details especially in the lower layers of the atmosphere, and the Eta will more accurately account for terrain influences (when your mountains are only represented by lumps at 190 km intervals, that doesn't help).

73 de Mark N9XTN
----- Original Message -----
From: n1ltv
To: tvnsp@yahoogroups.com
Sent: Tuesday, July 30, 2002 21:00
Subject: [tvnsp] Re: Flight Predictions with forecast winds.

> The AVN model is updated more often. I suppose that's why
> it's more accurate.

I'll try to be a substitute for Mark while he's
away. :)

The preferred models closer to launch may be
computed more often, but another perhaps more
important distinction is that they are based
on a finer "grid". That's a closer geographic
spacing.

3320. Re: [tvnsp] Re: Flight Predictions with forecast winds.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-31 02:20:49 UTC
From: Jeff Melanson
Topic: 3306 Message: 3320

Hi Hank,

Here's another question.

There are two AVN models.

Aviation Model (AVN 191 km over Globe)

Aviatoin Model (AVN 111 km over N Hemisphere)

What's the difference?

Jeff
KD7INN

n1ltv wrote:
>
> > The AVN model is updated more often. I suppose that's why
> > it's more accurate.
>
> I'll try to be a substitute for Mark while he's
> away. :)
>
> The preferred models closer to launch may be
> computed more often, but another perhaps more
> important distinction is that they are based
> on a finer "grid". That's a closer geographic
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>
>
> To unsubscribe from this group, send an email to:
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>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

3321. Re: [tvnsp] Flight Predictions with forecast winds.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-31 02:42:27 UTC
From: John Knapp
Topic: 3306 Message: 3321

I did a prediction this evening with a launch point
for Succor Creek. Predicted landing was close to
Highway 45, about halfway between Nampa and Murphy.
Details:

Lat: 43.4276
Long: -116.5798
Bearing: 60 degrees
Distance: 27 miles
Time: 66 minutes.

JohnK
KD7HGS

_____
Do You Yahoo!?
Yahoo! Health - Feel better, live better
http://health.yahoo.com

3322. Re: Flight Predictions with forecast winds.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-31 03:45:07 UTC
From: n1ltv
Topic: 3306 Message: 3322

> Here's another question.
>
> There are two AVN models.
> What's the difference?

I'm out of here on these expert wx questions. The
real wx guy is back.

Mark?

3323. Re: [tvnsp] Flight Predictions with forecast winds.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-31 07:11:54 UTC
From: Stephanie Steele
Topic: 3306 Message: 3323

The Weiser area would present very few problems for your landing. There are very few water hazzards and the ground is mostly hay ground, cattle ranches, and easily accessible public lands (BLM & State). It's not as flat as the Payette River Valley area but just as problem free. Your only signifigant water hazzards are the Snake River which runs generally north/south at that point and the Weiser River which is very shallow and narrow this time of year. The Snake does make a short east/west run just west of Weiser. It is fairly shallow there with not much current this time of year but would still require a boat for recovery. I would still avoid a launch site which would result in that small area being the landing zone. Basically there are pretty long odds of landing in either of them as the balloon flight would run perpendicular with their direction for the most part.

Stephanie

Jeff Melanson wrote:
> John,
>
> My prediction using the MRF model is very close to yours.
> That put's us about 3.5 miles SE of Weiser. Previous
> predictions put us on the North or NW side.
> Someone with knowledge of the Weiser area tell us about it.
> Is it a good landing area? What are the hazards?
>
> John Knapp wrote:
>
>>Using this mornings data (for the forcasted data, not
>>current data), and Bully Creek as the launch point, I
>>got the following:
>>
>>Landing at 44.2133 Degrees
>> -116.9622 Degrees
>> Bearing: 60 degrees
>> Distance: 25.5 miles
>> Time: 65 minutes.
>>
>>Not sure where this puts the balloon (I don't have a
>>map on this computer).
>>
>>Jeff, what did you get for this?
>>
>>Also, I believe I have figured out how to put in the
>>landing site and find the launch point. In balloon
>>track, go to the Calculators tab, then force site

>>selector. That opens a new window, enter the landing
>>site wanted, under force check 'landing site' and then
>>calculate the data. I haven't spent a lot of time with
>>it, hope someone will confirm what I found.
>>
>>JohnK
>>KD7HGS
>>
>>--- Jeff Melanson <kd7inn@...> wrote:
>>
>>>Flight predictions with forecast winds.
>>>
>>>Click on this link:
>>>
>>>http://gus.arlhq.noaa.gov/ready/cmet.html
>>>
>>>Scroll down to
>>>
>>>Forecast Soundings
>>>
>>>It's on the left side of the screen. Just to the
>>>right of
>>>this is a pull down menu that says
>>>
>>>----Choose a Forecast Dataset----
>>>
>>>Pull down the menu and select
>>>
>>>Medium Range Forecast Model (MRF 191 km over Globe)
>>>
>>>Type in our 3 letter ID which is boi or go to the
>>>bottom of
>>>the page and enter in the Lat/Lon of the launch
>>>site. Click
>>>on the Next button.
>>>
>>>Near the top of the page select
>>>
>>>Text listing only
>>>
>>>Use the pull down menu to choose the time to plot.
>>>For our
>>>upcoming launch choose
>>>
>>>August 03, 2002 at 12 UTC (+___ Hrs)
>>>
>>>Go to the bottom of the screen and click on Request
>>>Plot.
>>>
>>>Cut and paste this entire page into Notepad and save

>>>the
>>>file. Put this into Balloon Track just like we have
>>>always
>>>done and there you have it!
>>>
>>>Mark Conner says within 84 hours you can use the AVN
>>>model,
>>>and within 48-60 hours you can use the Eta model.
>>>
>>>Now you know how to do it so get crackin!
>>>
>>>Jeff
>>>KD7INN
>>>
>>
>>_____
>>Do You Yahoo!?
>>Yahoo! Health - Feel better, live better
>>http://health.yahoo.com
>>
>>
>>To unsubscribe from this group, send an email to:
>>tvnsp-unsubscribe@egroups.com
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>>
>>
>>Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
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>
>
>
>

--
Stephanie

****

Learn from the mistakes of others. You can't live long enough to make
them all yourself!

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

Send and receive money safely over the Internet by using PayPal. I use
it and highly recommend it as a safe and reliable means to conduct
business. By using the link below we both will receive a $5 sign up bonus.

https://www.paypal.com/refer/pal=kc7dba%40arrl.net

****

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this message is strictly prohibited.

3324. NWAPRS Summer Gathering Info

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-31 12:55:10 UTC
From: Stephanie Steele
Topic: 3324 Message: 3324

If anyone is interested:

The Summer Gathering dates have been set:

September 6th, 7th, and 8th, 2002.

It will once again be hosted by the Proehl's (K7FZO et al) at Vallley Camp near North Bend.

This is a great opportunity for all APRS'ers (new and experienced) to get together and learn more about this aspect of amateur radio.

The gathering will likely follow the same formula as in the past years - Friday arrival, Saturday APRS presentations, Potluck Dinners, playing with computers and radios, and perhaps even a Saturday evening movie spectacular.

Overnight camping is available. Contact Thom Proehl directly for those arrangements.

Dave will update the web page with more details when he is available to do so. We just wanted to get the dates out now, so that you can start making plans to be there.

See you out there in September!

Brad N7JGX Lynnwood, WA.

--
Stephanie

****

Learn from the mistakes of others. You can't live long enough to make them all yourself!

****

"They that can give up essential liberty to obtain a little temporary safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

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it and highly recommend it as a safe and reliable means to conduct
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https://www.paypal.com/refer/pal=kc7dba%40arrl.net

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copying or the taking of any action based upon the information contained in
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3325. Fund Raising Activity

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-31 13:27:31 UTC
From: Stephanie Steele
Topic: 3325 Message: 3325

Hi,

I looked into what was involved in our group doing a fund raiser at the Fruitland Family Fun Day and the only requirement is a $20 registration fee. I think this may conflict with the September launch in any case. Just thought I'd let you know. I suspect other similar events would have similar requirments.

--
Stephanie

****

Learn from the mistakes of others. You can't live long enough to make them all yourself!

****

"They that can give up essential liberty to obtain a little temporary safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

Send and receive money safely over the Internet by using PayPal. I use it and highly recommend it as a safe and reliable means to conduct business. By using the link below we both will receive a $5 sign up bonus.

https://www.paypal.com/refer/pal=kc7dba%40arrl.net

****

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3326. Re: [tvnsp] Fund Raising Activity

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-31 14:20:09 UTC
From: Doug Rich
Topic: 3325 Message: 3326

As a VOI club activity, the VOI would pay the $20 and the proceeds would go into the TVNSP account.

Doug W7DVR

>I looked into what was involved in our group doing a fund raiser at the
>Fruitland Family Fun Day and the only requirement is a $20 registration
>fee. I think this may conflict with the September launch in any case.
>Just thought I'd let you know. I suspect other similar events would have
>similar requirments.

3327. We Have Money

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-31 21:32:22 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3327 Message: 3327

Bruneau Dunes State Park will pay $100 for our presentation and launch. We need to arrange to set up equipment and to give the presentation. they have an LCD projector, so I'll begin writing up a PowerPoint presentation. We'll need to select videos and who is to give which part of the presentation.

Paul

3328. Re: [tvnsp] Fund Raising Activity

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-31 21:27:10 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3325 Message: 3328

The Snake River club operated a coffee and cookie stand at a rest
stop. Perhaps one of the Johns know more. Could we do that and
much did the club make?

We'd have a heck of a display!

Paul

> Hi,
>
> I looked into what was involved in our group doing a fund raiser at the
> Fruitland Family Fun Day and the only requirement is a $20 registration
> fee. I think this may conflict with the September launch in any case.
> Just thought I'd let you know. I suspect other similar events would have
> similar requirments.
>
>
> --
> Stephanie
>
> ******************************
>
> Learn from the mistakes of others. You can't live long enough to make
> them all yourself!
>
> ******************************
>
> "They that can give up essential liberty to obtain a little temporary
> safety deserve neither liberty nor safety."
>
> Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.
>
> "Those who desire to give up freedom in order to gain security will not
> have, nor do they deserve, either one."
>
> President Thomas Jefferson.
> 1743-1826
>
> ******************************
>
> Send and receive money safely over the Internet by using PayPal. I use
> it and highly recommend it as a safe and reliable means to conduct
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3329. Re: Schedule

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-31 21:24:40 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2009 Message: 3329

> Paul,
> You and Stephanie will have to get together without me to
> get the camera installed in her capsule and tested. I
> believe the setup you have is already flight tested and it's
> just a matter of fabricating the wiring harness to go from
> your capsule to her capsule. Is that correct?

That's correct. As soon as I get back from the ALCON
presentation. i'll arrange via email to add the camera to Stephanie's
capsule.

Paul

3330. Re: [tvnsp] Fund Raising Activity

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-07-31 21:35:18 UTC
From: John Knapp
Topic: 3325 Message: 3330

The last one we did was at Labor Day. We barely broke even for whatever reason. We were at the rest stop just inside the Idaho border. If you want to do that type of money raising activity you need to sign up early in the year for a rest stop location. There are other options possible also. A lot of thought and commitment would need to go into this.

JohnK
KD7HGS
--- verhap@... wrote:
> The Snake River club operated a coffee and cookie
> stand at a rest
> stop. Perhaps one of the Johns know more. Could we
> do that and
> much did the club make?
>
> We'd have a heck of a display!
>
> Paul
>
> > Hi,
> >
> > I looked into what was involved in our group doing
> a fund raiser at the
> > Fruitland Family Fun Day and the only requirement
> is a $20 registration
> > fee. I think this may conflict with the September
> launch in any case.
> > Just thought I'd let you know. I suspect other
> similar events would have
> > similar requirments.
> >
> >
> > --
> > Stephanie
> >
> > ********************************
> >
> > Learn from the mistakes of others. You can't live
> long enough to make
> > them all yourself!
> >
> > ********************************
> >

> > "They that can give up essential liberty to obtain
> a little temporary
> > safety deserve neither liberty nor safety."
> >
> > Benjamin Franklin (1706-1790), Letter to Josiah
> Quincy, Sept. 11, 1773.
> >
> > "Those who desire to give up freedom in order to
> gain security will not
> > have, nor do they deserve, either one."
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> >
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3331. Aug 3 Flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-01 00:19:39 UTC
From: Jeff Melanson
Topic: 3331 Message: 3331

TVNSP,

Todays prediction with forcasted data puts the landing site about 7 or 8 miles NE of Weiser if launched from Bully Creek Campground.

Jeff
KD7INN

3332. Re: [tvnsp] Fund Raising Activity

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-01 01:16:33 UTC
From: Stephanie Steele
Topic: 3325 Message: 3332

TVRA does one at this same rest stop and makes 3-500 each Thanksgiving.
The key to success is the weekend you pick. Tradionally, Memorial Day,
4th of July, and Thanksgiving are the best.

Stephanie

John Knapp wrote:
> The last one we did was at Labor Day. We barely broke
> even for whatever reason. We were at the rest stop
> just inside the Idaho border. If you want to do that
> type of money raising activity you need to sign up
> early in the year for a rest stop location. There are
> other options possible also. A lot of thought and
> commitment would need to go into this.
>
> JohnK
> KD7HGS
> --- verhap@... wrote:
>
>>The Snake River club operated a coffee and cookie
>>stand at a rest
>>stop. Perhaps one of the Johns know more. Could we
>>do that and
>>much did the club make?
>>
>>We'd have a heck of a display!
>>
>>Paul
>>
>>
>>>Hi,
>>>
>>>I looked into what was involved in our group doing
>>
>>a fund raiser at the
>>
>>>Fruitland Family Fun Day and the only requirement
>>
>>is a $20 registration
>>
>>>fee. I think this may conflict with the September
>>
>>launch in any case.
>>
>>>Just thought I'd let you know. I suspect other

>>
>>similar events would have
>>
>>>similar requirments.
>>>
>>>
>>>--
>>>Stephanie
>>>
>>>*********************************
>>>
>>>Learn from the mistakes of others. You can't live
>>
>>long enough to make
>>
>>>them all yourself!
>>>
>>>*********************************
>>>
>>>"They that can give up essential liberty to obtain
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>>>safety deserve neither liberty nor safety."
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>>>"Those who desire to give up freedom in order to
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>>> 1743-1826
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>>>business. By using the link below we both will
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>>receive a $5 sign up bonus.
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>>>https://www.paypal.com/refer/pal=kc7dba%40arrl.net
>>>
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>

--
Stephanie

****

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them all yourself!

****

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3333. Re: [tvnsp] Fund Raising Activity

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-01 03:15:58 UTC
From: John Knapp
Topic: 3325 Message: 3333

In past years we did fairly good. Last year was poor,
I don't think the club will do it again in the near
future. They are talking about setting up on Highway
55 just north of Horsehoe Bend this year sometime.

JohnK
--- Stephanie Steele <stephanie@...> wrote:
> TVRA does one at this same rest stop and makes 3-500
> each Thanksgiving.
> The key to success is the weekend you pick.
> Tradionally, Memorial Day,
> 4th of July, and Thanksgiving are the best.
>
> Stephanie
>
>
> John Knapp wrote:
> > The last one we did was at Labor Day. We barely
> broke
> > even for whatever reason. We were at the rest stop
> > just inside the Idaho border. If you want to do
> that
> > type of money raising activity you need to sign up
> > early in the year for a rest stop location. There
> are
> > other options possible also. A lot of thought and
> > commitment would need to go into this.
> >
> > JohnK
> > KD7HGS
> > --- verhap@... wrote:
> >
> >>The Snake River club operated a coffee and cookie
> >>stand at a rest
> >>stop. Perhaps one of the Johns know more. Could
> we
> >>do that and
> >>much did the club make?
> >>
> >>We'd have a heck of a display!
> >>
> >>Paul
> >>
> >>
> >>>Hi,

> >>>
> >>>I looked into what was involved in our group
> doing
> >>
> >>a fund raiser at the
> >>
> >>>Fruitland Family Fun Day and the only requirement
> >>
> >>is a $20 registration
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> >>>fee. I think this may conflict with the September
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> >>launch in any case.
> >>
> >>>Just thought I'd let you know. I suspect other
> >>
> >>similar events would have
> >>
> >>>similar requirments.
> >>>
> >>>
> >>>--
> >>>Stephanie
> >>>
> >>>**********
> >>>
> >>>Learn from the mistakes of others. You can't live
> >>
> >>long enough to make
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> >>>them all yourself!
> >>>
> >>>**********
> >>>
> >>>"They that can give up essential liberty to
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> >>>safety deserve neither liberty nor safety."
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> >>>
> >>>President Thomas Jefferson.
> >>> 1743-1826
> >>>
> >>>**********
> >>>
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>
>>>https://www.paypal.com/refer/pal=kc7dba%40arrl.net
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>
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> Stephanie
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3334. Re: [tvnsp] Aug 3 Flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-01 03:17:26 UTC
From: John Knapp
Topic: 3331 Message: 3334

Since I wasn't at the last launch, could you tell me
how to get to Bully Creek, not just Lat/Long but where
is it?

JohnK
--- Jeff Melanson <kd7inn@...> wrote:
> TVNSP,
>
> Todays prediction with forcasted data puts the
> landing site
> about 7 or 8 miles NE of Weiser if launched from
> Bully Creek
> Campground.
>
> Jeff
> KD7INN
>

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3335. Re: [tvnsp] Aug 3 Flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-01 21:47:54 UTC
From: Stephanie Steele
Topic: 3331 Message: 3335

This area is mostly open range so access should not be an issue. There is an abandoned railroad right of way and roads through the area. Might want a 4-wheeler along for quick access cross country where there are no roads.

Stephanie

Jeff Melanson wrote:
> TVNSP,
>
> Todays prediction with forcasted data puts the landing site
> about 7 or 8 miles NE of Weiser if launched from Bully Creek
> Campground.
>
> Jeff
> KD7INN
>
>
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>
>
>
>

--
Stephanie

****

Friends are quiet angels who lift us to our feet when our wings have trouble remembering how to fly.

****

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Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not have, nor do they deserve, either one."

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3336. Flight number?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-02 02:35:54 UTC
From: Jeff Melanson
Topic: 3336 Message: 3336

TVNSP,

Anybody remember what the current flight number is? I think
it's TV02D. Is that right?

Jeff
KD7INN

3337. Pre-flight rendezvous

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-02 06:42:25 UTC
From: K7JPS - John
Topic: 3337 Message: 3337

I have not heard anything about a preflight meeting. Was last weeks meeting used for this? What are the plans for a rendezvous?

John Stone
K7JPS

3338. Re: Flight number?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-02 07:08:27 UTC
From: n1ltv
Topic: 3336 Message: 3338

> Anybody remember what the current flight number is? I think
> it's TV02D. Is that right?

2B is below, so if GPSL was 2C, Saturday's would be 2D.

Jeff, I hope you can get all the vital stuff people need
to get set for Saturday posted not too late on Friday to
the list.

A launch time and callsign are what I'm looking for, but
it's too late for HABLIC already.

Hank

Treasure Valley Near Space Project (TVNSP) will launch
flight TV02B.

Flight Specifications:

Launch date and time: Saturday, May 25, 2002 at 0630 MST (1230 UTC)
Launch site: Bully Creek Campground NW of Vale, OR N 44.03 W 117.41

3339. Re: [tvnsp] Pre-flight rendezvous

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-02 12:33:00 UTC
From: Jeff Melanson
Topic: 3337 Message: 3339

TVNSP,

The launch will be from Bully Creek Campground. Originally
we planned on meeting at someone's house to get the final
prediction with current data but that's not working out. I'm
changing the launch time from 10 am to 10:30 am so that I
have enough time to get the final prediction before driving
out. There is no prelaunch meeting.

Flight number is TV02D
Launch is 10:30 am
Launch site is Bully creek Campground
APRS is 144.39
Repeater is 147.27
Simplex is 146.52

Can someone post directions to Bully Creek Campground? John
Knapp has not been there before.

K7JPS - John wrote:
>
> I have not heard anything about a preflight meeting. Was last weeks meeting
> used for this? What are the plans for a rendezvous?
>
> John Stone
> K7JPS
>
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3340. Re: [tvnsp] Re: Flight number?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-02 12:35:46 UTC
From: Jeff Melanson
Topic: 3336 Message: 3340

Hi Hank,

I sent some information last night. I used your hotmail
account.

Flight number is TV02D
Call sign is KD7INN-11
Launch is 10:30 am
Launch site is Bully creek Campground
APRS is 144.39
Repeater is 147.27
Simplex is 146.52

Jeff

n1ltv wrote:
>
>
> A launch time and callsign are what I'm looking for, but
> it's too late for HABLIC already.
>
> Hank
> ------------
>
> Treasure Valley Near Space Project (TVNSP) will launch
> flight TV02B.
>
> Flight Specifications:
>
> Launch date and time: Saturday, May 25, 2002 at 0630 MST (1230 UTC)
> Launch site: Bully Creek Campground NW of Vale, OR N 44.03 W 117.41
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3341. Re: [tvnsp] Pre-flight rendezvous

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-02 13:54:44 UTC
From: John Knapp
Topic: 3337 Message: 3341

Okay, I will have to ask this again since no one
replied to my request earlier. Where is Bully Creek
campground and how do I get there. Directions please.

Thanks
JohnK
--- Jeff Melanson <kd7inn@...> wrote:
> TVNSP,
>
> The launch will be from Bully Creek Campground.
> Originally
> we planned on meeting at someone's house to get the
> final
> prediction with current data but that's not working
> out. I'm
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> K7JPS - John wrote:
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> > John Stone
> > K7JPS
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3342. Re: [tvnsp] Pre-flight rendezvous

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-02 14:21:57 UTC
From: Stephanie Steele
Topic: 3337 Message: 3342

Hi John,

Get off in Ontario and go through Ontario on 20/26 to Vale. Go through Vale and as you exit town take the fork to the right which heads northwest. I believe it is marked for Bully Creek. Go out this highway several miles until you see the sign pointing to the right for Bully Creek. The road only goes right and will take you directly to the campground.

Stephanie

John Knapp wrote:
> Okay, I will have to ask this again since no one
> replied to my request earlier. Where is Bully Creek
> campground and how do I get there. Directions please.
>
> Thanks
> JohnK
> --- Jeff Melanson <kd7inn@...> wrote:
>
>>TVNSP,
>>
>>The launch will be from Bully Creek Campground.
>>Originally
>>we planned on meeting at someone's house to get the
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>>prediction with current data but that's not working
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>>Knapp has not been there before.
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>>K7JPS - John wrote:

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>

--
Stephanie

****

Friends are quiet angels who lift us to our feet when our wings have
trouble remembering how to fly.

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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it and highly recommend it as a safe and reliable means to conduct
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3343. Re: [tvnsp] Pre-flight rendezvous

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-02 14:23:59 UTC
From: Stephanie Steele
Topic: 3337 Message: 3343

Hi Jeff & Group,

I totally spaced that this was not a 'crack-o-dawn' launch. If Randy is not available and you would like to stop by my place at 9am, I will stay up and meet with you then to get you the late data. Let me know if you need directions Jeff.

Stephanie

Jeff Melanson wrote:
> TVNSP,
>
> The launch will be from Bully Creek Campground. Originally
> we planned on meeting at someone's house to get the final
> prediction with current data but that's not working out. I'm
> changing the launch time from 10 am to 10:30 am so that I
> have enough time to get the final prediction before driving
> out. There is no prelaunch meeting.
>
> Flight number is TV02D
> Launch is 10:30 am
> Launch site is Bully creek Campground
> APRS is 144.39
> Repeater is 147.27
> Simplex is 146.52
>
> Can someone post directions to Bully Creek Campground? John
> Knapp has not been there before.
>
> K7JPS - John wrote:
>
>>I have not heard anything about a preflight meeting. Was last weeks meeting
>>used for this? What are the plans for a rendezvous?
>>
>>John Stone
>>K7JPS
>>
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3344. Re: [tvnsp] Pre-flight rendezvous

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-02 14:25:51 UTC
From: Stephanie Steele
Topic: 3337 Message: 3344

What repeater is this?

TVRA's repeaters that cover that area is 147.12 or 147.100

Stephanie

Jeff Melanson wrote:
> TVNSP,
>
> The launch will be from Bully Creek Campground. Originally
> we planned on meeting at someone's house to get the final
> prediction with current data but that's not working out. I'm
> changing the launch time from 10 am to 10:30 am so that I
> have enough time to get the final prediction before driving
> out. There is no prelaunch meeting.
>
> Flight number is TV02D
> Launch is 10:30 am
> Launch site is Bully creek Campground
> APRS is 144.39
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> Simplex is 146.52
>
> Can someone post directions to Bully Creek Campground? John
> Knapp has not been there before.
>
> K7JPS - John wrote:
>
>>I have not heard anything about a preflight meeting. Was last weeks meeting
>>used for this? What are the plans for a rendezvous?
>>
>>John Stone
>>K7JPS
>>
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>
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>
>
>

--
Stephanie

****

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****

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Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

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3345. Re: [tvnsp] Pre-flight rendezvous

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-02 14:48:42 UTC
From: Harry M
Topic: 3337 Message: 3345
Attachments: 1 described; binary payloads are missing from this source WARC

I've attached a Street Atlas map with the coordinates.

Harry
KC5tRB

> Okay, I will have to ask this again since no one
> replied to my request earlier. Where is Bully Creek
> campground and how do I get there. Directions please.
>

3346. Re: [tvnsp] Pre-flight rendezvous

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-02 15:01:23 UTC
From: John Knapp
Topic: 3337 Message: 3346

Thanks Stephanie and Randy (seperate email).

JohnK
--- Stephanie Steele <stephanie@...> wrote:
> Hi John,
>
> Get off in Ontario and go through Ontario on 20/26
> to Vale. Go through
> Vale and as you exit town take the fork to the right
> which heads
> northwest. I believe it is marked for Bully Creek.
> Go out this highway
> several miles until you see the sign pointing to the
> right for Bully
> Creek. The road only goes right and will take you
> directly to the
> campground.
>
> Stephanie
>
>
>
> John Knapp wrote:
> > Okay, I will have to ask this again since no one
> > replied to my request earlier. Where is Bully
> Creek
> > campground and how do I get there. Directions
> please.
> >
> > Thanks
> > JohnK
> > --- Jeff Melanson <kd7inn@...> wrote:
> >
> >>TVNSP,
> >>
> >>The launch will be from Bully Creek Campground.
> >>Originally
> >>we planned on meeting at someone's house to get
> the
> >>final
> >>prediction with current data but that's not
> working
> >>out. I'm
> >>changing the launch time from 10 am to 10:30 am so
> >>that I

> >>have enough time to get the final prediction
> before
> >>driving
> >>out. There is no prelaunch meeting.
> >>
> >>Flight number is TV02D
> >>Launch is 10:30 am
> >>Launch site is Bully creek Campground
> >>APRS is 144.39
> >>Repeater is 147.27
> >>Simplex is 146.52
> >>
> >>Can someone post directions to Bully Creek
> >>Campground? John
> >>Knapp has not been there before.
> >>
> >>K7JPS - John wrote:
> >>
> >>>I have not heard anything about a preflight
> >>
> >>meeting. Was last weeks meeting
> >>
> >>>used for this? What are the plans for a
> >>
> >>rendezvous?
> >>
> >>>John Stone
> >>>K7JPS
> >>>
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> >>>
> >>>
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> > _____
> > Do You Yahoo!?
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>
> --
> Stephanie
>
> ********************************
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> trouble remembering how to fly.
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> Benjamin Franklin (1706-1790), Letter to Josiah
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> "Those who desire to give up freedom in order to
> gain security will not
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http://autos.yahoo.com

3347. TVNSP radio coverage prediction

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-02 17:47:05 UTC
From: Ralph Wallio, W0RPK
Topic: 3347 Message: 3347
Attachments: 1 described; binary payloads are missing from this source WARC

I am making progress using Radio Mobile to take topographic terrain into account while predicting HAB coverage (see http://www.cplus.org/rmw/english1.html for the very capable and free Radio Mobile software). The attached map is a coverage prediction for your next TVNSP flight while at 68kft above your Bully Creek launch site. The system can predict coverage from higher altitudes if it will help.

For you folks flying over mountains, it is interesting to see coverage shadows from terrain blockage and coverage at significant distances when using high mountain vantage points. For example, there is a shadow area northwest of Salt Lake City but good coverage of vantage points in the Uinta Mountains to the southeast. Another example is poor coverage near Seattle-Tacoma but good coverage of vantage points in the Olympic Mountains to the northwest.

These predictions might be exciting for distant stations attempting to set HAB telemetry and QSO distance records.

TNX es 73 de Ralph Wallio, W0RPK
wallio@...
http://members.crosspaths.net/wallio
It is all done by smoke and mirrors

3348. repost of TVNSP 02D flight characteristics

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-02 18:31:10 UTC
From: n1ltv
Topic: 3348 Message: 3348

The max altitude will be attained in under an hour.

Jeff is intentionally managing this flight to be a
shorter duration, lower altitude, shorter chase distance
flight.

The payload and balloon are small and light, making for an
easier, quicker launch process.

Should be a lot of fun. Best of luck and try not to worry
about it Jeff. Your preparation has been good.

Hank

[from Jeff's earlier message]

The capsule weighs 2.3 pounds, the balloon is a 200 gm
Kaymont, positive lift will be 2 pounds, ascent rate is 1000
fpm, descent rate is 1400 fpm, burst is 47,000 ft. The
descent rate was obtained from the Spectrachutes website by
estimating the 24" parachute performance for the 2.3 pound
payload landing at an altitude of about 2500 ft.

3349. Re: Flight number?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-02 18:34:57 UTC
From: n1ltv
Topic: 3336 Message: 3349

> I sent some information last night. I used your hotmail
> account.

Thank you. The important thing was to get it here on list.

Hank

3350. Nice weather for Saturday launch -- on the warm side

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-02 18:57:49 UTC
From: Hank Riley
Topic: 3350 Message: 3350

LOWER TREASURE VALLEY-OREGON LOWER TREASURE VALLEY-...UPDATED
915 AM MDT FRI AUG 2 2002

.TODAY...MOSTLY SUNNY. HIGHS 85 TO 90. NORTHWEST WINDS 15 MPH.
.TONIGHT...CLEAR. LOWS 50 TO 55. NORTHWEST WINDS AROUND 10 MPH.
.SATURDAY...PARTLY CLOUDY. HIGHS 90 TO 95. LIGHT WINDS.

_____
Do You Yahoo!?
Yahoo! Health - Feel better, live better
http://health.yahoo.com

3351. [Fwd: Pre Launch Perdictions]

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-02 18:58:29 UTC
From: Jeff Melanson
Topic: 3351 Message: 3351

Hi Randy,

Meeting at your house would be great. Let's committ to the 8:30 to 9 am timeframe to meet there. We'll get the final predictions and then proceed to the launch site. The idea of this flight is to test our prediction skills using both Liftwin and Balloon Track. It would be nice to hear from everyone to make sure you know when and where we are meeting and to confirm who is coming.

Earlier I suggested using the 147.24 VOI repeater but perhaps TVRA's would be better.

Stephanie wrote:

> TVRA's repeaters that cover that area is 147.12 or 147.100

I don't know the coverages of these repeaters so someone who knows please let us know what is best for our flight path.

I hope you guys are practicing your predictions. I'll run a prediction a little later and post it. Let's compare results.

Jeff

Randy wrote:
-I replied to the group,Jeff and Stephanie,but it did not make it to Yahoo i guess. Did not have my work account set up with Yahoo. Working on it now. Only Jeff got the below reply. Jeff Sorry for late reply,i did not check my mail last night.
Too much garden this year taking my time.
I would be glad to have the group stop by and use my computer
for final wiind data. Would 8:30 or 9:00 ish be early enough. My wife will be getting
ready for work,so she will be kinda reluctant to have people

stomping around our small house while she is getting ready. I live at 1405 NW 17th st. or just look for my call on the map coming this way. 1 If you come in on the freeway, take the Payette exit and cross the bridge by Wal Mart.
2 Take the first Left after crossing the bridge.
3 Then take the very first left onto N17 th street.
4 I live in the second house from the corner on the right side of road.

5 There is large open lot in front of house for parking. I am only about 60 minutes (28 Miles) from Bully Creek from my house.
Following directions for those that have not been there fefore. 1 We go through Ontario OR and head for Vale,OR. from the Cairo Jct. intersection.
2 Go all the way through Vale and take Grahm Blvd. There is a sign that says "Bully Creek" and head straight west till you come to Bully Creek Rd.
3 Follow the Bully Creek Rd heading NW until you see the reservoir and take the first left
into the camping area.

3352. TV02D Help?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-02 19:02:20 UTC
From: bherrman@spro.net
Topic: 3352 Message: 3352

Any Boise area support needed for TV02D?

I'll be tied up in a PAL Soccer Coach meeting and won't be freed up till approximately 1430 local time, so I can't do anything that requires me around...

However, I could set up my home station to either be a backup I-Gate for Stephanie's -or- just to log data.

Good Luck on the launch - I'll look forward to hearing the results. I'm especially interested in how the small capsule
works.

Bill
KD7MJC

3353. Re: [tvnsp] Pre-flight rendezvous

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-02 19:04:11 UTC
From: Jeff Melanson
Topic: 3337 Message: 3353

Stephanie,

Thanks for the offer. Randy has become available. It sounds
like you are just coming off of a late shift and will need
to get some sleep.

Jeff
KD7INN

Stephanie Steele wrote:
>
> Hi Jeff & Group,
>
> I totally spaced that this was not a 'crack-o-dawn' launch. If Randy is
> not available and you would like to stop by my place at 9am, I will stay
> up and meet with you then to get you the late data. Let me know if you
> need directions Jeff.
>
> Stephanie
>
> Jeff Melanson wrote:
> > TVNSP,
> >
> > The launch will be from Bully Creek Campground. Originally
> > we planned on meeting at someone's house to get the final
> > prediction with current data but that's not working out. I'm
> > changing the launch time from 10 am to 10:30 am so that I
> > have enough time to get the final prediction before driving
> > out. There is no prelaunch meeting.
> >
> > Flight number is TV02D
> > Launch is 10:30 am
> > Launch site is Bully creek Campground
> > APRS is 144.39
> > Repeater is 147.27
> > Simplex is 146.52
> >
> > Can someone post directions to Bully Creek Campground? John
> > Knapp has not been there before.
> >
> > K7JPS - John wrote:
> >
> >>I have not heard anything about a preflight meeting. Was last weeks meeting
> >>used for this? What are the plans for a rendezvous?
> >>
> >>John Stone

> >>K7JPS
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3354. Re: [tvnsp] [Fwd: Pre Launch Perdictions]

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-02 19:23:06 UTC
From: Randy Farley
Topic: 3351 Message: 3354

Jeff

I just remembered,i only have Balloon Track 1.72 at home.
Cannot get the latest one (1.77) to work for some reason. Keeps asking
for a mapPointControl.ocx file for some reason. I have not had time
to ask for help from the author yet. Hope the 1.72 version is sufficient?

Funny it works fine here at work running Win 2000 professional but not
on my Win 95 machines. There is the .ocx file in the system folder on
2000,but not 95. Another reason to upgrade OS's i guess.

Rats, !#@!! more money required just to play with ham type toys ;-(

I do have Hank's latest Liftwin .03 loaded at home and Latptop.

regards

Randy Farley

>>> kd7inn@... 08/02/02 12:58PM >>>
Hi Randy,

Meeting at your house would be great. Let's committ to the
8:30 to 9 am timeframe to meet there. We'll get the final
predictions and then proceed to the launch site. The idea of
this flight is to test our prediction skills using both
Liftwin and Balloon Track. It would be nice to hear from
everyone to make sure you know when and where we are meeting
and to confirm who is coming.

Earlier I suggested using the 147.24 VOI repeater but
perhaps TVRA's would be better.

Stephanie wrote:

> TVRA's repeaters that cover that area is 147.12 or 147.100

I don't know the coverages of these repeaters so someone who
knows please let us know what is best for our flight path.

I hope you guys are practicing your predictions. I'll run a
prediction a little later and post it. Let's compare
results.

Jeff

Randy wrote:
-I replied to the group,Jeff and Stephanie,but it did not
make it to Yahoo i guess. Did not have my work account set

up with Yahoo. Working on it now. Only Jeff got the below
reply. Jeff Sorry for late reply,i did not check my mail
last night.
Too much garden this year taking my time.
I would be glad to have the group stop by and use my
computer
for final wiind data. Would 8:30 or 9:00 ish be early
enough. My wife will be getting
ready for work,so she will be kinda reluctant to have people

stomping around our small house while she is getting
ready. I live at 1405 NW 17th st. or just look for my call
on the map coming this way. 1 If you come in on the freeway,
take the Payette exit and cross the bridge by Wal Mart.
2 Take the first Left after crossing the bridge.
3 Then take the very first left onto N17 th street.
4 I live in the second house from the corner on the right
side of road.
5 There is large open lot in front of house for parking. I
am only about 60 minutes (28 Miles) from Bully Creek from my
house.
Following directions for those that have not been there
fefore. 1 We go through Ontario OR and head for Vale,OR.
from the Cairo Jct. intersection.
2 Go all the way through Vale and take Grahm Blvd. There is
a sign that says "Bully Creek" and head straight west till
you come to Bully Creek Rd.
3 Follow the Bully Creek Rd heading NW until you see the
reservoir and take the first left
into the camping area.

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3355. Re: [tvnsp] TV02D Help?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-02 19:23:50 UTC
From: Jeff Melanson
Topic: 3352 Message: 3355

Hi Bill,

Logging the data would be a good idea. We want to be able to
compare the actual flight path to the predicted flight path.
I don't know about the I-gate. That's not my field of
expertise. Stephanie?

Jeff
KD7INN

bherrman@... wrote:
>
> Any Boise area support needed for TV02D?
>
> I'll be tied up in a PAL Soccer Coach meeting and won't be freed up
> till approximately 1430 local time, so I can't do anything that
> requires me around...
>
> However, I could set up my home station to either be a backup I-Gate
> for Stephanie's -or- just to log data.
>
> Good Luck on the launch - I'll look forward to hearing the results. I'm
> especially interested in how the small capsule
> works.
>
> Bill
> KD7MJC
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3356. Re: [tvnsp] TVNSP radio coverage prediction

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-02 19:26:23 UTC
From: Jeff Melanson
Topic: 3347 Message: 3356

Hi Ralph,

The max altitude is expected to be about 47000 ft.

Jeff
KD7INN

"Ralph Wallio, W0RPK" wrote:
> I am making progress using Radio Mobile to take topographic terrain into
> account while predicting HAB coverage (see
> http://www.cplus.org/rmw/english1.html for the very capable and free Radio
> Mobile software). The attached map is a coverage prediction for your next
> TVNSP flight while at 68kft above your Bully Creek launch site. The system
> can predict coverage from higher altitudes if it will help.
>
> For you folks flying over mountains, it is interesting to see coverage
> shadows from terrain blockage and coverage at significant distances when
> using high mountain vantage points. For example, there is a shadow area
> northwest of Salt Lake City but good coverage of vantage points in the Uinta
> Mountains to the southeast. Another example is poor coverage near
> Seattle-Tacoma but good coverage of vantage points in the Olympic Mountains
> to the northwest.
>
> These predictions might be exciting for distant stations attempting to set
> HAB telemetry and QSO distance records.
>
> TNX es 73 de Ralph Wallio, W0RPK
> wallio@...
> http://members.crosspaths.net/wallio
> It is all done by smoke and mirrors
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
> --
> Name: TVNSPbc.gif
> TVNSPbc.gif Type: GIF Image (image/gif)
> Encoding: base64

3357. Re: [tvnsp] TV02D Help?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-02 19:26:49 UTC
From: Randy Farley
Topic: 3352 Message: 3357

Bill

Always nice to have redundant logging. Moral support is always nice too
Good luck being a soccer dad. Most important thing to be around for the kids.

regards

Randy Farley

>>> bherrman@... 08/02/02 01:02PM >>>
Any Boise area support needed for TV02D?

I'll be tied up in a PAL Soccer Coach meeting and won't be freed up
till approximately 1430 local time, so I can't do anything that
requires me around...

However, I could set up my home station to either be a backup I-Gate
for Stephanie's -or- just to log data.

Good Luck on the launch - I'll look forward to hearing the results. I'm
especially interested in how the small capsule
works.

Bill
KD7MJC

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3358. Subject: Re: Prelaunch predictions.]

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-02 19:05:26 UTC
From: Randy Farley
Topic: 3358 Message: 3358

Jeff

Sorry for late reply,i did not check my mail last night.
Too much garden this year taking my time.
I would be glad to have the group stop by and use my computer
for final wiind data.

Would 8:30 or 9:00 ish be early enough. My wife will be getting
ready for work,so she will be kinda reluctant to have people
stomping around our small house while she is getting ready.

I live at 1405 NW 17th st. or just look for my call on the map coming this way.

1 If you come in on the freeway, take the Payette exit and cross the bridge by Wal Mart.
2 Take the first Left after crossing the bridge.
3 Then take the very first left onto N17 th street.
4 I live in the second house from the corner on the right side of road.
5 There is large open lot in front of house for parking.

I am only about 60 minutes (28 Miles) from Bully Creek from my house.
Following directions for those that have not been there fefore.

1 We go through Ontario OR and head for Vale,OR. from the Cairo Jct. intersection.
2 Go all the way through Vale and take Grahm Blvd. There is
a sign that says "Bully Creek" and head straight west till you come to Bully Creek Rd.
3 Follow the Bully Creek Rd heading NW until you see the reservoir and take the first left
into the camping area.

Hi Randy and Stephanie,

The plan is to meet at someone's house at 9 am if possible
to get the final flight prediction then proceed to the
launch site for a 10 am flight. It looks like it's
definitely going to be Bully Creek Campground for the
launch. The prediction puts the landing site 8 miles further
out than I wanted. If we change the free lift from 2 lbs to
3 lbs that changes the max altitude to 41,000 ft and brings
the landing point closer to Weiser. Do either of you want a
few people over for prelaunch predictions?

Jeff

regards

Randy D. Farley
R&D Technician
Woodgrain Millwork,inc.

3359. Re: [tvnsp] [Fwd: Pre Launch Perdictions]

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-02 19:28:09 UTC
From: Jeff Melanson
Topic: 3351 Message: 3359

Randy,

It should work fine. I'll also have my laptop with the
latest software.

Jeff
KD7INN

3360. All Balltrack versions okay

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-02 19:34:38 UTC
From: Hank Riley
Topic: 3351 Message: 3360

>Hope the 1.72 version is sufficient?

More than enough. I just used 1.71.

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3361. Posting predictions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-02 19:54:16 UTC
From: n1ltv
Topic: 3351 Message: 3361

> I hope you guys are practicing your predictions. I'll run a
> prediction a little later and post it. Let's compare
> results.

I just did one but I won't post it until I see the ones
from earlier this week so I know I've not made a big mistake.

A suggestion is that people should either agree on their
Balloontrack variables or post them together with each of
their predictions.

Here's what I used. The launch altitude is just a guess and
can be refined if someone gives me a better number. Not too
important anyway; affects the time aloft though.

BT version 1.71

Balloon variables: 1000 up 1400 down 47k peak

Site variables: Launch alt. 2500 feet Landing alt. 2500 feet

WX variables: ETA model Location BOI Time +15 UTC Saturday

Hank

3362. Re: [tvnsp] [Fwd: Pre Launch Perdictions]

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-02 20:02:03 UTC
From: Randy Farley
Topic: 3351 Message: 3362

The 147.120 or 147.100 TVRA repeaters do not work real well from Bully Creek for marginal radios until we get back on the road to Vale. The 147.240 works better, if i remember correctly. If neither work well while in the Bully Creek basin, we could use W7PAG's repeater (146.720- 100 Hz tone) on Cotton Wood Mtn, just NW of the launch site. We are welcome to try them all
and choose the best ones to fit our needs. Repeater chatter is pretty boring during the summer, so any balloon traffic we create would make for interesting listening for the armchair hams ;-)

Also my 4-wheeler with tracker is available if we need it for severe mountain or desert trail retrievals.

When you give your prediction results,please specify which data-set and time you use. I'm still not matching up to some of the earlier forecasts very well. I'm only in the right state so far (just kidding).
I think it is the times i get the data mostly.

Earlier I suggested using the 147.24 VOI repeater but
perhaps TVRA's would be better.

Stephanie wrote:

> TVRA's repeaters that cover that area is 147.12 or 147.100

I don't know the coverages of these repeaters so someone who
knows please let us know what is best for our flight path.

I hope you guys are practicing your predictions. I'll run a
prediction a little later and post it. Let's compare
results.

Jeff

Randy wrote:
-I replied to the group,Jeff and Stephanie,but it did not
make it to Yahoo i guess. Did not have my work account set
up with Yahoo. Working on it now. Only Jeff got the below
reply. Jeff Sorry for late reply,i did not check my mail
last night.
Too much garden this year taking my time.
I would be glad to have the group stop by and use my
computer
for final wiind data. Would 8:30 or 9:00 ish be early
enough. My wife will be getting
ready for work,so she will be kinda reluctant to have people

stomping around our small house while she is getting
ready. I live at 1405 NW 17th st. or just look for my call
on the map coming this way. 1 If you come in on the freeway,
take the Payette exit and cross the bridge by Wal Mart.
2 Take the first Left after crossing the bridge.
3 Then take the very first left onto N17 th street.
4 I live in the second house from the corner on the right
side of road.
5 There is large open lot in front of house for parking. I
am only about 60 minutes (28 Miles) from Bully Creek from my
house.
Following directions for those that have not been there
fefore. 1 We go through Ontario OR and head for Vale,OR.
from the Cairo Jct. intersection.
2 Go all the way through Vale and take Grahm Blvd. There is
a sign that says "Bully Creek" and head straight west till
you come to Bully Creek Rd.
3 Follow the Bully Creek Rd heading NW until you see the
reservoir and take the first left
into the camping area.

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regards

Randy Farley

3363. Re: [tvnsp] Posting predictions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-02 20:02:51 UTC
From: Jeff Melanson
Topic: 3351 Message: 3363

Hi Hank,

Bully Creek Campground is 3150 ft. I'm not sure what the
Weiser area landing site altitude is but I've been using
3000.

n1ltv wrote:
>
> > I hope you guys are practicing your predictions. I'll run a
> > prediction a little later and post it. Let's compare
> > results.
>
> I just did one but I won't post it until I see the ones
> from earlier this week so I know I've not made a big mistake.
>
> A suggestion is that people should either agree on their
> Balloontrack variables or post them together with each of
> their predictions.
>
> Here's what I used. The launch altitude is just a guess and
> can be refined if someone gives me a better number. Not too
> important anyway; affects the time aloft though.
>
> ---
> BT version 1.71
>
> Balloon variables: 1000 up 1400 down 47k peak
>
> Site variables: Launch alt. 2500 feet Landing alt. 2500 feet
>
> WX variables: ETA model Location BOI Time +15 UTC Saturday
> ---
>
> Hank
>
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3364. Re: [tvnsp] [Fwd: Pre Launch Perdictions]

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-02 20:08:58 UTC
From: Jeff Melanson
Topic: 3351 Message: 3364

Hi Randy,

Stephanie indicated that a 4 wheeler would be a good idea.
It may make retreival easier depending on where it lands.
Part of the area has limited acces by roads. Let's plan on
it.

Jeff
KD7INN

3365. ETA prediction for 02D

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-02 20:11:11 UTC
From: Hank Riley
Topic: 3365 Message: 3365

I'm getting 58 degrees, 41 miles. Midvale?

This is up considerably from earlier in the week if that's
right. Predictions 24-48 hours ahead are what count.

Try to think about what would happen if the balloon
went short or long. The predictions are rough estimates
EVEN for the day of launch winds!

Perish the thought, but think about what you'd do
if you had a signal but flaky or no GPS. If you have
DF stuff, bring it along. Better to have it and not
need it, then need it and not have it.

Same goes for good road, topo, or whatever other maps
you might have.

Hank

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http://health.yahoo.com

3366. Re: ETA prediction for 02D

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-02 20:33:26 UTC
From: n1ltv
Topic: 3365 Message: 3366

> I'm getting 58 degrees, 41 miles. Midvale?

Sounds like it might take a few minutes to get out of
the campground area and on to the bigger roads leading
north.

This balloon will be down in about an hour, so is there
any thought to trying to have someone downwind at least
a little way to have a headstart? Maybe Weiser?

I know there are not throngs of people in the crew,
but just trying to think of possibilities before real
crunch time. The upper winds are a little stiff Saturday
so the balloon will be cranking at the higher altitudes.

Hank

3367. Re: [tvnsp] Posting predictions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-02 20:34:48 UTC
From: Randy Farley
Topic: 3351 Message: 3367

MY results calculated at 2:30 MST

Winds Data File
Station: UNK
Date: 0000Z 03 08 2002
Records: 22
Corrupt Records: 0
Launch Site: Bully Creek,OR 44.0186 lat/-117.3932 lon
Ascent Rate: 1000 fpm
Descent Rate: 1200 fpm
Altitude: 3150

Predicted Landing Site: 44.2921 lat/-116.5875 lon
Altitude: 2190 ft
Flight Time: 73 min.
Bearing: 64.4 deg.
Range: 44.2 mi.

Let me know what i am doing right or wrong.

>>> kd7inn@...t 08/02/02 02:02PM >>>
Hi Hank,

Bully Creek Campground is 3150 ft. I'm not sure what the
Weiser area landing site altitude is but I've been using
3000.

n1ltv wrote:
>
> > I hope you guys are practicing your predictions. I'll run a
> > prediction a little later and post it. Let's compare
> > results.
>
> I just did one but I won't post it until I see the ones
> from earlier this week so I know I've not made a big mistake.
>
> A suggestion is that people should either agree on their
> Balloontrack variables or post them together with each of
> their predictions.
>
> Here's what I used. The launch altitude is just a guess and
> can be refined if someone gives me a better number. Not too
> important anyway; affects the time aloft though.
>
> ---
> BT version 1.71

>
> Balloon variables: 1000 up 1400 down 47k peak
>
> Site variables: Launch alt. 2500 feet Landing alt. 2500 feet
>
> WX variables: ETA model Location BOI Time +15 UTC Saturday
> ---
>
> Hank
>
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3368. Re: [tvnsp] ETA prediction for 02D

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-02 20:38:34 UTC
From: Jeff Melanson
Topic: 3365 Message: 3368

I'm also getting 58 degrees, 41 miles. I used the Eta model
15 UTC.
The range started out at 28 miles earlier in the week and
has been moving out and now is 41 miles. I'm not all that
excited about the landing location but it is a safe area.
If we were to change the free lift from 2 lbs to 3 lbs that
would change the the burst altitude to 41,000 ft. This would
result in a prediction of 60 degrees, 32.5 miles. That is
West of Weiser about 6 miles and on the North side of Weiser
Rd about 1-1/2 miles. This is a good spot.
This would change the initial diameter of the 200 gram
balloon from 5.3 ft to 5.6 ft. This doesn't seem to be to
big of a change. Of course the balloon skin gets a little
thinner and careful handling is required (as always). Since
we haven't worked with this setup before it will be an
experience for all of us.

Thoughts on this?

Jeff

Hank Riley wrote:
>
> I'm getting 58 degrees, 41 miles. Midvale?
>
> This is up considerably from earlier in the week if that's
> right. Predictions 24-48 hours ahead are what count.
>
> Try to think about what would happen if the balloon
> went short or long. The predictions are rough estimates
> EVEN for the day of launch winds!
>
> Perish the thought, but think about what you'd do
> if you had a signal but flaky or no GPS. If you have
> DF stuff, bring it along. Better to have it and not
> need it, then need it and not have it.
>
> Same goes for good road, topo, or whatever other maps
> you might have.
>
> Hank
>
> _____
> Do You Yahoo!?
> Yahoo! Health - Feel better, live better
> http://health.yahoo.com

>
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3369. Re: [tvnsp] Re: ETA prediction for 02D

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-02 20:42:00 UTC
From: Jeff Melanson
Topic: 3365 Message: 3369

Hi Hank,

Yes. When we meet at Randy's house we will see who wants to
go ahead of the rest of the group. If fact if we can get a
picture of the capsule coming down on the parachute
Spectrachutes will give us a 5% discount on the next
purchase.

Jeff
KD7INN

n1ltv wrote:
>
> > I'm getting 58 degrees, 41 miles. Midvale?
>
> Sounds like it might take a few minutes to get out of
> the campground area and on to the bigger roads leading
> north.
>
> This balloon will be down in about an hour, so is there
> any thought to trying to have someone downwind at least
> a little way to have a headstart? Maybe Weiser?
>
> I know there are not throngs of people in the crew,
> but just trying to think of possibilities before real
> crunch time. The upper winds are a little stiff Saturday
> so the balloon will be cranking at the higher altitudes.
>
> Hank
>
>
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3370. Re: [tvnsp] Posting predictions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-02 20:43:54 UTC
From: Jeff Melanson
Topic: 3351 Message: 3370

Randy,

This capsule will be coming down a little faster than our
others. Use 1400 ft/min for the descent rate.

Jeff
KD7INN

3371. Re: ETA prediction for 02D

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-02 20:58:37 UTC
From: n1ltv
Topic: 3365 Message: 3371

Jeff and crew,

I think your region is challenging, easier than parts of
New England, but very tricky. I wish I had knowledge
of your area including topography and road access.

> If we were to change the free lift from 2 lbs to 3 lbs that
> would change the the burst altitude to 41,000 ft. This would
> result in a prediction of 60 degrees, 32.5 miles. That is
> West of Weiser about 6 miles and on the North side of Weiser
> Rd about 1-1/2 miles. This is a good spot.

In theory. :) You might be lucky to land within 8 miles
of the predicted spot. See R. Wallio data for reference on
this. Okay to be that specific if you're just giving the
predicted spot as the center of a circle which will contain
the actual landing spot.

> This would change the initial diameter of the 200 gram
> balloon from 5.3 ft to 5.6 ft. This doesn't seem to be to
> big of a change. Of course the balloon skin gets a little
> thinner and careful handling is required (as always).

My thought on this is to proceed with a high degree of caution
on increasing the inflation any more than you already have at
5 feet. This is an area (small balloon inflated that big)
where ham groups haven't much experience.

If conditions were totally or nearly calm at the campground,
or wherever you eventually end up, you might be able to decide
to go for it then.

However, if things are not calm or if the balloon looks real
tight at 5 feet or less, then you might think no way should
you go any further.

My guess would be that 2 pounds, 5 feet is enough for a margin
of safety until we know more about these high inflation,
lower altitude flights. I think my own 200 gram was inflated to
about 3 feet, so I can only imagine what 5 feet will look
like.

You'll know tomorrow. Hope plenty of cameras will be
present and clicking for this one!

Hank

3372. Re: [tvnsp] Posting predictions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-02 21:03:24 UTC
From: Ralph Wallio, W0RPK
Topic: 3351 Message: 3372

Perhaps it is time for you folks to submit official predictions for the record book. See http://users.crosspaths.net/wallio/RECORDS.html (last category) for details.

-w0rpk

3373. Re: [tvnsp] Posting predictions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-02 21:12:51 UTC
From: Hank Riley
Topic: 3351 Message: 3373

> Station: UNK
> Descent Rate: 1200 fpm
> Landing Altitude: 2190 ft

> Let me know what i am doing right or wrong.

Well, maybe not wrong but inconsistent with what Jeff
and I are doing.

Station: BOI
Descent: 1400
Landing altitude: 3000

Not sure if just changing those would pull your results
in. Your winds may not be for the same time as 1500 UTC.

_____
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3374. Re: [tvnsp] Posting predictions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-02 21:15:41 UTC
From: Hank Riley
Topic: 3351 Message: 3374

> Perhaps it is time for you folks to submit official predictions
> for the record book.

Right now I think that's the least of the concerns. :)
Plenty of time overnight or even tomorrow morning for that.

How about explaining the radio coverage map color coding,
Ralph?

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http://health.yahoo.com

3375. Re: [tvnsp] TV02D Help?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-02 21:15:42 UTC
From: Stephanie Steele
Topic: 3352 Message: 3375

I-gate runs 24/7 -Windoze related lockups ;-)

Stephanie

Jeff Melanson wrote:
> Hi Bill,
>
> Logging the data would be a good idea. We want to be able to
> compare the actual flight path to the predicted flight path.
> I don't know about the I-gate. That's not my field of
> expertise. Stephanie?
>
> Jeff
> KD7INN
>
> bherrman@... wrote:
>
>>Any Boise area support needed for TV02D?
>>
>>I'll be tied up in a PAL Soccer Coach meeting and won't be freed up
>>till approximately 1430 local time, so I can't do anything that
>>requires me around...
>>
>>However, I could set up my home station to either be a backup I-Gate
>>for Stephanie's -or- just to log data.
>>
>>Good Luck on the launch - I'll look forward to hearing the results. I'm
>>especially interested in how the small capsule
>>works.
>>
>>Bill
>>KD7MJC
>>
>>
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>
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>
>
>

--
Stephanie

****

Friends are quiet angels who lift us to our feet when our wings have
trouble remembering how to fly.

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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3376. Re: [tvnsp] [Fwd: Pre Launch Perdictions]

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-02 21:19:46 UTC
From: Stephanie Steele
Topic: 3351 Message: 3376

The .24 would be great. I thought you listed a ".27" and that is what
prompted my earlier note.

Stephanie

Jeff Melanson wrote:
> Hi Randy,
>
> Meeting at your house would be great. Let's committ to the
> 8:30 to 9 am timeframe to meet there. We'll get the final
> predictions and then proceed to the launch site. The idea of
> this flight is to test our prediction skills using both
> Liftwin and Balloon Track. It would be nice to hear from
> everyone to make sure you know when and where we are meeting
> and to confirm who is coming.
>
> Earlier I suggested using the 147.24 VOI repeater but
> perhaps TVRA's would be better.
>
> Stephanie wrote:
>
>
>>TVRA's repeaters that cover that area is 147.12 or 147.100
>
>
> I don't know the coverages of these repeaters so someone who
> knows please let us know what is best for our flight path.
>
> I hope you guys are practicing your predictions. I'll run a
> prediction a little later and post it. Let's compare
> results.
>
> Jeff
>
>
> Randy wrote:
> -I replied to the group,Jeff and Stephanie,but it did not
> make it to Yahoo i guess. Did not have my work account set
> up with Yahoo. Working on it now. Only Jeff got the below
> reply. Jeff Sorry for late reply,i did not check my mail
> last night.
> Too much garden this year taking my time.
> I would be glad to have the group stop by and use my
> computer
> for final wiind data. Would 8:30 or 9:00 ish be early

> enough. My wife will be getting
> ready for work,so she will be kinda reluctant to have people
>
> stomping around our small house while she is getting
> ready. I live at 1405 NW 17th st. or just look for my call
> on the map coming this way. 1 If you come in on the freeway,
> take the Payette exit and cross the bridge by Wal Mart.
> 2 Take the first Left after crossing the bridge.
> 3 Then take the very first left onto N17 th street.
> 4 I live in the second house from the corner on the right
> side of road.
> 5 There is large open lot in front of house for parking. I
> am only about 60 minutes (28 Miles) from Bully Creek from my
> house.
> Following directions for those that have not been there
> fefore. 1 We go through Ontario OR and head for Vale,OR.
> from the Cairo Jct. intersection.
> 2 Go all the way through Vale and take Grahm Blvd. There is
> a sign that says "Bully Creek" and head straight west till
> you come to Bully Creek Rd.
> 3 Follow the Bully Creek Rd heading NW until you see the
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--
Stephanie

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trouble remembering how to fly.

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"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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3377. Re: [tvnsp] Pre-flight rendezvous

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-02 21:18:41 UTC
From: Stephanie Steele
Topic: 3337 Message: 3377

I saw another message where the flight duration will only be about 1
hour. Is this correct? Do you want me to standby downrange? If not, I'll
have my beams pointed at Weiser to capture the last position reports as
it desends.

Stephanie

Jeff Melanson wrote:
> Stephanie,
>
> Thanks for the offer. Randy has become available. It sounds
> like you are just coming off of a late shift and will need
> to get some sleep.
>
> Jeff
> KD7INN
>
> Stephanie Steele wrote:
>
>>Hi Jeff & Group,
>>
>>I totally spaced that this was not a 'crack-o-dawn' launch. If Randy is
>>not available and you would like to stop by my place at 9am, I will stay
>>up and meet with you then to get you the late data. Let me know if you
>>need directions Jeff.
>>
>>Stephanie
>>
>>Jeff Melanson wrote:
>>
>>>TVNSP,
>>>
>>>The launch will be from Bully Creek Campground. Originally
>>>we planned on meeting at someone's house to get the final
>>>prediction with current data but that's not working out. I'm
>>>changing the launch time from 10 am to 10:30 am so that I
>>>have enough time to get the final prediction before driving
>>>out. There is no prelaunch meeting.
>>>
>>>Flight number is TV02D
>>>Launch is 10:30 am
>>>Launch site is Bully creek Campground
>>>APRS is 144.39
>>>Repeater is 147.27
>>>Simplex is 146.52

>>>
>>>Can someone post directions to Bully Creek Campground? John
>>>Knapp has not been there before.
>>>
>>>K7JPS - John wrote:
>>>
>>>
>>>>I have not heard anything about a preflight meeting. Was last weeks meeting
>>>>used for this? What are the plans for a rendezvous?
>>>>
>>>>John Stone
>>>>K7JPS
>>>>
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>>>
>>>
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>>>
>>>
>>>
>>>
>>
>>--
>>Stephanie
>>
>>*********************************
>>
>>Friends are quiet angels who lift us to our feet when our wings have
>>trouble remembering how to fly.
>>
>>*********************************
>>
>>"They that can give up essential liberty to obtain a little temporary
>>safety deserve neither liberty nor safety."
>>
>>Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.
>>
>>"Those who desire to give up freedom in order to gain security will not
>>have, nor do they deserve, either one."

>>
>>President Thomas Jefferson.
>> 1743-1826
>>
>>**********
>>
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>>it and highly recommend it as a safe and reliable means to conduct
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>
>

--
Stephanie

****

Friends are quiet angels who lift us to our feet when our wings have
trouble remembering how to fly.

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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3378. Re: [tvnsp] Re: ETA prediction for 02D

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-02 21:37:47 UTC
From: n9xtn@cox.net
Topic: 3365 Message: 3378

NSTAR has launched two 350g balloons (one w/o payload, one with). Both were pretty highly inflated as they were intended to lift 10-11 lbs. No significant problems noted, but this was almost twice the balloon weight TVNSP is dealing with.

(the w/o payload flight was due to duct tape adhesive failure)

Shouldn't balloon thickness be inversely proportional to surface area (i.e., doubling the surface area should halve the thickness)? A 5-ft sphere has a surface area of 4*pi*(2.5^2) or about 79 ft^2. A 5.6-ft sphere is 98 ft^2. That's a 25% increase in surface area, or what should be a 25% decrease in thickness.

73 de Mark N9XTN

>> This would change the initial diameter of the 200 gram
>> balloon from 5.3 ft to 5.6 ft. This doesn't seem to be to
>> big of a change. Of course the balloon skin gets a little
>> thinner and careful handling is required (as always).

>My thought on this is to proceed with a high degree of caution
>on increasing the inflation any more than you already have at
>5 feet. This is an area (small balloon inflated that big)
>where ham groups haven't much experience.

>If conditions were totally or nearly calm at the campground,
>or wherever you eventually end up, you might be able to decide
>to go for it then.

>However, if things are not calm or if the balloon looks real
>tight at 5 feet or less, then you might think no way should
>you go any further.

>My guess would be that 2 pounds, 5 feet is enough for a margin
>of safety until we know more about these high inflation,
>lower altitude flights. I think my own 200 gram was inflated to
>about 3 feet, so I can only imagine what 5 feet will look
>like.

3379. Re: ETA prediction for 02D

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-02 21:52:22 UTC
From: n1ltv
Topic: 3365 Message: 3379

> NSTAR has launched two 350g balloons (one w/o payload, one with).
>Both were pretty highly inflated as they were intended to lift 10-11
>lbs. No significant problems noted, but this was almost twice the
>balloon weight TVNSP is dealing with.

Mark and everyone,

An index to relative degree of inflation for any size balloon
with any payload is the burst height. Jeff's is already lower
than any amateur flight I know of, including I'm pretty sure
your NSTAR 350 g. Although ten pounds is a lot. Was that 10-11
of payload or nozzle lift?

> Shouldn't balloon thickness be inversely proportional to
> surface area

Yes.

> (i.e., doubling the surface area should halve
> the thickness)? A 5-ft sphere has a surface area of
> about 79 ft^2. A 5.6-ft sphere is 98 ft^2. That's a 25%
> increase in surface area, or what should be a 25% decrease
> in thickness.

Now the relation between "delicateness" or suceptibility to
burst maybe be more than inversely proportional to thickness.

Ferinstance, reducing skin thickness 25% at some absolute
thickness may increase the delicateness 70%. And I'm pretty
sure that's highly nonlinear (eventually) or else there would
not be a point where the balloon will stretch no more and has to
break no matter how gently it's handled or with no handling
actually.

I have broken many big weather balloons on the ground (with
air) and they get very touchy.

Hank

3380. Re: ETA prediction for 02D

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-03 00:10:16 UTC
From: n1ltv
Topic: 3365 Message: 3380

>Was that 10-11 of payload or nozzle lift?

That should have been:

Was that 10-11 (pounds) of payload weight or nozzle lift?

3381. Re: [tvnsp] Re: ETA prediction for 02D

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-03 00:12:24 UTC
From: John Knapp
Topic: 3365 Message: 3381

Deb and I will volunteer to be down wind. I am on call
and have to stay in the valley in pager range. Even
going to Weiser may be pushing it a little but will do
that.

JohnK
KD7HGS
--- n1ltv <n1ltv@...> wrote:
> > I'm getting 58 degrees, 41 miles. Midvale?
>
> Sounds like it might take a few minutes to get out
> of
> the campground area and on to the bigger roads
> leading
> north.
>
> This balloon will be down in about an hour, so is
> there
> any thought to trying to have someone downwind at
> least
> a little way to have a headstart? Maybe Weiser?
>
> I know there are not throngs of people in the crew,
> but just trying to think of possibilities before
> real
> crunch time. The upper winds are a little stiff
> Saturday
> so the balloon will be cranking at the higher
> altitudes.
>
> Hank
>
>
>

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3382. Re: [tvnsp] Re: ETA prediction for 02D

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-03 00:16:31 UTC
From: Jeff Melanson
Topic: 3365 Message: 3382

Sounds good John, Do you have a camera?

Jeff

John Knapp wrote:
>
> Deb and I will volunteer to be down wind. I am on call
> and have to stay in the valley in pager range. Even
> going to Weiser may be pushing it a little but will do
> that.
>
> JohnK
> KD7HGS
> --- n1ltv <n1ltv@...> wrote:
> > > I'm getting 58 degrees, 41 miles. Midvale?
> > >
> > > Sounds like it might take a few minutes to get out
> > > of
> > > the campground area and on to the bigger roads
> > > leading
> > > north.
> > >
> > > This balloon will be down in about an hour, so is
> > > there
> > > any thought to trying to have someone downwind at
> > > least
> > > a little way to have a headstart? Maybe Weiser?
> > >
> > > I know there are not throngs of people in the crew,
> > > but just trying to think of possibilities before
> > > real
> > > crunch time. The upper winds are a little stiff
> > > Saturday
> > > so the balloon will be cranking at the higher
> > > altitudes.
> > >
> > > Hank
> > >
> > >
> > >
>
> _____
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3383. Re: [tvnsp] Re: ETA prediction for 02D

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-03 00:21:48 UTC
From: John Knapp
Topic: 3365 Message: 3383

Yes we do, both standard and digital.

JohnK
--- Jeff Melanson <kd7inn@...> wrote:
> Sounds good John, Do you have a camera?
>
> Jeff
>
> John Knapp wrote:
> >
> > Deb and I will volunteer to be down wind. I am on
> call
> > and have to stay in the valley in pager range.
> Even
> > going to Weiser may be pushing it a little but
> will do
> > that.
> >
> > JohnK
> > KD7HGS
> > --- n1ltv <n1ltv@...> wrote:
> > > > I'm getting 58 degrees, 41 miles. Midvale?
> > >
> > > Sounds like it might take a few minutes to get
> out
> > > of
> > > the campground area and on to the bigger roads
> > > leading
> > > north.
> > >
> > > This balloon will be down in about an hour, so
> is
> > > there
> > > any thought to trying to have someone downwind
> at
> > > least
> > > a little way to have a headstart? Maybe Weiser?
> > >
> > > I know there are not throngs of people in the
> crew,
> > > but just trying to think of possibilities before
> > > real
> > > crunch time. The upper winds are a little stiff
> > > Saturday
> > > so the balloon will be cranking at the higher

> > > altitudes.
> > >
> > > Hank
> > >
> > >
> > >
> >
> > _____
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3384. Meeting Times?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-03 00:22:30 UTC
From: kc7dpd@velocitus.net
Topic: 3365 Message: 3384

Group,

I take it we are meeting at Randy's house at 9am? I have read the
directions to Randy's house, shouldn't be too hard to find! I will be
listening to 147.240 in the morning.....with the helium onboard!
How many trackers do we have for the flight? I will have my gear there....

Mike KC7DPD

3385. Re: [tvnsp] Meeting Times?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-03 00:30:18 UTC
From: Jeff Melanson
Topic: 3365 Message: 3385

Hi Mike,

Yes, Randy's house it is. Since you have the gas you may
have to wait outside. :)
We will be on 147.240. I have a tracker, You have a tracker,
Randy has a tracker, John the younger has a tracker, I
believe John the elder has a tracker. Did I miss any
trackers?

Jeff
KD7INN

kc7dpd@... wrote:
>
> Group,
>
> I take it we are meeting at Randy's house at 9am? I have read the
> directions to Randy's house, shouldn't be too hard to find! I will be
> listening to 147.240 in the morning.....with the helium onboard!
> How many trackers do we have for the flight? I will have my gear there....
>
> Mike KC7DPD
>
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3386. Last minute requests

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-03 00:54:46 UTC
From: Hank Riley
Topic: 3365 Message: 3386

Jeff,

Could you please post here if you decide (up to the time
you leave tomorrow morning) to move the launch point from the
campground?

Second, don't forget to have somebody measure with a handheld
GPS the final landing spot.

Hank

_____
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3387. Re: [tvnsp] Last minute requests

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-03 01:06:18 UTC
From: Jeff Melanson
Topic: 3365 Message: 3387

Hi Hank,

Not a problem, we can post any final data from Randy's
house. We will take GPS readings as well.

Mike,

Be sure to bring your digital camera to the launch so we can
document the event. John Knapp will have his but will be
headed toward the predicted landing site once we leave
Randy's house. Anybody with camera's bring them along.

Jeff
KD7INN

Hank Riley wrote:
>
> Jeff,
>
> Could you please post here if you decide (up to the time
> you leave tomorrow morning) to move the launch point from the
> campground?
>
> Second, don't forget to have somebody measure with a handheld
> GPS the final landing spot.
>
> Hank
>
> _____
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3388. second ETA prediction for 02D (+21 hours at 1500 UTC)

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-03 01:25:33 UTC
From: n1ltv
Topic: 3365 Message: 3388

BT version 1.71

Balloon variables: 1000 up 1400 down 47k peak

Site variables: Launch alt. 3150 feet Landing alt. 3000 feet

WX variables: ETA model +21 hours Location BOI
Time 1500 UTC Saturday

+21 hour run of ETA shows 55 miles, 39 degrees

(previous +27 hour run gave 58 degrees, 41 miles)

Hank

3389. Re: Pre-flight rendezvous

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-03 01:29:06 UTC
From: n1ltv
Topic: 3337 Message: 3389

> I saw another message where the flight duration will only
> be about 1 hour. Is this correct?

Yup. About 44 minutes to burst, another 20 minutes to descend.

That's the prediction at least. :) The parachute descent
speed may be a bit off, and the burst altitude often causes
surprises, too.

3390. Re: [tvnsp] second ETA prediction for 02D (+21 hours at 1500 UTC)

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-03 01:30:53 UTC
From: Jeff Melanson
Topic: 3365 Message: 3390

Wow,

That's changed a bit!

Jeff

n1ltv wrote:
>
> ---
> BT version 1.71
>
> Balloon variables: 1000 up 1400 down 47k peak
>
> Site variables: Launch alt. 3150 feet Landing alt. 3000 feet
>
> WX variables: ETA model +21 hours Location BOI
> Time 1500 UTC Saturday
> ---
>
> +21 hour run of ETA shows 55 miles, 39 degrees
>
> (previous +27 hour run gave 58 degrees, 41 miles)
>
> Hank
>
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3391. Re: [tvnsp] second ETA prediction for 02D (+21 hours at 1500 UTC)

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-03 01:41:39 UTC
From: Jeff Melanson
Topic: 3365 Message: 3391

Hank,

Did you get the words Degrees and Miles swapped around? Is
it 55 degrees and 39 miles? That's what I have.

Jeff

n1ltv wrote:
>
> ---
> BT version 1.71
>
> Balloon variables: 1000 up 1400 down 47k peak
>
> Site variables: Launch alt. 3150 feet Landing alt. 3000 feet
>
> WX variables: ETA model +21 hours Location BOI
> Time 1500 UTC Saturday
> ---
>
> +21 hour run of ETA shows 55 miles, 39 degrees
>
> (previous +27 hour run gave 58 degrees, 41 miles)
>
> Hank
>
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3392. typo in second ETA prediction

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-03 01:46:56 UTC
From: Hank Riley
Topic: 3365 Message: 3392

Sorry for the lapse. The degrees and miles were
interchanged, so it's actually pretty close between
+27 and +21.

This is correct:

+21 hour run of ETA shows 55 degrees, 39 miles
(previous +27 hour run gave 58 degrees, 41 miles)

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3393. Water and such.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-03 01:51:41 UTC
From: Jeff Melanson
Topic: 3393 Message: 3393

Hey group,

Don't forget to bring water and other essentials. It's no
fun to be short on water. Been there done that!

Jeff
KD7INN

3394. Re: second ETA prediction for 02D (+21 hours at 1500 UTC)

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-03 01:55:47 UTC
From: n1ltv
Topic: 3365 Message: 3394

> Hank,
>
> Did you get the words Degrees and Miles swapped around? Is
> it 55 degrees and 39 miles? That's what I have.
>
> Jeff

That's what happened. I didn't realize until I read
your reaction, and I couldn't figure out what the big
deal was, and then it donned on me.

Jeff, ballooning with reusable, recoverable payloads
is nice. If this were a SkyQuest launch tomorrow I'd
be up half the night building and gluing and making
last minute changes to the payload. No way I'd be able
to be emailing like we all are.

Each SkyQuest launch means a whole new enclosure and
electronics! Cutting and gluing styrofoam is a real fun
thing .. not.

That's one of the reasons why it's been a while for
SkyQuest.

Hank

3395. Re: [tvnsp] Re: second ETA prediction for 02D (+21 hours at 1500 UTC)

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-03 02:01:41 UTC
From: Jeff Melanson
Topic: 3365 Message: 3395

I agree, I still have to load the truck but everything is
ready to go and it's nice to able to concentrate on
predictions.

Jeff
KD7INN

n1ltv wrote:
>
> > Hank,
> >
> > Did you get the words Degrees and Miles swapped around? Is
> > it 55 degrees and 39 miles? That's what I have.
> >
> > Jeff
>
> That's what happened. I didn't realize until I read
> your reaction, and I couldn't figure out what the big
> deal was, and then it donned on me.
>
> Jeff, ballooning with reusable, recoverable payloads
> is nice. If this were a SkyQuest launch tomorrow I'd
> be up half the night building and gluing and making
> last minute changes to the payload. No way I'd be able
> to be emailing like we all are.
>
> Each SkyQuest launch means a whole new enclosure and
> electronics! Cutting and gluing styrofoam is a real fun
> thing .. not.
>
> That's one of the reasons why it's been a while for
> SkyQuest.
>
> Hank
>
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3396. campgrounds

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-03 02:29:16 UTC
From: n1ltv
Topic: 3393 Message: 3396

What's this Bully Creek place like and is it a state facility or federal (or other). A few pictures of that environment might be nice just for the record.

I notice on a Rand-McNally Road Atlas map there is a wayside or roadside park southwest of Midvale on 95. I guess that's nothing major.

It looks like the north-south road just to the east, 55, might serve some amount of recreation/tourism activity. Would I be on the right track with that thinking? Lots of fishing and hiking going on possibly with the nearby national forests and the River of No Return Wilderness Area?

Hank

3397. Forward: Several record possibilities for 02D

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-03 02:33:36 UTC
From: Hank Riley
Topic: 3397 Message: 3397

Record Keeping...

Hank suggested that we might be eligible for several categories of Ralph Wallio's Mission Records.

Looks like the possibilities are:

1) Lowest Reported Maximum Altitude (AGL)
2) Lightest payload
3) Touchdown Prediction Closest to Actual Coordinates
4) Highest Continuous Ascent Rate (averaged over >10,000ft)
5) Shortest Great Circle Distance, Release to Touchdown (at least 50kft maximum altitude ASL)

For the Touchdown prediction you must submit your prediction to Ralph before the launch. You do not have to be a TVNSP member to participate. Go to Ralph's website and read the requirements.

http://users.crosspaths.net/wallio/RECORDS.html

You might want to put your prediction in after we get the final prediction data at Randy's house. You are only allowed one submission. It could be a little difficult to predict it tonight since we might change the free lift amount. We'll decide that in the morning. I suspect we will if the balloon will cooperate.

Okay team, let's keep good records.

Jeff
KD7INN

_____
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3398. APRS Bulletin & landing spot?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-03 05:05:30 UTC
From: kd7pit
Topic: 3398 Message: 3398

Are we wanting to post an APRS bulletin annoucing this flight and generate some interest or is this flight too short for it to even matter? Also, posting predicted landing spots on APRS was kinda nice too, any plans for trying that out again? See ya all in the morning.

Justin, KD7PIT

3399. Re: [tvnsp] campgrounds

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-03 05:14:06 UTC
From: Randy Farley
Topic: 3393 Message: 3399

n1ltv wrote:
>
> What's this Bully Creek place like and is it a
> state facility or federal (or other). A few pictures
> of that environment might be nice just for the
> record.

This is a BLM campground next to a reservoir with full RV facilities.
It has large (no time to check acreage)grassy campgrounds with 15+
year old russian olive and cottonwood trees for shade.This time of
year
it produces some of the finest blood sucking mosquitoes found in
nature.
Actually it is a man made water storage facility for local crop
irrigation.
The park and reservoir is surrounded by low rolling hills containing a
mixture of lava beds,sage brush,juniper trees,rattlesnakes,wild
mustangs and beutiful farm land sprinkled about here and yonder. There
are a lot of hot geo thermal and cold artesian springs in the area.
Will take pictures as time alows.

>
> I notice on a Rand-McNally Road Atlas map there is
> a wayside or roadside park southwest of Midvale on
> 95. I guess that's nothing major.

That is called the Midvale Hill rest area by locals. Nothing major,but
has
a nice view of the Cambridge and Council valleys to the north. Also a
historical Indian site where one could find lots of arrowheads. Even
though
it has a nice view of the surrounding valleys, it is a DFing
nightmare.
The surrounding canyaon and rocky outcrops produce some weird
multi-pathing signals.
>
> It looks like the north-south road just to the east,
> 55, might serve some amount of recreation/tourism
> activity. Would I be on the right track with that
> thinking? Lots of fishing and hiking going on
> possibly with the nearby national forests and the
> River of No Return Wilderness Area?

Yes,that is one of our premier recreation sites for southern Idaho.
World class white water kayaking and rafting on the various forks of
the Payette rivers. The Salmon river area is too far north for

this balloon (knock on wood)flight. Those canyons are only good for
mountain sheep and rock climbers ;-) I hope we stay in the Weiser
river drainage area around highway 95 and not too far east. Those
mountains
have too many balloon hugging tree limbs for my comfort.

Oh.. the challenges of Idaho Ballooning.

> Hank
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

--
Regards,

Randy Farley
N7GPS -Ham Call-
My QTH at: http://map.findu.com/n7gps
Find Me Mobile at: http://map.findu.com/n7gps-9

3400. Re: [tvnsp] APRS Bulletin & landing spot?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-03 05:15:28 UTC
From: Randy Farley
Topic: 3398 Message: 3400

Sounds like a plan Justin. Do it.

kd7pit wrote:
>
> Are we wanting to post an APRS bulletin annoucing this flight and
> generate some interest or is this flight too short for it to even
> matter? Also, posting predicted landing spots on APRS was kinda nice
> too, any plans for trying that out again? See ya all in the morning.
>
> Justin, KD7PIT
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

--
Regards,

Randy Farley
N7GPS -Ham Call-
My QTH at: http://map.findu.com/n7gps
Find Me Mobile at: http://map.findu.com/n7gps-9

3401. I really hope I did something wrong...

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-03 06:46:53 UTC
From: Bill Herrmann
Topic: 3398 Message: 3401

I finally got a chance to get stuff setup and run a prediction. (To add to the fun I got bounced off the list for a day or two early in the week.)

I used the 03/0000Z soundings from the University of Wyoming site and got a bearing of 61 degrees and range of 46.5 miles, which sounded similar to what I saw you guys predicting, so I didn't worry till I played with the export to Street Atlas function.

That flight path wound up landing right smack dab in the middle of Crane Creek reservoir, which didn't sound too desirable.

So, did I make a boo-boo somewhere or did the winds change enough to land it there? One oddity that I observed was that the printed flight synopsis showed a landing altitude of 1 foot. Plugged in 3000 there and I think it changed the landing spot slightly, but it still got wet.

Bill

p.s. Used 1000fpm ascent and 1400fpm descent launched at a 3150 foot altitude from 44.03N 117.41W. Got an elapsed time of 66 minutes. (Used burst altitude of 47000 feet.)

3402. Re: [tvnsp] APRS Bulletin & landing spot?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-03 06:52:03 UTC
From: Bill Herrmann
Topic: 3398 Message: 3402

At 05:05 AM 8/3/02 +0000, you wrote:
>Are we wanting to post an APRS bulletin annoucing this flight and
>generate some interest or is this flight too short for it to even
>matter?

I'd suggest posting one prior to launch. Might be a good idea to do it about the time you meet at Randy's place. You could put the predicted launch & landing in there.

>Also, posting predicted landing spots on APRS was kinda nice
>too, any plans for trying that out again?

You'll have to see if somebody there can do it. I'm gonna be stuck in that meeting. Basically you just go in and send an object in APRS+SA. You can even set a course and speed for it. (though you probably don't want to in this case.)

Good luck!
Bill

3403. Re: [tvnsp] I really hope I did something wrong...

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-03 11:35:53 UTC
From: Jeff Melanson
Topic: 3398 Message: 3403

Hi Bill,

The answer is that we are using forecast data tp predict the
future. We are currently using the Eta model for Aug 3, 2002
1500 UTC. We will get actual data this morning at Randy's
house when we meet there.

Jeff
KD7INN

Bill Herrmann wrote:
>
> I finally got a chance to get stuff setup and run a prediction. (To add to
> the fun I got bounced off the list for a day or two early in the week.)
>
> I used the 03/0000Z soundings from the University of Wyoming site and got a
> bearing of 61 degrees and range of 46.5 miles, which sounded similar to
> what I saw you guys predicting, so I didn't worry till I played with the
> export to Street Atlas function.
>
> That flight path wound up landing right smack dab in the middle of Crane
> Creek reservoir, which didn't sound too desirable.
>
> So, did I make a boo-boo somewhere or did the winds change enough to land
> it there? One oddity that I observed was that the printed flight synopsis
> showed a landing altitude of 1 foot. Plugged in 3000 there and I think it
> changed the landing spot slightly, but it still got wet.
>
> Bill
>
> p.s. Used 1000fpm ascent and 1400fpm descent launched at a 3150 foot
> altitude from 44.03N 117.41W. Got an elapsed time of 66 minutes. (Used
> burst altitude of 47000 feet.)
>
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3404. Re: [tvnsp] I really hope I did something wrong...

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-03 12:43:57 UTC
From: kc7dpd@velocitus.net
Topic: 3398 Message: 3404

Bill and the group,

I got the same results when I did the Street Atlas export thing.....of course, we have to remember, those results will be 14 hours old at launch...I am sure mother nature will move the winds in another direction by then! :) We hope!
See ya'll in a couple hours!

Mike KC7DPD

> Hi Bill,
>
> The answer is that we are using forecast data tp predict the
> future. We are currently using the Eta model for Aug 3, 2002
> 1500 UTC. We will get actual data this morning at Randy's
> house when we meet there.
>
> Jeff
> KD7INN
>
> Bill Herrmann wrote:
>>
>> I finally got a chance to get stuff setup and run a prediction. (To
>> add to the fun I got bounced off the list for a day or two early in
>> the week.)
>>
>> I used the 03/0000Z soundings from the University of Wyoming site and
>> got a bearing of 61 degrees and range of 46.5 miles, which sounded
>> similar to what I saw you guys predicting, so I didn't worry till I
>> played with the export to Street Atlas function.
>>
>> That flight path wound up landing right smack dab in the middle of
>> Crane Creek reservoir, which didn't sound too desirable.
>>
>> So, did I make a boo-boo somewhere or did the winds change enough to
>> land it there? One oddity that I observed was that the printed flight
>> synopsis showed a landing altitude of 1 foot. Plugged in 3000 there
>> and I think it changed the landing spot slightly, but it still got
>> wet.
>>
>> Bill
>>
>> p.s. Used 1000fpm ascent and 1400fpm descent launched at a 3150 foot
>> altitude from 44.03N 117.41W. Got an elapsed time of 66 minutes. (Used
>> burst altitude of 47000 feet.)
>>

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3405. Morning Flight Predictions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-03 13:15:04 UTC
From: K7JPS - John
Topic: 3405 Message: 3405

I was able to pull this mornings data from the atmospheric soundings data site at Univ of WY. The data had 51 lines up to an alt. of 16540 m (54265').

I started with
Launch point N 44.0241 W 117.4008
Ascent 1000 fpm
Decent 1400 fpm
Alt 2520'
Burst 47000'

I predicted a landing of N 44.3775 W 116.7338
Alt. 3000
Time 64 min
Bearing 53.3
Range 41.1

This places it roughly 5 miles west of Crane Creek Reservoir. Looks like it might be a little bit of a hike.

3406. Re: [tvnsp] Morning Flight Predictions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-03 14:38:37 UTC
From: Bill Herrmann
Topic: 3405 Message: 3406

At 07:15 AM 8/3/02 -0600, you wrote:
>I predicted a landing of N 44.3775 W 116.7338
>Alt. 3000
>Time 64 min
>Bearing 53.3
>Range 41.1

That sounds like what I got when I just ran a hurried prediction.

Bill

3407. Re: Morning Flight Predictions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-03 15:48:41 UTC
From: n1ltv
Topic: 3405 Message: 3407

> Bearing 53.3
> Range 41.1
>
> This places it roughly 5 miles west of Crane Creek Reservoir.
> Looks like it might be a little bit of a hike.

Maybe the crew will decide to fatten up the balloon a little
to shorten the flight as already discussed here. That decision
may be made at the launch site so I guess we in the peanut
gallery will have to wait until it's over to find out what
was done.

Hank

3408. fast rising TVNSP 02D

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-03 17:21:34 UTC
From: n1ltv
Topic: 3408 Message: 3408

Appears to have a quite high vertical velocity
of about 1450 feet/minute.

I think Jeff wants no part of going too far north in
rugged, roadless terrain so it looks like he launched
a fat little balloon.

EOSS would call this a "hot" launch.

It will be interesting to see the burst height. It
may well be a bit less than the predicted 47k if
it has been overinflated relative to the prediction
as I suspect.

Hank

3409. 02D has burst and is on the way down

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-03 17:36:44 UTC
From: n1ltv
Topic: 3409 Message: 3409

highest 52503 feet around 11:28 MDT

For the sake of recovery, I'm glad it finally broke.

My prediction sent to Ralph Wallio this morning used a
burst height of 50k, and a parachute descent speed of
1500 ft/min.

The burst height was based on a 1000 ft/min rise,
which is not too close to what really happened.

It will be intersting to see what the parachute does.
For its size, the Balloontrack calc says way higher
than the 1400 feet that Spectrachute says and that
Jeff is trusting. I think BT says something around
1700 ft/min.

Hank

3410. Balloon Landing Site

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-03 18:45:02 UTC
From: Stephanie Steele
Topic: 3410 Message: 3410

Balloon is on ground at the following coordinates. Recovery crew is going to hike in to it now.

N 44.4315
W 116.7478

--
Stephanie

****

Friends are quiet angels who lift us to our feet when our wings have trouble remembering how to fly.

****

"They that can give up essential liberty to obtain a little temporary safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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3411. TVNSP flight TV02D

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-03 19:26:41 UTC
From: Stephanie Steele
Topic: 3411 Message: 3411

Balloon has been recovered and crew is returning to their vehicles.
Congrats to the launch/recovery crew.

--
Stephanie

****

Friends are quiet angels who lift us to our feet when our wings have
trouble remembering how to fly.

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

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****

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3412. Re: [tvnsp] TVNSP flight TV02D recovered

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-03 19:40:19 UTC
From: Hank Riley
Topic: 3411 Message: 3412

> Balloon has been recovered and crew is returning to
> their vehicles.

Excellent!

Whew. Quite a few creeks and rivers, and a railroad
track too.

_____
Do You Yahoo!?
Yahoo! Health - Feel better, live better
http://health.yahoo.com

3413. Re: [tvnsp] TVNSP flight TV02D recovered

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-03 19:44:07 UTC
From: Hank Riley
Topic: 3411 Message: 3413

> > Balloon has been recovered and crew is returning to
> > their vehicles.

Stephanie,

Did you hear that on a repeater? If so, could you say
which one?

Hank

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Yahoo! Health - Feel better, live better
http://health.yahoo.com

3414. Re: campgrounds

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-03 20:14:23 UTC
From: n1ltv
Topic: 3393 Message: 3414

> I hope we stay in the Weiser
> river drainage area around highway 95 and not too far east.

Bingo, wish granted! :)

Thanks for the excellent local knowledge description of
southern Idaho attractions.

Hank

3415. 02D landing spot map

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-03 20:39:54 UTC
From: Hank Riley
Topic: 3415 Message: 3415
Attachments: 1 described; binary payloads are missing from this source WARC

This is in two scales for clarity. The landing was just
south of Midvale.

The 5k feet last APRS igated position was exactly at
the junction of Pole and Deep Creeks that flow into the
Weiser River. The actual landing is close enough to the
5k position that I skipped plotting it separately.

Note the big powerline just to the east!!!! Whoah.

Hank

_____
Chat with friends online, try MSN Messenger: http://messenger.msn.com

3416. Re: [tvnsp] TVNSP flight TV02D recovered

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-03 23:11:22 UTC
From: Stephanie Steele
Topic: 3411 Message: 3416

I was talking to the group on simplex as they were out of repeater coverage.

The creeks are almost all dry, the river is barely a trickle. These are the joys of living in a desert. The railroad tracks are now gone. The desert is surrounded by forests that lumber companies can't touch thanks to federal land policies that have put them all out of business! Oh well, at least we still have a lot of trees to burn in forest fires ;-)

Stephanie

Hank Riley wrote:
>>Balloon has been recovered and crew is returning to
>>their vehicles.
>
>
> Excellent!
>
> Whew. Quite a few creeks and rivers, and a railroad
> track too.
>
>
> _____
> Do You Yahoo!?
> Yahoo! Health - Feel better, live better
> http://health.yahoo.com
>
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>
>
>
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>
>
>
>

--
Stephanie

****

Friends are quiet angels who lift us to our feet when our wings have trouble remembering how to fly.

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
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3417. forest, streams, and railroads

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-04 01:05:06 UTC
From: n1ltv
Topic: 3411 Message: 3417

> The railroad tracks are now gone.

Is that really true, or are they there but abandoned?
You seem to be saying they've been removed.

3418. Re: [tvnsp] forest, streams, and railroads

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-04 02:07:16 UTC
From: Jeff Melanson
Topic: 3411 Message: 3418

Hi Hank,

Yes it's true. The tracks are gone and it was turned into a
trail.

Jeff

n1ltv wrote:
>
> > The railroad tracks are now gone.
>
> Is that really true, or are they there but abandoned?
> You seem to be saying they've been removed.
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
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3419. Flight TV02D a success!

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-04 03:06:51 UTC
From: Jeff Melanson
Topic: 3419 Message: 3419

Hi all,

I know everyone wants all the details so here is some of it. Pictures will follow.

We filled the 200 gram balloon for a Nozzle Lift of 5.3 lbs to get a Free Lift of 3 lbs. That's about 5.5 feet in diameter according to Liftwin. We did this to try to bring the burst altitude down to 41,000 ft. The idea was to prevent the capsule from going to far past Weiser. There was some discussion about the balloon being to fragile but now we know from experience that is is not. We had no problems filling and handling the balloon at this diameter.
Launch time was 10:51 am. It was definitely a hot launch! We later calculated the ascent rate at 1350 fpm. Much faster than originally predicted (1150 fpm). I was surprised to see the altitude reach 52,539 ft! (As per my APRS log). That's a bit higher than that balloon was supposed to go! Paul and I calculated by hand how high the balloon should go and then ran the numbers with Liftwin and both methods showed 47,000 ft if filled for a free lift of 2 lbs. The change we made to 3 lbs should have been 41,000 ft. The balloon just did not perform as expected by Kaymont's data. Was this balloon different or is the Kaymont data wrong? Since we will be flying more of these in the future we will find out.
The closest we could drive to the landing site was .7 miles. I was surprised that we picked up the signal again. With a j-pole antenna laying on the ground in this rugged terrain and a 340 milliwatt radio it performed really well. We had to hike the rugged terrain around hills and through gully's and fences. It was said that the creek didn't have much water in it. That's true but it was a tough one to cross! At the first place we tried I worked my way through the bushes and approached the creek to discover a drop off of about 8 feet! We kept going further downstream (or was it upstream?) until we found a spot we could squeeze through. Watch those bushes, there sharp! Then up the hill. Only .7 miles? I wonder how far we actually hiked. We finally found it on the side of a hill down low. It was in good condition. We took GPS readings and pictures and drank water and rested. Then we had to make the hike back to the vehicles. Whew! More water please! We meet at Sizzler and refueled ourselves, then headed over to Randy's to look at the data and make copy's for everyone.
The 24 inch parachute form Spectrachutes performed as

expected. I predicted a descent rate of 1400 fpm. The actual rate was 1350. Yes it was the same as the ascent rate. This flight meets the criteria for five of Ralph Wallio's record categories and I will submit them to him a little later. The categories are:

1) Lowest Reported Maximum Altitude (AGL)
2) Highest Continuous Ascent Rate (averaged over >10,000ft)
3) Shortest Great Circle Distance, Release to Touchdown (at least 50kft maximum altitude ASL)
4) Lightest payload
5) Touchdown Prediction Closest to Actual Coordinates

Jeff
KD7INN

3420. Re: [tvnsp] forest, streams, and railroads

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-04 03:09:02 UTC
From: Randy Farley
Topic: 3411 Message: 3420

Yes the tracks were removed several years ago due to saw mill
closures.
A local group has turned the remaining rail bed into a jogging and
bycycle path.

n1ltv wrote:
>
> > The railroad tracks are now gone.
>
> Is that really true, or are they there but abandoned?
> You seem to be saying they've been removed.
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
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--
Regards,

Randy Farley
N7GPS -Ham Call-
My QTH at: http://map.findu.com/n7gps
Find Me Mobile at: http://map.findu.com/n7gps-9

3421. Re: [tvnsp] Flight TV02D a success!

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-04 03:19:06 UTC
From: Hank Riley
Topic: 3419 Message: 3421

> The closest we could drive to the landing site was .7 miles.
> I was surprised that we picked up the signal again.

Jeff or crew,

You've just done a first account, which was great, but I have
one question that I think is a basic one: How long after
touchdown did you arrive at roadside to go into the hills?

If you don't know try a guess.

Hank

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http://health.yahoo.com

3422. Re: [tvnsp] 02D has burst and is on the way down

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-04 03:19:27 UTC
From: Jeff Melanson
Topic: 3409 Message: 3422

Hmmm...
The balloon track calculator says 1780 fpm. The actual
descent rate was 1350 fpm which is close to the
Spectrachutes ratings.

Jeff

n1ltv wrote:
> highest 52503 feet around 11:28 MDT
>
> For the sake of recovery, I'm glad it finally broke.
>
> My prediction sent to Ralph Wallio this morning used a
> burst height of 50k, and a parachute descent speed of
> 1500 ft/min.
>
> The burst height was based on a 1000 ft/min rise,
> which is not too close to what really happened.
>
> It will be intersting to see what the parachute does.
> For its size, the Balloontrack calc says way higher
> than the 1400 feet that Spectrachute says and that
> Jeff is trusting. I think BT says something around
> 1700 ft/min.
>
> Hank
>
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3423. parachute performance

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-04 03:26:15 UTC
From: n1ltv
Topic: 3409 Message: 3423

> The balloon track calculator says 1780 fpm. The actual
> descent rate was 1350 fpm which is close to the
> Spectrachutes ratings.

Good enough for Spectrachute. They as much as said theirs
were different (better) than others.

I was watching this part of the flight with extra interest
because I'm going to add parachute drop to LIFTWIN. I guess
there might have to be two categories, SPECTRA and other.

Hank

3424. Re: [tvnsp] Flight TV02D a success!

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-04 03:33:41 UTC
From: Jeff Melanson
Topic: 3419 Message: 3424

Hank,

According to my APRS log the last data I recieved as it was coming down was at 11:52 am at an altitude of 3690 ft. I regained the signal at the roadside at 12:46 pm at an altitude of 2650 ft. That's 54 minutes for me. It was a little shorter for John and Deb because they arrived ahead of the rest of us.

Jeff
KD7INN

Hank Riley wrote:
>
> > The closest we could drive to the landing site was .7 miles.
> > I was surprised that we picked up the signal again.
>
> Jeff or crew,
>
> You've just done a first account, which was great, but I have
> one question that I think is a basic one: How long after
> touchdown did you arrive at roadside to go into the hills?
>
> If you don't know try a guess.
>
> Hank
>
> ~---~
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3425. Re: [tvnsp] 02D landing spot map

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-04 03:30:07 UTC
From: Randy Farley
Topic: 3415 Message: 3425

It is sure neet to see how far the APRS I-Gate system has progressed
over the years. Now people everywhere can enjoy these events live.
Hank,glad to see your eagerness to watch us out West. Makes my
heart all warm and fuzzy knowing people around world may be watching.
Of course when we screw up, we hope all viewers receive voltage
spikes at their monitors ;-)

Jeff did a bang up job in preparation for this new type of flight
package. Just wished mother natures terrain was easier on him and the
crew.
I think we ought to enter one of them "extremist sports" TV
shows,maybe call it "Extremist Balloong". Whadya think Jeff ;-)

Hank Riley wrote:
>
> This is in two scales for clarity. The landing was just
> south of Midvale.
>
> The 5k feet last APRS igated position was exactly at
> the junction of Pole and Deep Creeks that flow into the
> Weiser River. The actual landing is close enough to the
> 5k position that I skipped plotting it separately.
>
> Note the big powerline just to the east!!!! Whoah.
>
> Hank
>
> _____
> Chat with friends online, try MSN Messenger: http://messenger.msn.com
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
> --
> Name: TVNSP02Dmap.gif
> TVNSP02Dmap.gif Type: GIF Image (image/gif)
> Encoding: base64

--
Regards,

Randy Farley
N7GPS -Ham Call-
My QTH at: http://map.findu.com/n7gps
Find Me Mobile at: http://map.findu.com/n7gps-9

3426. time elapsed after payload landing

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-04 03:41:19 UTC
From: n1ltv
Topic: 3419 Message: 3426

> According to my APRS log the last data I recieved as it was
> coming down was at 11:52 am at an altitude of 3690 ft. I
> regained the signal at the roadside at 12:46 pm at an
> altitude of 2650 ft. That's 54 minutes for me.

Whoah. That's quite a bit. Good thing it was hidden
in the woods as opposed to in plain view.

Thank you. Going offline until tomorrow.

3427. Re: [tvnsp] 02D landing spot map

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-04 03:46:15 UTC
From: Jeff Melanson
Topic: 3415 Message: 3427

I like ballooning but not hiking! How come Justin didn't
beat us to the capsule? He's the youngest and should have
just sprinted over those hills and creeks and fences! Of
course Paul and John the younger have long legs and did
arrive first.

Jeff

Randy Farley wrote:
>
> It is sure neet to see how far the APRS I-Gate system has progressed
> over the years. Now people everywhere can enjoy these events live.
> Hank,glad to see your eagerness to watch us out West. Makes my
> heart all warm and fuzzy knowing people around world may be watching.
> Of course when we screw up, we hope all viewers receive voltage
> spikes at their monitors ;-)
>
> Jeff did a bang up job in preparation for this new type of flight
> package. Just wished mother natures terrain was easier on him and the
> crew.
> I think we ought to enter one of them "extremist sports" TV
> shows,maybe call it "Extremist Balloong". Whadya think Jeff ;-)
>
> Hank Riley wrote:
> >
> > This is in two scales for clarity. The landing was just
> > south of Midvale.
> >
> > The 5k feet last APRS igated position was exactly at
> > the junction of Pole and Deep Creeks that flow into the
> > Weiser River. The actual landing is close enough to the
> > 5k position that I skipped plotting it separately.
> >
> > Note the big powerline just to the east!!!! Whoah.
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> > Hank
> >
> > _____
> > Chat with friends online, try MSN Messenger: http://messenger.msn.com
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> >

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> >
> > --
> > Name: TVNSP02Dmap.gif
> > TVNSP02Dmap.gif Type: GIF Image (image/gif)
> > Encoding: base64
>
> --
> Regards,
>
> Randy Farley
> N7GPS -Ham Call-
> My QTH at: http://map.findu.com/n7gps
> Find Me Mobile at: http://map.findu.com/n7gps-9
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
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>
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3428. Thermochron in the capsule.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-04 03:51:27 UTC
From: Jeff Melanson
Topic: 3428 Message: 3428

We had a thermochron in the capsule. The lowest temperature recorded was 63.5 degrees.
Paul will give us more data on that later.

Jeff
KD7INN

3429. watching 02D by way of the igate system

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-04 04:00:09 UTC
From: n1ltv
Topic: 3415 Message: 3429

> Now people everywhere can enjoy these events live.

It is amazing. Just for everyone's info, those graphs
were done manually, not automagically (in the sense they're
not screenshots of any APRS site). I used a GARMIN CD
mapping program along with shareware Paintshop to neaten
up the graphics because the GARMIN map program will NOT
export graphics (very bad, very lame), so I had to do
screen shots and then trim, annotate, and combine into
one composite image.

> Hank,glad to see your eagerness to watch us out West

Oh, I'm a balloonatic for sure and this stuff to me is
the GREATEST, so thanks TVNSP. I really, really don't
understand why it hasn't caught on much bigger. To me
it's like soccer in the USA or cycling. Just can't figure
out why *everyone* (among hams I mean) isn't wild about
sending radio stuff up on balloons.

Heck, I'd like to try getting on a balloon and taking the
radio up myself! There is an outfit that is selling small
helium balloons to do tethered jumping in, and I saw a review
of these where the reviewer said he'd like to cut loose
and take off. Harry of Tulsa told me about this.

There are nice one man hot air balloons without a gondola
already so this is not a nutty idea.

Hank

3430. Re: Thermochron in the capsule.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-04 04:03:41 UTC
From: n1ltv
Topic: 3428 Message: 3430

> The lowest temperature recorded was 63.5 degrees.

Very little time to cool down! That might be a record
if such things were always tracked.

3431. OT: Re: [tvnsp] forest, streams, and railroads

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-04 04:43:28 UTC
From: Bill Herrmann
Topic: 3411 Message: 3431

At 01:05 AM 8/4/02 +0000, you wrote:
>Is that really true, or are they there but abandoned?
>You seem to be saying they've been removed.

Since one of my other hobbies involves railroads... (I may be the only qualified steam locomotive engineer on the list. <grin>) ... I feel qualified to answer this.

It would be fairly unusual for the rails to be left if the railroad were abandoned. They have enough intrinsic value to make salvaging them worthwhile and most governments wouldn't stand for them being left there.

On an economic side note: Some years ago one of the main companies that builds track maintenance equipment came out with a machine that immensely sped up the effort of replacing ties by chopping them into 3 pieces and kicking the ends out from under the rails. You would be hard-pressed to find one in service today because the railroads quickly figured out that the extra time it took to replace them without chopping them could be more than made up for by sales to landscape contractors. I've heard that some companies that deal in used ties actually contract with the railroads to pick them up at the nearest grade crossing.

Bill

3432. Re: [tvnsp] Flight TV02D a success!

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-04 23:53:22 UTC
From: Stephanie Steele
Topic: 3419 Message: 3432

Congrats to the launch/recovery team for a 'job' well done. Sorry I had
to miss it.

Stephanie

Jeff Melanson wrote:
> Hi all,
>
> I know everyone wants all the details so here is some of it.
> Pictures will follow.
>
> We filled the 200 gram balloon for a Nozzle Lift of 5.3 lbs
> to get a Free Lift of 3 lbs. That's about 5.5 feet in
> diameter according to Liftwin. We did this to try to bring
> the burst altitude down to 41,000 ft. The idea was to
> prevent the capsule from going to far past Weiser. There was
> some discussion about the balloon being to fragile but now
> we know from experience that is is not. We had no problems
> filling and handling the balloon at this diameter.
> Launch time was 10:51 am. It was definitely a hot launch! We
> later calculated the ascent rate at 1350 fpm. Much faster
> than originally predicted (1150 fpm). I was surprised to see
> the altitude reach 52,539 ft! (As per my APRS log). That's a
> bit higher than that balloon was supposed to go! Paul and I
> calculated by hand how high the balloon should go and then
> ran the numbers with Liftwin and both methods showed 47,000
> ft if filled for a free lift of 2 lbs. The change we made to
> 3 lbs should have been 41,000 ft. The balloon just did not
> perform as expected by Kaymont's data. Was this balloon
> different or is the Kaymont data wrong? Since we will be
> flying more of these in the future we will find out.
> The closest we could drive to the landing site was .7 miles.
> I was surprised that we picked up the signal again. With a
> j-pole antenna laying on the ground in this rugged terrain
> and a 340 milliwatt radio it performed really well. We had
> to hike the rugged terrain around hills and through gully's
> and fences. It was said that the creek didn't have much
> water in it. That's true but it was a tough one to cross! At
> the first place we tried I worked my way through the bushes
> and approached the creek to discover a drop off of about 8
> feet! We kept going further downstream (or was it upstream?)
> until we found a spot we could squeeze through. Watch those
> bushes, there sharp! Then up the hill. Only .7 miles? I
> wonder how far we actually hiked. We finally found it on the
> side of a hill down low. It was in good condition. We took

> GPS readings and pictures and drank water and rested. Then
> we had to make the hike back to the vehicles. Whew! More
> water please! We meet at Sizzler and refueled ourselves,
> then headed over to Randy's to look at the data and make
> copy's for everyone.
> The 24 inch parachute form Spectrachutes performed as
> expected. I predicted a descent rate of 1400 fpm. The actual
> rate was 1350. Yes it was the same as the ascent rate.
> This flight meets the criteria for five of Ralph Wallio's
> record categories and I will submit them to him a little
> later. The categories are:
>
> 1) Lowest Reported Maximum Altitude (AGL)
> 2) Highest Continuous Ascent Rate (averaged over >10,000ft)
> 3) Shortest Great Circle Distance, Release to Touchdown (at
> least 50kft maximum altitude ASL)
> 4) Lightest payload
> 5) Touchdown Prediction Closest to Actual Coordinates
>
> Jeff
> KD7INN
>
> To unsubscribe from this group, send an email to:
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>
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>
>
>
>

--
Stephanie

****

Friends are quiet angels who lift us to our feet when our wings have
trouble remembering how to fly.

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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3433. Re: OT: Re: [tvnsp] forest, streams, and railroads

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-04 23:54:09 UTC
From: Stephanie Steele
Topic: 3411 Message: 3433

Railfan here too!

Bill Herrmann wrote:
> At 01:05 AM 8/4/02 +0000, you wrote:
>
>>Is that really true, or are they there but abandoned?
>>You seem to be saying they've been removed.
>
>
> Since one of my other hobbies involves railroads... (I may be the only
> qualified steam locomotive engineer on the list. <grin>) ... I feel
> qualified to answer this.
>
> It would be fairly unusual for the rails to be left if the railroad were
> abandoned. They have enough intrinsic value to make salvaging them
> worthwhile and most governments wouldn't stand for them being left there.
>
> On an economic side note: Some years ago one of the main companies that
> builds track maintenance equipment came out with a machine that immensely
> sped up the effort of replacing ties by chopping them into 3 pieces and
> kicking the ends out from under the rails. You would be hard-pressed to
> find one in service today because the railroads quickly figured out that
> the extra time it took to replace them without chopping them could be more
> than made up for by sales to landscape contractors. I've heard that some
> companies that deal in used ties actually contract with the railroads to
> pick them up at the nearest grade crossing.
>
> Bill
>
>
>
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> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
>
>

--
Stephanie

****

Friends are quiet angels who lift us to our feet when our wings have trouble remembering how to fly.

****

"They that can give up essential liberty to obtain a little temporary safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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3434. Re: [tvnsp] forest, streams, and railroads

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-05 02:11:05 UTC
From: Craig Brunson
Topic: 3411 Message: 3434

The railbed your referring to was the Pacific, Idaho, & Northern RR (PIN) that ran from Weiser, I think all the way to New Meadows. Later it was cut back to the saw mill at Tamarack. I have only found references to the PIN in a few books on railroad history. I lived in Weiser from 58 to 71, and had a high school friend who's father was stationmaster at the Weiser UP station. He was the first one that told me about the line. I am sorry to hear it has been removed like so many others. Sounds like you had a great flight. I saw about 6 hits via rf over here in Hillsboro.

73
Craig
N7TSZ

----- Original Message ----- > Bill Herrmann wrote:
> > At 01:05 AM 8/4/02 +0000, you wrote:
> >
> >>Is that really true, or are they there but abandoned?
> >>You seem to be saying they've been removed.
> >
> >
> > Since one of my other hobbies involves railroads... (I may be the only
> > qualified steam locomotive engineer on the list. <grin>) ... I feel
> > qualified to answer this.
> >
> > It would be fairly unusual for the rails to be left if the railroad were
> > abandoned. They have enough intrinsic value to make salvaging them
> > worthwhile and most governments wouldn't stand for them being left
there.
> >
> > On an economic side note: Some years ago one of the main companies that
> > builds track maintenance equipment came out with a machine that
immensely
> > sped up the effort of replacing ties by chopping them into 3 pieces and
> > kicking the ends out from under the rails. You would be hard-pressed to
> > find one in service today because the railroads quickly figured out that
> > the extra time it took to replace them without chopping them could be
more
> > than made up for by sales to landscape contractors. I've heard that some
> > companies that deal in used ties actually contract with the railroads to
> > pick them up at the nearest grade crossing.
> >
> > Bill

3435. Long range.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-05 03:30:43 UTC
From: Jeff Melanson
Topic: 3435 Message: 3435

Craig Brunson wrote:

> Sounds like you had a great
> flight. I saw about 6 hits via rf over here in Hillsboro.
>
> 73
> Craig
> N7TSZ

According to Street Atlas that would be about 313 miles line of sight. The capsule has a J-pole antenna made out of twin lead that hangs upside down. I built it from the instructions on this link.

http://www.n6mrx.com/Antenna/Pocket%20J-Pole.htm

The radio is a 340 milliwatt Alinco DJ-S11T.

Jeff
KD7INN

3436. TV02D Pictures

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-05 03:35:32 UTC
From: Jeff Melanson
Topic: 3436 Message: 3436

TVNSP members,

Please post some of the pictures that were taken on this
flight as soon as you get a chance.

Thanks,
Jeff
KD7INN

3437. Re: [tvnsp] Flight TV02D a success!

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-05 03:59:23 UTC
From: John Knapp
Topic: 3419 Message: 3437

Stephanie, thanks for the help you did in finding the
right road to head for the balloon. Sometimes more
help can be had by a base station then if we were
running blind (so to speak) down the highway, trying
to find out were we are to go.

Again, thanks

JohnK
KD7HGS
--- Stephanie Steele <stephanie@...> wrote:
> Congrats to the launch/recovery team for a 'job'
> well done. Sorry I had
> to miss it.
>
> Stephanie

_____
Do You Yahoo!?
Yahoo! Health - Feel better, live better
http://health.yahoo.com

3438. Record Submissions for Flight TV02D

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-05 05:50:19 UTC
From: Jeff Melanson
Topic: 3438 Message: 3438
Attachments: 1 described; binary payloads are missing from this source WARC

Hi Ralph,

I have several record submissions for this flight for your
consideration.

Here's the basic information for all the record submissions:

Group
Treasure Valley Near Space Program (TVNSP)

Contact
Jeff Melanson kd7inn@...

Web Page
http://www.voiceofidaho.org/tvnsp/

Mission ID
TV02D

Date and Time of release
Aug. 3rd 2002, 10:51 am Mountain time

Envelope Model
Kaymont KCI 200

Payload Weight and Capabilities
2.3 pounds. This capsule contained the following. GPS 35,
Tiny Track II, Alinco DJ-S11T, Twin lead J-pole antenna.
Transmission rate every 21 seconds.

Free Lift
3 pounds.

Ascent rate
1567.4 fpm

Maximum Altitude ASL
52,539 ft.

Ground Track Distance
42.9 miles.
Two battery packs each with 4 AA NiMH.

These are the categories we believe that we qualify for:

Lowest Reported Maximum Altitude
52,539 feet.

Highest Continuous Ascent Rate
1567.4 fpm averaged over 10,000 ft.
First time stamp 17:10:36 Altitude 30,611 ft.
Second time stamp 17:17:10 Altitude 40,916 ft.
10,305 ft/6.57 min = 1567.4 fpm

Shortest Great Circle Distance, Release to Touchdown
42.9 miles

Lightest Payload
2.3 pounds

Touchdown Prediction closest to Actual Coordinates.
Randy sent you a prediction before launch.

3439. Tiny Trak II schematic?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-05 14:55:19 UTC
From: kd7pit
Topic: 3439 Message: 3439

Hi all,

I was wondering if anyone has a nice schematic of the Tiny Trak II that they can send to me? I'm having a difficult time finding one off the internet so I thought maybe someone has one left-over from the kit or on their computer (such as a piture or PDF file.) I'm consulting with a long time friend to help me with the architecture and artwork for a custom board for a future capsule. Thanks for any help!

Also, good flight Saturday, I had a lot of fun. My upper left leg is a little sore though. I guess that's what I get for taking the scenic route to the capsule.

Justin, KD7PIT

3440. Re: [tvnsp] 02D landing spot map

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-05 15:51:17 UTC
From: Randy Farley
Topic: 3415 Message: 3440

Justin got hung up in the western pucker brush (Thorny Russian Olive Bushes) to0 many time i think ;-)

>>> kd7inn@... 08/03/02 09:46PM >>>
I like ballooning but not hiking! How come Justin didn't
beat us to the capsule? He's the youngest and should have
just sprinted over those hills and creeks and fences! Of
course Paul and John the younger have long legs and did
arrive first.

Jeff

Randy Farley wrote:
>
> It is sure neet to see how far the APRS I-Gate system has progressed
> over the years. Now people everywhere can enjoy these events live.
> Hank,glad to see your eagerness to watch us out West. Makes my
> heart all warm and fuzzy knowing people around world may be watching.
> Of course when we screw up, we hope all viewers receive voltage
> spikes at their monitors ;-)
>
> Jeff did a bang up job in preparation for this new type of flight
> package. Just wished mother natures terrain was easier on him and the
> crew.
> I think we ought to enter one of them "extremist sports" TV
> shows,maybe call it "Extremist Balloong". Whadya think Jeff ;-)
>
> Hank Riley wrote:
> >
> > This is in two scales for clarity. The landing was just
> > south of Midvale.
> >
> > The 5k feet last APRS igated position was exactly at
> > the junction of Pole and Deep Creeks that flow into the
> > Weiser River. The actual landing is close enough to the
> > 5k position that I skipped plotting it separately.
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> > Note the big powerline just to the east!!!! Whoah.
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> > Chat with friends online, try MSN Messenger: http://messenger.msn.com
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> Regards,
>
> Randy Farley
> N7GPS -Ham Call-
> My QTH at: http://map.findu.com/n7gps
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3441. Re: [tvnsp] 02D landing spot map

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-05 16:19:34 UTC
From: John Knapp
Topic: 3415 Message: 3441

And how about Paul's change in his facial features. I
bet he will remember his hike for a while.....

JohnK

--- Randy Farley <rfarley@...> wrote:
> Justin got hung up in the western pucker brush
> (Thorny Russian Olive Bushes) to0 many time i think
> ;-)
>
> >>> kd7inn@... 08/03/02 09:46PM >>>
> I like ballooning but not hiking! How come Justin
> didn't
> beat us to the capsule? He's the youngest and should
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> just sprinted over those hills and creeks and
> fences! Of
> course Paul and John the younger have long legs and
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> arrive first.
>
> Jeff
>
> Randy Farley wrote:
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> > over the years. Now people everywhere can enjoy
> these events live.
> > Hank,glad to see your eagerness to watch us out
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> > shows,maybe call it "Extremist Balloong". Whadya

> think Jeff ;-)
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> > Hank Riley wrote:
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> enough to the
> > > 5k position that I skipped plotting it
> separately.
> > >
> > > Note the big powerline just to the east!!!!
> Whoah.
> > >
> > > Hank
> > >
> > >
>

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> > >
>

> > > Name: TVNSP02Dmap.gif
> > > TVNSP02Dmap.gif Type: GIF Image
> (image/gif)
> > > Encoding: base64
> >
> > --
> > Regards,
> >
> > Randy Farley
> > N7GPS -Ham Call-

> > My QTH at: http://map.findu.com/n7gps
> > Find Me Mobile at: http://map.findu.com/n7gps-9
> >
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http://health.yahoo.com

3442. Re: [tvnsp] Flight TV02D a success!

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-05 16:23:29 UTC
From: Randy Farley
Topic: 3419 Message: 3442

Youre heart and soul was there! The over the air road instruction you gave were a big help Stephanie,tnx.

>>> stephanie@... 08/04/02 05:53PM >>>
Congrats to the launch/recovery team for a 'job' well done. Sorry I had
to miss it.

Stephanie

Jeff Melanson wrote:
> Hi all,
>
> I know everyone wants all the details so here is some of it.
> Pictures will follow.
>
> We filled the 200 gram balloon for a Nozzle Lift of 5.3 lbs
> to get a Free Lift of 3 lbs. That's about 5.5 feet in
> diameter according to Liftwin. We did this to try to bring
> the burst altitude down to 41,000 ft. The idea was to
> prevent the capsule from going to far past Weiser. There was
> some discussion about the balloon being to fragile but now
> we know from experience that is is not. We had no problems
> filling and handling the balloon at this diameter.
> Launch time was 10:51 am. It was definitely a hot launch! We
> later calculated the ascent rate at 1350 fpm. Much faster
> than originally predicted (1150 fpm). I was surprised to see
> the altitude reach 52,539 ft! (As per my APRS log). That's a
> bit higher than that balloon was supposed to go! Paul and I
> calculated by hand how high the balloon should go and then
> ran the numbers with Liftwin and both methods showed 47,000
> ft if filled for a free lift of 2 lbs. The change we made to
> 3 lbs should have been 41,000 ft. The balloon just did not
> perform as expected by Kaymont's data. Was this balloon
> different or is the Kaymont data wrong? Since we will be
> flying more of these in the future we will find out.
> The closest we could drive to the landing site was .7 miles.
> I was surprised that we picked up the signal again. With a
> j-pole antenna laying on the ground in this rugged terrain
> and a 340 milliwatt radio it performed really well. We had
> to hike the rugged terrain around hills and through gully's
> and fences. It was said that the creek didn't have much
> water in it. That's true but it was a tough one to cross! At
> the first place we tried I worked my way through the bushes
> and approached the creek to discover a drop off of about 8
> feet! We kept going further downstream (or was it upstream?)
> until we found a spot we could squeeze through. Watch those

> bushes, there sharp! Then up the hill. Only .7 miles? I
> wonder how far we actually hiked. We finally found it on the
> side of a hill down low. It was in good condition. We took
> GPS readings and pictures and drank water and rested. Then
> we had to make the hike back to the vehicles. Whew! More
> water please! We meet at Sizzler and refueled ourselves,
> then headed over to Randy's to look at the data and make
> copy's for everyone.
> The 24 inch parachute form Spectrachutes performed as
> expected. I predicted a descent rate of 1400 fpm. The actual
> rate was 1350. Yes it was the same as the ascent rate.
> This flight meets the criteria for five of Ralph Wallio's
> record categories and I will submit them to him a little
> later. The categories are:
>
> 1) Lowest Reported Maximum Altitude (AGL)
> 2) Highest Continuous Ascent Rate (averaged over >10,000ft)
> 3) Shortest Great Circle Distance, Release to Touchdown (at
> least 50kft maximum altitude ASL)
> 4) Lightest payload
> 5) Touchdown Prediction Closest to Actual Coordinates
>
> Jeff
> KD7INN
>
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>
>
>

--
Stephanie

****

Friends are quiet angels who lift us to our feet when our wings have
trouble remembering how to fly.

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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****

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3443. Re: [tvnsp] 02D landing spot map

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-05 16:41:58 UTC
From: Randy Farley
Topic: 3415 Message: 3443

You sure that wasn't self inflicted ;-) ;-)

>>> kd7hgs@... 08/05/02 10:19AM >>>
And how about Paul's change in his facial features. I
bet he will remember his hike for a while.....

JohnK

--- Randy Farley <rfarley@woodgrain.com> wrote:
> Justin got hung up in the western pucker brush
> (Thorny Russian Olive Bushes) to0 many time i think
> ;-)
>
> >>> kd7inn@earthlink.net 08/03/02 09:46PM >>>
> I like ballooning but not hiking! How come Justin
> didn't
> beat us to the capsule? He's the youngest and should
> have
> just sprinted over those hills and creeks and
> fences! Of
> course Paul and John the younger have long legs and
> did
> arrive first.
>
> Jeff
>
> Randy Farley wrote:
> >
> > It is sure neet to see how far the APRS I-Gate
> system has progressed
> > over the years. Now people everywhere can enjoy
> these events live.
> > Hank,glad to see your eagerness to watch us out
> West. Makes my
> > heart all warm and fuzzy knowing people around
> world may be watching.
> > Of course when we screw up, we hope all viewers
> receive voltage
> > spikes at their monitors ;-)
> >
> > Jeff did a bang up job in preparation for this new
> type of flight
> > package. Just wished mother natures terrain was
> easier on him and the
> > crew.
> > I think we ought to enter one of them "extremist

> sports" TV
> > shows,maybe call it "Extremist Balloong". Whadya
> think Jeff ;-)
> >
> > Hank Riley wrote:
> > >
> > > This is in two scales for clarity. The landing
> was just
> > > south of Midvale.
> > >
> > > The 5k feet last APRS igated position was
> exactly at
> > > the junction of Pole and Deep Creeks that flow
> into the
> > > Weiser River. The actual landing is close
> enough to the
> > > 5k position that I skipped plotting it
> separately.
> > >
> > > Note the big powerline just to the east!!!!
> Whoah.
> > >
> > > Hank
> > >
> > >
>

> > > Chat with friends online, try MSN Messenger:
> http://messenger.msn.com
> > >
> > > To unsubscribe from this group, send an email
> to:
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> > >
>
>

> > > Name: TVNSP02Dmap.gif
> > > TVNSP02Dmap.gif Type: GIF Image
> (image/gif)
> > > Encoding: base64
> >
> > --
> > Regards,
> >

> > Randy Farley
> > N7GPS -Ham Call-
> > My QTH at: http://map.findu.com/n7gps
> > Find Me Mobile at: http://map.findu.com/n7gps-9
> >
> >
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3444. Re: [tvnsp] Re: Thermochron in the capsule.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-05 17:56:06 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3428 Message: 3444

The GPS was a heat source on this flight. The higest recorded
temperature was over 100 deg F.

Paul

> > The lowest temperature recorded was 63.5 degrees.
>
> Very little time to cool down! That might be a record
> if such things were always tracked.
>
>
>
>
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>

3445. Re: [tvnsp] 02D landing spot map

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-05 18:10:33 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3415 Message: 3445

> And how about Paul's change in his facial features. I
> bet he will remember his hike for a while.....
>
> JohnK

I will until the scar heals.

Item for TVNSP chase crews.
Add this to your recovery bags.

One clear face shield, plastic, transparent.

Paul

3446. Re: Thermochron in the capsule.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-05 17:24:23 UTC
From: n1ltv
Topic: 3428 Message: 3446

> The GPS was a heat source on this flight.

I'd expect it and the radio to be heat sources on every flight. Nothing different as far as this flight.

> The higest recorded
> temperature was over 100 deg F.

What was the air temperature at launch? As I remember from the wx forecast I posted, it could have been in the 90's. If the 100 degree reading were early in the flight, that air temp (or the vehicle temp on the ride over) would put the 100 degrees in perspective.

This was not the usual TVNSP crack-o-dawn launch so ground air temperatures had time to creep up.

Where was the thermochron situated? Was it close to or touching the GPS?

Hank

3447. Near Space Calendar

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-05 21:38:23 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3447 Message: 3447

I'd like to get a calendar with near space photos. Walmart and other places make calendars using photos that you give them. Would anyone be interested in ordering a calendar? I'd also like to get photo submissions for the calendar. So if you have a photo that you took that made you proud, please let me know and I'll try to include it. I don't want all photos to be just photos taken from capsules in flight.

Paul

3448. Re: Tiny Trak II schematic?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-06 01:16:36 UTC
From: n1ltv
Topic: 3439 Message: 3448

> I was wondering if anyone has a nice schematic of the Tiny Trak II
> that they can send to me? I'm having a difficult time finding one
> off the internet ....

Justin,

I'm surprised you didn't get dozens and dozens of hits to
the Tiny Trak II website.

http://www.byonics.com

I guess the schematic will be included in the zip file
available there for download. I have that set of files
somewhere but I can't remember what form the schematic
is in.

There is even a yahoogroup devoted to Tini Track complete
with occasional answers from the TT2 designer himself.

Hank

3449. Re: [tvnsp] Tiny Trak II schematic?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-06 04:13:00 UTC
From: Jeff Melanson
Topic: 3439 Message: 3449

Justin,

If your coming to the meeting on Friday I can give you a
schematic. You should also be able to print it from the
internet.

Jeff

kd7pit wrote:
>
> Hi all,
>
> I was wondering if anyone has a nice schematic of the Tiny Trak II
> that they can send to me? I'm having a difficult time finding one
> off the internet so I thought maybe someone has one left-over from
> the kit or on their computer (such as a piture or PDF file.) I'm
> consulting with a long time friend to help me with the architecture
> and artwork for a custom board for a future capsule. Thanks for any
> help!
>
> Also, good flight Saturday, I had a lot of fun. My upper left leg is
> a little sore though. I guess that's what I get for taking the
> scenic route to the capsule.
>
> Justin, KD7PIT
>
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3450. Re: Tiny Trak II schematic?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-06 04:30:47 UTC
From: kd7pit
Topic: 3439 Message: 3450

Thanks. Ya, I will be at the Friday meeting, possibly with my friend who will help me out with my capsule. The only schematics I have found are hand drawn sketches that I couldn't make out (or they used too much electronic jargon thats over my head) and schematics of what the builder did (such as using different variable resisters or caps) and not what the original design was. I downloaded the zip file from Byonics but all I got was a small program to "encode" the TT but no documents. Thought maybe there was a place I could find the info quick. Thanks again

Justin, KD7PIT

3451. Re: [tvnsp] Re: Tiny Trak II schematic?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-06 04:37:27 UTC
From: Jeff Melanson
Topic: 3439 Message: 3451

Justin,

Because I purchased two Tiny Tracks I have two sets of
instructions. I will give you a set this Friday.

Jeff
KD7INN

kd7pit wrote:
>
> Thanks. Ya, I will be at the Friday meeting, possibly with my friend
> who will help me out with my capsule. The only schematics I have
> found are hand drawn sketches that I couldn't make out (or they used
> too much electronic jargon thats over my head) and schematics of what
> the builder did (such as using different variable resisters or caps)
> and not what the original design was. I downloaded the zip file from
> Byonics but all I got was a small program to "encode" the TT but no
> documents. Thought maybe there was a place I could find the info
> quick. Thanks again
>
> Justin, KD7PIT
>
>
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3452. Aug 24th flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-06 04:38:30 UTC
From: Jeff Melanson
Topic: 3452 Message: 3452

TVNSP,

Aug 24th Flight.

This flight will be Paul and Stephanie's capsule's. Paul's capsule will have a tracker and a geiger counter. Stephanies capsule will have a tracker and a camera.

Total payload weight will be 10 pounds.
The balloon is a Kaymont 1500 gram.
Burst Altitude is 93,000 feet.
Ascent rate is 950 fpm.
Descent rate is 1200 fpm.
Free Lift will be 3.5 lbs.
Nozzle lift will be 13.5 lbs.
Time to Burst is 1.6 hrs.
Initial balloon diameter is 8.1 ft.
Burst diameter is 31 ft.

Paul has the 1500 gram balloon on the way. Mike has a partial helium tank. I will pay for another helium tank. Mike, I will drop off the money at Sheehan's this week for our account. We will still need one more tank. Can anyone else help out?

Jeff
KD7INN

3453. Re: [tvnsp] Aug 24th flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-06 04:48:58 UTC
From: Bill Herrmann
Topic: 3452 Message: 3453

At 10:38 PM 8/5/02 -0600, Jeff wrote:
>Mike, I will drop off the money at Sheehan's this week for
>our account. We will still need one more tank. Can anyone
>else help out?

How much is helium and what do we tell them? We can help out with part of the other tank.

Was this the launch that was to be at a different time of the day?

Bill

3454. Re: [tvnsp] Aug 24th flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-06 05:13:03 UTC
From: Jeff Melanson
Topic: 3452 Message: 3454

Hi Bill,

The Sept 7th launch will be at 9:30 am. I'm not sure about
this one. Paul?

One tank of helium is $57.00. This is the educational
discounted price. We tell them it's for "Treasure Valley
Near Space". The word "Program" is chopped off from the
name. It doesn't fit in there computer form. Yes you can
help out with part of a tank. You just put whatever amount
you want on the account.

Jeff
KD7INN

Bill Herrmann wrote:
>
> At 10:38 PM 8/5/02 -0600, Jeff wrote:
> >Mike, I will drop off the money at Sheehan's this week for
> >our account. We will still need one more tank. Can anyone
> >else help out?
>
> How much is helium and what do we tell them? We can help out with part of
> the other tank.
>
> Was this the launch that was to be at a different time of the day?
>
> Bill
>
>
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>
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3455. Re: [tvnsp] Near Space Calendar

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-06 13:23:28 UTC
From: Randy Farley
Topic: 3447 Message: 3455

I would like one. Any idea on cost yet?
Beats looking at the run-of-the-mill calenders out there.

>>> verhap@... 08/05/02 02:38PM >>>
I'd like to get a calendar with near space photos. Walmart and
other places make calendars using photos that you give them.
Would anyone be interested in ordering a calendar? I'd also like to
get photo submissions for the calendar. So if you have a photo
that you took that made you proud, please let me know and I'll try
to include it. I don't want all photos to be just photos taken from
capsules in flight.

Paul

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3456. Re: [tvnsp] Aug 24th flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-06 13:34:00 UTC
From: Doug Rich
Topic: 3452 Message: 3456

Just a thought. If you give the money to the VOI balloon account you might be able to use the deduction on your taxes. The money can be given to Sheehan's via credit card the same day!

Doug W7DVR

At 10:38 PM 8/5/02 -0600, you wrote:
>TVNSP,
>
>Aug 24th Flight.
>
>This flight will be Paul and Stephanie's capsule's. Paul's
>capsule will have a tracker and a geiger counter. Stephanies
>capsule will have a tracker and a camera.
>
>Total payload weight will be 10 pounds.
>The balloon is a Kaymont 1500 gram.
>Burst Altitude is 93,000 feet.
>Ascent rate is 950 fpm.
>Descent rate is 1200 fpm.
>Free Lift will be 3.5 lbs.
>Nozzle lift will be 13.5 lbs.
>Time to Burst is 1.6 hrs.
>Initial balloon diameter is 8.1 ft.
>Burst diameter is 31 ft.
>
>Paul has the 1500 gram balloon on the way. Mike has a
>partial helium tank. I will pay for another helium tank.
>Mike, I will drop off the money at Sheehan's this week for
>our account. We will still need one more tank. Can anyone
>else help out?
>
>Jeff
>KD7INN
>
>
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3457. Re: Record Submissions for Flight TV02D

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-06 13:40:37 UTC
From: Ralph Wallio, W0RPK
Topic: 3438 Message: 3457

Jeff,

Well done! Thanks for submitting several entries for our collective record.
My regards to the entire TVNSP Team.

--Lowest Reported Maximum Altitude--
This record category is AGL, Above Ground Level. DTED ground elevation ASL
at burst coordinates was 666m (2185ft) which I subtracted from GPS
altitude and posted a record entry of 50,354ft.

--Highest Continuous Ascent Rate--
This is tricky. TV02D telemetry does not have time stamps and GPS altitude
reported in meters is converted to feet before transmission. Time
calibration can only come from mobile $GPGGA/$GPRMC data embedded before and
after TV02D telemetry.

Just before launch, 164911z-65119z, there were 15 stationary $GPGGA fixes
when reported altitude varied 780.9-784.2m (2562-2573ft) [vehicle assumed to
not be in unstable levitation]. During the same interval payload reported
altitude was a constant 2555ft. It appears payload software is using
integer math with inherent truncating errors.

To be fair, these uncertainties cause me to use times of the last
$GPGGA/$GPRMC frame before the starting altitude and of the first
$GPGGA/$GPRMC frame after the ending altitude:

$GPRMC,171048,A,4358.907,N,11710.629,W,050.3,090.5,030802,016.3,E*67
KD7INN-11>APT202,WIDE3-3:!4407.35N/11715.98WO059/040/A=030611

KD7INN-11>APT202,WIDE3-1:!4411.06N/11709.03WO051/079/A=040916
$GPGGA,171735,4359.329,N,11702.996,W,1,08,1.3,683.4,M,-18.4,M,,*75

Altitude difference, 10,305ft, over time difference, 6:47, gives
1,519ft/min.

--Shortest Great Circle Distance, Release to Touchdown--
Launch:
KD7INN-11>APT202,WIDE3-3:!4401.43N/11724.05WO000/000/A=002555
Touchdown:
KD7INN-11>APT202,WIDE3-3:!4425.89N/11644.87WO000/000/A=002657/TinyTrakII

Posted great circle distance = 42.9 miles

--Lightest Payload--
Posted 2.3 pounds.

--Touchdown Prediction Closest to Actual Coordinates--
This one for Randy Farley, N7GPS

Prediction: 44.2972 -116.8679
Actual: 4425.89N/11644.87W

Posted error of 11.02 miles

TNX es 73 de Ralph Wallio, W0RPK
wallio@...
http://members.crosspaths.net/wallio
Amateur Radio High Altitude Ballooning Records
Our Collective State-of-the-Art

3458. [tvnsp] Re: Record Submissions for Flight TV02D

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-06 14:45:25 UTC
From: Randy Farley
Topic: 3438 Message: 3458

Ralph

I would like to take the credit for this record, but it was calculated by Jeff.
He used my facilities to do the calculations before the team went to the actual
launch site. We just used my email address to send the entries to you.
Just grateful to be part of the team.

Also,i believe my lat/lon for the launch site was off by .1 to .2 of a mile
in my Balloon Track program. Probably close enough for "horse shoes,"
however not sure for "hand grenade" carrying balloons ;-)
Not sure if Jeff noticed that or not. I caught it after we got home from flight
later in the evening.

Ralph, thanks for taking the time to calculate and post our record attempts.

--Touchdown Prediction Closest to Actual Coordinates--
This one for Randy Farley, N7GPS

Prediction: 44.2972 -116.8679
Actual: 4425.89N/11644.87W

Posted error of 11.02 miles

TNX es 73 de Ralph Wallio, W0RPK
wallio@...
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3459. Re: [tvnsp] Re: Record Submissions for Flight TV02D

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-06 16:31:04 UTC
From: Ralph Wallio, W0RPK
Topic: 3438 Message: 3459

Listing changed to include Jeff. -w0rpk

----- Original Message -----
From: Randy Farley
To: tvnsp@yahoogroups.com
Sent: Tuesday, August 06, 2002 9:45 AM
Subject: [tvnsp] Re: Record Submissions for Flight TV02D

Ralph

I would like to take the credit for this record, but it was calculated by Jeff. He used my facilities to do the calculations before the team went to the actual launch site. We just used my email address to send the entries to you.
Just grateful to be part of the team.

Also,i believe my lat/lon for the launch site was off by .1 to .2 of a mile in my Balloon Track program. Probably close enough for "horse shoes," however not sure for "hand grenade" carrying balloons ;-)
Not sure if Jeff noticed that or not. I caught it after we got home from flight later in the evening.

Ralph, thanks for taking the time to calculate and post our record attempts.

3460. Re: [tvnsp] Re: Tiny Trak II schematic?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-06 18:40:34 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3439 Message: 3460

I can shoot a PCB for your TT-2. You'll have to buy a programmed
PIC from Byonics.

Paul

> Thanks. Ya, I will be at the Friday meeting, possibly with my friend
> who will help me out with my capsule. The only schematics I have
> found are hand drawn sketches that I couldn't make out (or they used
> too much electronic jargon thats over my head) and schematics of what
> the builder did (such as using different variable resisters or caps)
> and not what the original design was. I downloaded the zip file from
> Byonics but all I got was a small program to "encode" the TT but no
> documents. Thought maybe there was a place I could find the info
> quick. Thanks again
>
> Justin, KD7PIT
>
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3461. Re: [tvnsp] Aug 24th flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-06 18:42:08 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3452 Message: 3461

Bruneau Dunes is paying $100 for the helium, so we'll still need to
buy a balloon. Can someone purchase the balloon?

Paul

> Paul has the 1500 gram balloon on the way. Mike has a
> partial helium tank. I will pay for another helium tank.
> Mike, I will drop off the money at Sheehan's this week for
> our account. We will still need one more tank. Can anyone
> else help out?
>
> Jeff
> KD7INN
>
>
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> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>

3462. Re: [tvnsp] Aug 24th flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-06 18:43:23 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3452 Message: 3462

> How much is helium and what do we tell them? We can help out with part of
> the other tank.

Helium is $57 a tank. Tell Sheehans, on Century Drive, that you'd
like to add money to the Treasure Valley Near Space account.

Paul

3463. Re: [tvnsp] Aug 24th flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-06 18:44:38 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3452 Message: 3463

> The Sept 7th launch will be at 9:30 am. I'm not sure about
> this one. Paul?

9:30 if the winds cooperate. We need to have the balloon filled earlier and will launch earier, if the winds start acting up.

Paul

3464. Re: [tvnsp] Aug 24th flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-06 18:32:26 UTC
From: John Knapp
Topic: 3452 Message: 3464

Deb is going to put some money into the account
sometime this afternoon.

JohnK
KD7HGS

--- verhap@... wrote:
> > How much is helium and what do we tell them? We
> can help out with part of
> > the other tank.
>
> Helium is $57 a tank. Tell Sheehans, on Century
> Drive, that you'd
> like to add money to the Treasure Valley Near Space
> account.
>
> Paul
>

Do You Yahoo!?
Yahoo! Health - Feel better, live better
http://health.yahoo.com

3465. Re: [tvnsp] Aug 24th flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-06 18:39:36 UTC
From: Stephanie Steele
Topic: 3452 Message: 3465

Did everyone miss Doug's message about running the money through the VOI account so you can use it as a tax write off?

Stephanie

John Knapp wrote:
> Deb is going to put some money into the account
> sometime this afternoon.
>
> JohnK
> KD7HGS
>
> --- verhap@... wrote:
>
>>>How much is helium and what do we tell them? We
>>
>>can help out with part of
>>
>>>the other tank.
>>
>>Helium is $57 a tank. Tell Sheehans, on Century
>>Drive, that you'd
>>like to add money to the Treasure Valley Near Space
>>account.
>>
>>Paul
>>
>
>
>
> _____
> Do You Yahoo!?
> Yahoo! Health - Feel better, live better
> http://health.yahoo.com
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
>

>

--
Stephanie

****

Friends are quiet angels who lift us to our feet when our wings have
trouble remembering how to fly.

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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3466. Stephanie's Capsule

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-06 20:50:16 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3452 Message: 3466

Stephanie, when and where can I get with you? I'll need your capsule to load the camera and to make its cable.

Paul

3467. QST and U of I

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-06 21:41:52 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3467 Message: 3467

> The GPSL piece you wrote up and posted was very good and
> answered a lot of the basic questions.

Thanks, I've rewritten parts of it based on inputs and my rereading.
I was notified that QST has received the article. I'm waiting to hear
if they will accept it for publication.

> Wondering if you have sent anything smaller to QST along
> the way.

No I haven't. I am too busy trying to get my sundial class, book
written, next flight ready, present to NHABG, and arranging to
transport cosmic ray telescope mirrors to Boise to do any more.

Hank, do you want to put something together?

This reminds me, U of I in Moscow (Idaho, not Russia) is looking at
starting a balloon program. It would be supported by the Idaho
Space Grant and is planned to be an entire course at the
university. Eventaully they hope to test satellites.

I offered TVNSP help (I knew you wouldn't mind). We may get
some visitors (so everyone look sharp) to a launch or be asked to
present on amateur near space. Along with giving classes (where
you have to put together notes) and preparing your notes for
publication in ATV (as I know you all are planning), we should also
be ready to complile them into a booklet that can be given to U of I.

Do I need to crack the whip anymore? (and you thought this was
fun!).

This is just a head's up, so to speak. We may be helping our
second universirty get their balloon program started. Dr. Atkinson
is definitely interested in what we do. And since we're so close
and have so much experence, I think we are the logical group for
them to ask for help. Dr. Atkinson will not be back in Idaho until
late August, so not much will happen until then. We have some
breathing space. The Space Grant has been notified about the
program. Dr. Atkinson asked me if we really reached 94,000 feet
on our balloons. I told him the highest one of our balloons reached
was 114,600 feet. I forgot to mention that BOI reached 118,000
feet. Of course I won't mention that we didn't get the balloon back
(but that's a trivial issue, since we know how to prevent that from
happening again).

Paul "Il Duce" Verhage

3468. Re: QST and U of I

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-06 20:53:03 UTC
From: n1ltv
Topic: 3467 Message: 3468

>I was notified that QST has received the article. I'm waiting to
>hear if they will accept it for publication.
>
> > Wondering if you have sent anything smaller to QST along
> > the way.
>
> No I haven't. I am too busy trying to get my sundial class, book
> written, next flight ready, present to NHABG, and arranging to
> transport cosmic ray telescope mirrors to Boise to do any more.
>
> Hank, do you want to put something together?

I do **only** in the sense that I'll do this if it otherwise
wouldn't get done. The logical choice is someone who
was there, but now that there are these accounts, the most
comprehensive from you but from others as well, I have something
on which to base a shorter item.

I'll probably end up by picking stuff from what you've done
(not word for word) and crediting you for the basic source
information.

Hank

3469. press for GPSL2002 and 2003

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-06 21:02:24 UTC
From: n1ltv
Topic: 3467 Message: 3469

Paul,

I'd like to reiterate that I think it would be highly beneficial that some planning go into getting a proper post event press release written for GPSL2003.

This did not happen this year for GPSL2002 and it seems like it would be simple enough to do. A few paragraphs about balloons launched and attendance, together with a small selection of photographs.

As far as I can tell QST and I still do not know which of the many (a good thing) photos taken of GPSL2002 are cleared for publication.

This press release creation and coordination is properly a function of the event organizers, and is not nearly as well done afterward on a catch as catch can basis as we are presently finding ourselves doing.

It's better late than never, but I'm just pleading for this to receive some of the attention it deserves next year ahead of time when it should be easier to implement.

Hank

3470. Re: QST and U of I

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-06 21:06:37 UTC
From: n1ltv
Topic: 3467 Message: 3470

> Do I need to crack the whip anymore?

Sometimes it's good to **uncrack the whip**. What I mean
by that is take a few less items and get them done well.

To me the TVNSP schedule might be too crowded as it stands.

3471. Re: [tvnsp] Stephanie's Capsule

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-06 22:20:27 UTC
From: Stephanie Steele
Topic: 3452 Message: 3471

Hi Paul,

I have some time tomorrow evening or on the 14th or 15th or the 22nd or 23rd. I don't care where we meet. I don't have much room to work at my house so you name it.

Stephanie

verhap@... wrote:
> Stephanie, when and where can I get with you? I'll need your
> capsule to load the camera and to make its cable.
>
> Paul
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
>
>

--
Stephanie

****

Friends are quiet angels who lift us to our feet when our wings have trouble remembering how to fly.

****

"They that can give up essential liberty to obtain a little temporary safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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3472. Re: [tvnsp] Stephanie's Capsule

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-06 22:44:11 UTC
From: .
Topic: 3452 Message: 3472

[Body unavailable in the source archive]

3473. [tvnsp] Tiny Trak IRel schematic?:

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-06 23:01:35 UTC
From: .
Topic: 3473 Message: 3473

Hi Dad

I don't know what this is, But I will let you figure it out. Hope you enjoy it. Love ya Becky

3474. Tiny Trak II schematic is at TT2 website

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-06 23:23:06 UTC
From: n1ltv
Topic: 3439 Message: 3474

> I downloaded the zip file from
> Byonics but all I got was a small program to "encode" the TT but no
> documents.

Justin,

I don't know what you downloaded, but I just went to

http://www.byonics.com

and downloaded a beautiful pdf file that is a TT user
manual complete with parts list, photos of the board,
and a **machine drawn schematic**. This was in a zip file
that contained the PIC code too.

I will have to say the schematic is somewhat coarse when
you use the Acrobat viewer to make the diagram fill the
entire computer screen, but it's perfectly legible (looks
like the conversion of the schematic to pdf was not done
exactly right).

I'll try to neaten it up and email it to you or post it
to TVNSP list.

Hank

3475. Tiny Trak II schematic as gif file

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-07 00:47:57 UTC
From: Hank Riley
Topic: 3475 Message: 3475
Attachments: 1 described; binary payloads are missing from this source WARC

This is an enlarged and relabelled version of the pdf TT2
manual schematic. The resistors should be redone for it
to look perfect.

Hank

____
Chat with friends online, try MSN Messenger: http://messenger.msn.com

3476. Re: Stephanie's Capsule

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-07 01:13:39 UTC
From: pverhage1960
Topic: 3452 Message: 3476

Where do you want to meet tomorrow?

Paul

--- In tvnsp@y..., Stephanie Steele <stephanie@k...> wrote:
> Hi Paul,
>
> I have some time tomorrow evening or on the 14th or 15th or the
22nd or
> 23rd. I don't care where we meet. I don't have much room to work at
my
> house so you name it.
>
> Stephanie
>
>
> verhap@o... wrote:
> > Stephanie, when and where can I get with you? I'll need your
> > capsule to load the camera and to make its cable.
> >
> > Paul
> >
> >
> > To unsubscribe from this group, send an email to:
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> >
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http://docs.yahoo.com/info/terms/
> >
> >
> >
> >
>
>
> --
> Stephanie
>
> ********************************
>
> Friends are quiet angels who lift us to our feet when our wings
have
> trouble remembering how to fly.
>

> ********************************
>
> "They that can give up essential liberty to obtain a little
temporary
> safety deserve neither liberty nor safety."
>
> Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11,
1773.
>
> "Those who desire to give up freedom in order to gain security will
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> have, nor do they deserve, either one."
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> President Thomas Jefferson.
> 1743-1826
>
> ********************************
>
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use
> it and highly recommend it as a safe and reliable means to conduct
> business. By using the link below we both will receive a $5 sign up
bonus.
>
> https://www.paypal.com/refer/pal=kc7dba%40arrl.net
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3477. Re: [tvnsp] Aug 24th flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-07 01:43:24 UTC
From: Jeff Melanson
Topic: 3452 Message: 3477

Doug,

Who do I see or how do I go about getting the money to VOI?
The next meeting is after the next two launches. Can it be
done with a credit card and a phone call? If you plan on
coming to the next TVNSP meeting this Friday I can give you
a check.

Jeff
KD7INN

Doug Rich wrote:
>
> Just a thought. If you give the money to the VOI balloon
> account you might be able to use the deduction on your
> taxes. The money can be given to Sheehan's via credit card
> the same day!
>
> Doug W7DVR
>
> At 10:38 PM 8/5/02 -0600, you wrote:
>
> > TVNSP,
> >
> > Aug 24th Flight.
> >
> > This flight will be Paul and Stephanie's capsule's.
> > Paul's
> > capsule will have a tracker and a geiger counter.
> > Stephanies
> > capsule will have a tracker and a camera.
> >
> > Total payload weight will be 10 pounds.
> > The balloon is a Kaymont 1500 gram.
> > Burst Altitude is 93,000 feet.
> > Ascent rate is 950 fpm.
> > Descent rate is 1200 fpm.
> > Free Lift will be 3.5 lbs.
> > Nozzle lift will be 13.5 lbs.
> > Time to Burst is 1.6 hrs.
> > Initial balloon diameter is 8.1 ft.
> > Burst diameter is 31 ft.
> >
> > Paul has the 1500 gram balloon on the way. Mike has a
> > partial helium tank. I will pay for another helium tank.
> > Mike, I will drop off the money at Sheehan's this week

> > for
> > our account. We will still need one more tank. Can
> > anyone
> > else help out?
> >
> > Jeff
> > KD7INN
> >
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3478. Re: Tiny Trak II schematic is at TT2 website

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-07 01:48:53 UTC
From: kd7pit
Topic: 3439 Message: 3478

Thanks Hank, what you sent will work great. I'll try later to re-download the TT zip file and see if I receive a "full" file. Thanks again.

Justin, KD7PIT

3479. Re: [tvnsp] Aug 24th flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-07 02:08:27 UTC
From: Jeff Melanson
Topic: 3452 Message: 3479

Yes, and I have asked Doug how to do this. I hope the
process is not to difficult. Since we don't have a meeting
for a while I don't know how to get the money into the VOI
account. I'm just a newbe!

Jeff
KD7INN

Stephanie Steele wrote:
>
> Did everyone miss Doug's message about running the money through the VOI
> account so you can use it as a tax write off?
>
> Stephanie
>
> John Knapp wrote:
> > Deb is going to put some money into the account
> > sometime this afternoon.
> >
> > JohnK
> > KD7HGS
> >
> > --- verhap@... wrote:
> >
> >>>How much is helium and what do we tell them? We
> >>
> >>can help out with part of
> >>
> >>>the other tank.
> >>
> >>Helium is $57 a tank. Tell Sheehans, on Century
> >>Drive, that you'd
> >>like to add money to the Treasure Valley Near Space
> >>account.
> >>
> >>Paul
> >>
> >
> >
> >
> > _____
> > Do You Yahoo!?
> > Yahoo! Health - Feel better, live better
> > http://health.yahoo.com
> >

> >
> > To unsubscribe from this group, send an email to:
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> >
> > Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
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>
> --
> Stephanie
>
> ******************************
>
> Friends are quiet angels who lift us to our feet when our wings have
> trouble remembering how to fly.
>
> ******************************
>
> "They that can give up essential liberty to obtain a little temporary
> safety deserve neither liberty nor safety."
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> Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.
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> "Those who desire to give up freedom in order to gain security will not
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3480. Re: [tvnsp] Aug 24th flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-07 03:19:52 UTC
From: Jeff Melanson
Topic: 3452 Message: 3480

These are two different events. For the Aug 24th flight we
need the helium. For the Sept 7th flight Bruneau Dunes is
paying the $100 for the helium. The balloon for the Aug 24th
flight is on the way. We still need a balloon for the Sept
7th flight.

Jeff
KD7INN

verhap@... wrote:
>
> Bruneau Dunes is paying $100 for the helium, so we'll still need to
> buy a balloon. Can someone purchase the balloon?
>
> Paul
>
> > Paul has the 1500 gram balloon on the way. Mike has a
> > partial helium tank. I will pay for another helium tank.
> > Mike, I will drop off the money at Sheehan's this week for
> > our account. We will still need one more tank. Can anyone
> > else help out?
> >
> > Jeff
> > KD7INN
> >
> >
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3481. Re: [tvnsp] Aug 24th flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-07 03:22:16 UTC
From: Jeff Melanson
Topic: 3452 Message: 3481

Paul,

The question I was trying to ask is what time are we
launching the Aug 24th flight?

Jeff
KD7INN

verhap@... wrote:
>
> > The Sept 7th launch will be at 9:30 am. I'm not sure about
> > this one. Paul?
>
> 9:30 if the winds cooperate. We need to have the balloon filled
> earlier and will launch earier, if the winds start acting up.
>
> Paul
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

3482. Re: [tvnsp] Long range.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-07 03:41:10 UTC
From: Jeff Melanson
Topic: 3435 Message: 3482

Craig,

Do you happen to still have the records of the 6 RF hits you
recieved from TV02D? If you do I would like to submit them
to Ralph Wallio for the following category:

Greatest Telemetry Downlink Reception Range
Range calculated between GPS derived payload coordinates and
observer coordinates. Proof of communications or telemetry
reception and evaluation as well as payload and observer
coordinates required.

Thanks,
Jeff
KD7INN

"Ralph Wallio, W0RPK" wrote:
>
> Please submit this for our records if required evidence is available. -w0rpk
>
> ----- Original Message -----
> From: "Jeff Melanson" <kd7inn@...>
> To: <tvnsp@yahoogroups.com>
> Sent: Sunday, August 04, 2002 22:30 PM
> Subject: [tvnsp] Long range.
>
> >
> >
> > Craig Brunson wrote:
> >
> > > Sounds like you had a great
> > > flight. I saw about 6 hits via rf over here in Hillsboro.
> > >
> > > 73
> > > Craig
> > > N7TSZ
> >
> > According to Street Atlas that would be about 313 miles line
> > of sight. The capsule has a J-pole antenna made out of twin
> > lead that hangs upside down. I built it from the
> > instructions on this link.
> >
> > http://www.n6mrx.com/Antenna/Pocket%20J-Pole.htm
> >
> > The radio is a 340 milliwatt Alinco DJ-S11T.
> >

> > Jeff
> > KD7INN
>

3483. VOI account? Re: [tvnsp] Aug 24th flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-07 05:02:33 UTC
From: Bill Herrmann
Topic: 3452 Message: 3483

At 07:34 AM 8/6/02 -0600, you wrote:
>Just a thought. If you give the money to the VOI balloon account you
>might be able to use the deduction on your taxes. The money can be given
>to Sheehan's via credit card the same day!

I'd be glad to - just need to know how to get it there. (Unlike Jeff I won't be at Friday's meeting so I can't bring a check there.)

Note: I was unable to find an address on the VOI pages except in the membership application. That says PO Box 812, Boise, ID 83701 and also says allow 2-4 weeks for processing. Clearly we want the helium $$$$ to get processed a little faster than that.

Bill

p.s. Still interested in where/when the flight is going up. I may not be able to provide much more than moral support, but... (PAL Soccer didn't coordinate their soccer schedule with my other activities very well!)

3484. Re: [tvnsp] Aug 24th flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-07 07:03:44 UTC
From: Stephanie Steele
Topic: 3452 Message: 3484

Doug said just send the donation to VOI and mark it for the balloon
fund. Then contact him to pay the money onto the helium account at
Sheehans.

Stephanie

Jeff Melanson wrote:
> Yes, and I have asked Doug how to do this. I hope the
> process is not to difficult. Since we don't have a meeting
> for a while I don't know how to get the money into the VOI
> account. I'm just a newbe!
>
> Jeff
> KD7INN
>
> Stephanie Steele wrote:
>
>>Did everyone miss Doug's message about running the money through the VOI
>>account so you can use it as a tax write off?
>>
>>Stephanie
>>
>>John Knapp wrote:
>>
>>>Deb is going to put some money into the account
>>>sometime this afternoon.
>>>
>>>JohnK
>>>KD7HGS
>>>
>>>--- verhap@... wrote:
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>>>>How much is helium and what do we tell them? We
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>>>>can help out with part of
>>>>
>>>>
>>>>the other tank.
>>>>
>>>>Helium is $57 a tank. Tell Sheehans, on Century
>>>>Drive, that you'd
>>>>like to add money to the Treasure Valley Near Space
>>>>account.
>>>>

>>>>Paul
>>>>
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>>>
>>>
>>>_____
>>>Do You Yahoo!?
>>>Yahoo! Health - Feel better, live better
>>>http://health.yahoo.com
>>>
>>>
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>>--
>>Stephanie
>>
>>*********
>>
>>Friends are quiet angels who lift us to our feet when our wings have
>>trouble remembering how to fly.
>>
>>*********
>>
>>"They that can give up essential liberty to obtain a little temporary
>>safety deserve neither liberty nor safety."
>>
>>Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.
>>
>>"Those who desire to give up freedom in order to gain security will not
>>have, nor do they deserve, either one."
>>
>>President Thomas Jefferson.
>> 1743-1826
>>
>>*********
>>
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>>it and highly recommend it as a safe and reliable means to conduct
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>>https://www.paypal.com/refer/pal=kc7dba%40arrl.net

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3485. Re: [tvnsp] QST and U of I

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-07 15:05:34 UTC
From: Randy Farley
Topic: 3467 Message: 3485

verhap@... 08/06/02 02:41PM

Now your making me feel re....al guilty.
U of I is my old Alma Mater. The vast rolling hills of the "Palouse" wheat fields could be another interesting terrain to chase balloons on.

Be Glad to help if the time is right. The drive from our area is about 5.5 hours via the improved highway 95 goat trail. Was up their last summer for company business. Nice scenic route for newbies.

Will my 60's tie dye shirts or 70's bell bottoms be appropiate attire ;-)

wrote:

This reminds me, U of I in Moscow (Idaho, not Russia) is looking at starting a balloon program. It would be supported by the Idaho Space Grant and is planned to be an entire course at the university. Eventaully they hope to test satellites.

I offered TVNSP help (I knew you wouldn't mind). We may get some visitors (so everyone look sharp) to a launch or be asked to present on amateur near space. Along with giving classes (where you have to put together notes) and preparing your notes for publication in ATV (as I know you all are planning), we should also be ready to complile them into a booklet that can be given to U of I.

Do I need to crack the whip anymore? (and you thought this was fun!).

This is just a head's up, so to speak. We may be helping our second universirty get their balloon program started. Dr. Atkinson is definitely interested in what we do. And since we're so close and have so much experence, I think we are the logical group for them to ask for help. Dr. Atkinson will not be back in Idaho until late August, so not much will happen until then. We have some breathing space. The Space Grant has been notified about the program. Dr. Atkinson asked me if we really reached 94,000 feet on our balloons. I told him the highest one of our balloons reached was 114,600 feet. I forgot to mention that BOI reached 118,000 feet. Of course I won't mention that we didn't get the balloon back (but that's a trivial issue, since we know how to prevent that from happening again).

Paul "Il Duce" Verhage

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3486. Re: [tvnsp] Aug 24th flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-07 20:12:16 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3452 Message: 3486

> These are two different events. For the Aug 24th flight we
> need the helium. For the Sept 7th flight Bruneau Dunes is
> paying the $100 for the helium. The balloon for the Aug 24th
> flight is on the way. We still need a balloon for the Sept
> 7th flight.

The 1500 gram balloon arrived yesterday. I have it at home. We
can get by with a 1000 gram balloon for September, it that will
help. We'll need helium and a balloon for the early October, early
flight. I'll buy a 200 gram balloon for the late October flights and
there should be enough helium left over for Jeff's and mine trackers.

I'm willing to buy another 1500 gram balloon for the October flight,
so we just need to reserve some helium.

Paul

3487. Re: [tvnsp] Aug 24th flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-07 20:14:01 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3452 Message: 3487

> The question I was trying to ask is what time are we
> launching the Aug 24th flight?

It's going to be a 1500 gram balloon, so I'd like to launch at sunrise. Would a 6:00 AM flight work for everyone?

I have to wind the new winders yet. The first lanyard will be the typical lanyard. The second lanyard will be cut, rather than having it's loop pass through the balloon ring.

Paul

3488. ISP Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-07 20:16:54 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3435 Message: 3488

Can we put a simplex repeater on the ATV flight? I'm wondering about sending up some QSL cards for people who work the repeater. If that's going to create a problem with either weight or RFI, then perhaps we can send QSL cards to anyone who sends proof of reception of a packet from the flight. The QSL cards should be sent up on the balloon. Perhaps we could make mini-QSL cards to save weight.

Ideas?
Inputs?

Paul?

3489. NWAPRS Summer Gathering Info

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-07 19:17:57 UTC
From: Stephanie Steele
Topic: 3324 Message: 3489

I drafted a real work of art for your reading pleasure yesterday, and upon penning a signature managed some fancy key combo that deleted the masterpiece. Bummer. This time I'll try to be brief.....

As prevsiously mentioned, the annual NWAPRS Summer Gathering will convene Sept. 6-8 at the VaLLLey Camp in North Bend, WA. The location is on the east side of Puget Sound WA, and just north of I-90. The nwaprs.org web pages have summaries of previous meetings, and directions how to get there. I will update those upon my return from vacation in AZ.

This is truly THE APRS EVENT of the northwest, and I encourage to break away from whatever ties you down and join us for a weekend of fun time with APRS and fellowship. Our sponsors, Thom and Tina Proehl, are waiting to take your RSVP. Don't forget to mention what accommodations you need (tent space, camper/RV w or w/o hookup space, bunk room, etc). There is a motel just down the road for those who desire those accommodations. The camp provides excellent opportunities for walking and playing. There is plenty of room for any sporting event. Families are encouraged to come.

There will be food..... if you bring it. We encourage attendees to bring a couple side dishes to share in our meals together. We'll have the grills going Friday night, and Sat. lunch and dinner. The frying pans will be hot Sat and Sun breakfast. I'll provide the pancakes, you bring your eggs and sausage/bacon. Breakfast will follow Bill Nadwornick's award-winning morning exercise program that will commence precisely at 0600 Sat and Sun mornings. You won't want to miss out this sensational opportunity.

As usual, we'll pass the collection bucket for donations, all of which go to the VaLLLey Camp for their generous hospitality.

Program details will follow later on. Don't let that be the reason whether you come or not. Here's a great opportunity to match callsigns and faces, and join in on some good conversation and time spent with others who we share this interesting hobby.

All for now. The other message (lost) was twice as long, and I need to get ready to take the family out to the AZ Sonoran Desert Museum.... or is it Dessert. Whatever it is, we'll have fun.

Note for Thom/Tina: Please reserve me a camper spot with hookups. I'll be bringing along my new (used) Casita travel trailer.

Hope to see you all there.
David/K7GS

--
Stephanie

****

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trouble remembering how to fly.

****

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3490. (Fwd) Re: [EOSS] Minutes of July EOSS Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-07 20:20:27 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3490 Message: 3490

This is an EOSS minutes report from July. This was their meeting
that I attended.

Paul

------- Forwarded Message Follows -------
To: EOSS@yahoogroups.com
From: Mike Manes <manes@...>
Date sent: Tue, 06 Aug 2002 22:45:22 -0600
Subject: Re: [EOSS] Minutes of July EOSS Meeting
Send reply to: EOSS@yahoogroups.com

[Double-click this line for list subscription options]

Thanks Nick - nicely done!
All in favor say "yup"
Mike

hanksn@... wrote:
>
> Edge of Space Sciences (EOSS)
> Meeting Minutes for 9 July 2002
> Fort Logan Auditorium Meeting Room
>
> The meeting was called to order at 7:02 PM by our President, Mike, W5VSI. He
> conducted around-the-room introductions. There were six members and two
> guests present. The minutes from the June meeting were read by Nick, NØLP,
> and approved with a correction to the checking account balance. On 31 May
> the balance was $285.76. Merle, KØYUK, our treasurer, reported the
> following: as of 30 June 2002: we had $1657.60 in our savings account, the
> amount in our checking account was $27.37, and our CDs were worth $2054.19.
>
> Old Business: Copies of the CD containing the audio transcript of the radio
> program on EOSS produced by Art Wnterbauer on Boulder station KGNU were
> passed. These were prepared by Jim, KØJLZ. He has additional copies if
> anyone is interested.
>
> Cec Girz reported on the GAINS flight out of Tillamook, OR. The flight was
> airborne for 15 hours and 32 minutes. The planned duration was 48 hours, but
> a small leak developed after liftoff. The balloon landed south of The
> Dallas, OR. Cec noted that during the daylight hours the payload internal
> temperature probe recorded temperatures in excess of 50 degrees C. This was
> much higher than had been predicated. The balloon flew at about 55,000 feet
> which was the planned altitude.
>
> KØYUK presented a videotape of EOSS-57 and -58. W5VSI, Marty WAØGEH, and

> Rick, NØKKZ reviewed the Great Plains Super Launch (GPSL) held at Manhattan,
> KS on July 5-6. WAØGEH's presentation on EOSS's track & recovery (T&R)
> techniques went quite well. EOSS seems to be the only ballooning group that
> consistently uses DF'ing in its T&R activities. Interesting to note that the
> last balloon recovered at the GPSL was located by DF'ing on its ATV signal
> after its GPS and/or APRS transmitter failed. The GPSL launch went well, and
> the launch was reported as very, very impressive with all six balloons
> lifting off at the same time. One member described it as "a sight of a
> lifetime."
>
> One of our guests, Paul Verhage, KD4SDH, from the Treasure Valley Near Space
> Program group gave a most interesting presentation on his payload module.
> His design is different from the EOSS's modules and uses a unique 4-cord
> suspension with several payload "ports." He also showed a downward-looking
> photo that had four other balloons in it that was taken from his payload just
> after launch at the GPSL. KD4SDH is writing a book on amateur ballooning
> with a planned publishing date in the fall.
>
> New Business: We are planning to fly the GAINS pump test on EOSS-59 on 17
> August. EOSS-59 is tentatively planned for a 6:30 AM launch. It will be
> followed at 9:00 AM by EOSS-60 with two CU balloon sats as payloads. The
> exact launch site will be determined the week before the flight. Current
> candidates are Meadow Lake Airport east of Colorado Springs and the Akron, CO
> airport. A preflight meeting on EOSS-59 will be held on 10 August at the
> Bemis Public Library in Littleton.
>
> Tentative schedule after 17 August is:
> - EOSS-61/JOTA - 19 October
> - EOSS-62/CU Fall Space Grant - November.
>
> The meeting adjourned at 9:10 PM.
>
> Respectfully Submitted,
> Nick, NØLP
> Secretary
>
> [Non-text portions of this message have been removed]
>
>
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--
Mike Manes manes@attglobal.net Tel: 303-979-4899
"Things should be made as simple as possible, but not more so." A.
Einstein

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3491. Bruneau Dunes

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-07 20:37:20 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3491 Message: 3491

I've reserved a camping site at Bruneau. It's a tent site. If anyone is planning to tent camp at Bruneau, you can use my site, I'll have some extra room.

Paul

3492. MIM

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-07 20:41:17 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3492 Message: 3492

I have four MIM PCBs. I'm using one as a test. If anyone has a MIM that you'd like to mount to a more substantial base, let me know. The PCB provides power to the MIM, easy access to digital and analog ports, and provides optional connections to the ADC for monitoring main power, internal temperautre, and external temperature.

I'm currently working on the documentation, which will eventually find it's way into my book.

I also need a MIM. If you have a spare you could sell, please let me know.

Paul

3493. Cosmic Ray Article

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-07 21:00:32 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3493 Message: 3493

Here's an on-line article about comsic rays and global warming,
something our balloonoing program can amke measurements of.

http://www.spaceref.com/news/viewpr.html?pid=8918

Paul

3494. Re: Tiny Trak II schematic is at TT2 website

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-07 20:26:00 UTC
From: n1ltv
Topic: 3439 Message: 3494

> Thanks Hank, what you sent will work great.

You're welcome, Justin.

> I'll try later to re-
> download the TT zip file and see if I receive a "full" file.

That would be a good idea because there's a parts list
contained in the very complete TT user manual.

Hank

3495. Re: [tvnsp] Re: Stephanie's Capsule

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-07 21:17:54 UTC
From: Stephanie Steele
Topic: 3452 Message: 3495

Like I said, I don't care where we meet. I have some time yet this
evening. If you don't mind working on my messy kitchen table you can
come here or I'll meet you where ever you want.

Stephanie

pverhage1960 wrote:
> Where do you want to meet tomorrow?
>
> Paul
>
> --- In tvnsp@y..., Stephanie Steele <stephanie@k...> wrote:
>
>>Hi Paul,
>>
>>I have some time tomorrow evening or on the 14th or 15th or the
>
> 22nd or
>
>>23rd. I don't care where we meet. I don't have much room to work at
>
> my
>
>>house so you name it.
>>
>>Stephanie
>>
>>
>>verhap@o... wrote:
>>
>>>Stephanie, when and where can I get with you? I'll need your
>>>capsule to load the camera and to make its cable.
>>>
>>>Paul
>>>
>>>
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>>>tvnsp-unsubscribe@e...
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3496. Cybiko Batteries

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-07 22:17:18 UTC
From: Stephanie Steele
Topic: 3496 Message: 3496

Anyone who purchased the Cybiko units and are in need of batteries for them please let me know. Cybiko has told me that they no longer support any of these units for parts or batteries and will not supply any batteries for them. I have found a supplier that has a limited number of the batteries and I have ordered most of what they had. Let me know how many you need. I will put any unsold batteries on Ebay once you all have gotten what you need.

--
Stephanie

****

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3497. Re: [tvnsp] Aug 24th flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-08 01:38:24 UTC
From: Jeff Melanson
Topic: 3452 Message: 3497

What address do I send the check to?

Jeff
KD7INN

Stephanie Steele wrote:
>
> Doug said just send the donation to VOI and mark it for the balloon
> fund. Then contact him to pay the money onto the helium account at
> Sheehans.
>
> Stephanie
>
> Jeff Melanson wrote:
> > Yes, and I have asked Doug how to do this. I hope the
> > process is not to difficult. Since we don't have a meeting
> > for a while I don't know how to get the money into the VOI
> > account. I'm just a newbe!
> >
> > Jeff
> > KD7INN
> >
> > Stephanie Steele wrote:
> >
> >>Did everyone miss Doug's message about running the money through the VOI
> >>account so you can use it as a tax write off?
> >>
> >>Stephanie
> >>
> >>John Knapp wrote:
> >>
> >>>Deb is going to put some money into the account
> >>>sometime this afternoon.
> >>>
> >>>JohnK
> >>>KD7HGS
> >>>
> >>>--- verhap@... wrote:
> >>>
> >>>
> >>>>How much is helium and what do we tell them? We
> >>>>
> >>>>can help out with part of
> >>>>
> >>>>

> >>>>>the other tank.
> >>>>
> >>>>Helium is $57 a tank. Tell Sheehans, on Century
> >>>>Drive, that you'd
> >>>>like to add money to the Treasure Valley Near Space
> >>>>account.
> >>>>
> >>>>Paul
> >>>>
> >>>
> >>>
> >>>
> >>>_____
> >>>Do You Yahoo!?
> >>>Yahoo! Health - Feel better, live better
> >>>http://health.yahoo.com
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3498. Re: [tvnsp] Cybiko Batteries

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-08 01:57:13 UTC
From: Jeff Melanson
Topic: 3496 Message: 3498

Stephanie,

I called Cybiko on Tuesday and I was told that they still
intend to fill the orders but (here's the problem) they
won't have the batteries for a very long time. The company
that they origanally got the batteries from no longer makes
them. They are trying to work out a deal with another
company to manufacture the batteries. By the time they get
more batteries the Cybikos will probably be obselete. What
upsets me is that these units are still under warranty.
Might as well go with another source. I need six batteries.

Jeff
KD7INN

Stephanie Steele wrote:
>
> Anyone who purchased the Cybiko units and are in need of batteries for
> them please let me know. Cybiko has told me that they no longer support
> any of these units for parts or batteries and will not supply any
> batteries for them. I have found a supplier that has a limited number of
> the batteries and I have ordered most of what they had. Let me know how
> many you need. I will put any unsold batteries on Ebay once you all have
> gotten what you need.
>
> --
> Stephanie
>
> ******************************
>
> Friends are quiet angels who lift us to our feet when our wings have
> trouble remembering how to fly.
>
> ******************************
>
> "They that can give up essential liberty to obtain a little temporary
> safety deserve neither liberty nor safety."
>
> Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.
>
> "Those who desire to give up freedom in order to gain security will not
> have, nor do they deserve, either one."
>
> President Thomas Jefferson.
> 1743-1826
>

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3499. Re: [tvnsp] QST and U of I

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-08 03:22:19 UTC
From: Tony Barrett
Topic: 3467 Message: 3499

I visit Moscow (Idaho, not Russia) fairly often as my son and daughter both attend the University of Idaho. My wife's side of the family is from that area too.

If there is anything I can do, please let me know.

73s,

Tony - N7MTZ

At 09:05 AM 8/7/02 -0600, you wrote:

>verhap@... 08/06/02 02:41PM
>
>Now your making me feel re....al guilty.
>U of I is my old Alma Mater. The vast rolling hills of the "Palouse" wheat
>fields
>could be another interesting terrain to chase balloons on.
>
>Be Glad to help if the time is right. The drive from our area is about
>5.5 hours via the improved highway 95 goat trail. Was up their last summer
>for company business. Nice scenic route for newbies.
>
>Will my 60's tie dye shirts or 70's bell bottoms be appropiate attire ;-)
>
>wrote:
>
>This reminds me, U of I in Moscow (Idaho, not Russia) is looking at
>starting a balloon program. It would be supported by the Idaho
>Space Grant and is planned to be an entire course at the
>university. Eventaully they hope to test satellites.
>
>I offered TVNSP help (I knew you wouldn't mind). We may get
>some visitors (so everyone look sharp) to a launch or be asked to
>present on amateur near space. Along with giving classes (where
>you have to put together notes) and preparing your notes for
>publication in ATV (as I know you all are planning), we should also
>be ready to complile them into a booklet that can be given to U of I.
>
>Do I need to crack the whip anymore? (and you thought this was
>fun!).
>
>This is just a head's up, so to speak. We may be helping our
>second universirty get their balloon program started. Dr. Atkinson
>is definitely interested in what we do. And since we're so close
>and have so much experence, I think we are the logical group for

>them to ask for help. Dr. Atkinson will not be back in Idaho until
>late August, so not much will happen until then. We have some
>breathing space. The Space Grant has been notified about the
>program. Dr. Atkinson asked me if we really reached 94,000 feet
>on our balloons. I told him the highest one of our balloons reached
>was 114,600 feet. I forgot to mention that BOI reached 118,000
>feet. Of course I won't mention that we didn't get the balloon back
>(but that's a trivial issue, since we know how to prevent that from
>happening again).
>
>Paul "Il Duce" Verhage
>
>
>
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3500. Re: [tvnsp] Cybiko Batteries

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-08 05:05:17 UTC
From: Bill Herrmann
Topic: 3496 Message: 3500

At 04:17 PM 8/7/02 -0600, you wrote:
>Anyone who purchased the Cybiko units and are in need of batteries for
>them please let me know.

I'd like 3 sets (but I can make do with 2 sets if you run out) from
Stephanie's mobile Garmin/Cybiko warehouse. <grin>

Bill

3501. Recomendations for GPS35 wiring scheme?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-08 05:09:13 UTC
From: Bill Herrmann
Topic: 3467 Message: 3501

I'm finally getting around to wiring up my GPS35 with a plug. Knowing several of you have already done so..

Any recommendations on which signals to put where? It looks like there's 2-3 data receive wires etc.

I was figuring on wiring it with a standard DB9(F I think - never can remember which way IBM screwed that up) and running the power wires out the back of that. Any other trick connection methods I should consider?

Bill

3502. Re: [tvnsp] Aug 24th flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-08 05:16:16 UTC
From: Bill Herrmann
Topic: 3452 Message: 3502

At 01:14 PM 8/7/02 -0700, you wrote:
>It's going to be a 1500 gram balloon, so I'd like to launch at
>sunrise. Would a 6:00 AM flight work for everyone?

I may be able to provide some long distance support for the first part of the flight but won't be able to be home for the whole thing.

>I have to wind the new winders yet. The first lanyard will be the
>typical lanyard. The second lanyard will be cut, rather than having
>it's loop pass through the balloon ring.

One recommendation there - Do not tie the cord off to the winders. That way if all else fails the winders just fall clear.

Rather than cutting the lanyard (or having a loop in the first one) I'd recommend tieing them off to a short length of PVC pipe or wood dowel. (The dowel is probably a better choice do to the less smooth surface.) Use a clove hitch (type of knot) and it can be easily released, but will hold fine. The other option would be to go to a boat store and get a cleat. Place that on a board and you can tie the lanyard to it and release easily.

I'd be glad to show anyone how to tie a clove hitch (they're very simple) but I'm sure there are some illustrated ones on the net. (I won't be there this Friday.)

Bill

3503. Re: [tvnsp] Aug 24th flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-08 07:10:14 UTC
From: Stephanie Steele
Topic: 3452 Message: 3503

How about we just cut both lines like was discussed during at least one
of the meetings. I just can't see putting the launch at risk to save six
inches of string.

Stephanie

Bill Herrmann wrote:
> At 01:14 PM 8/7/02 -0700, you wrote:
>
>>It's going to be a 1500 gram balloon, so I'd like to launch at
>>sunrise. Would a 6:00 AM flight work for everyone?
>
>
> I may be able to provide some long distance support for the first part of
> the flight but won't be able to be home for the whole thing.
>
>
>>I have to wind the new winders yet. The first lanyard will be the
>>typical lanyard. The second lanyard will be cut, rather than having
>>it's loop pass through the balloon ring.
>
>
> One recommendation there - Do not tie the cord off to the winders. That way
> if all else fails the winders just fall clear.
>
> Rather than cutting the lanyard (or having a loop in the first one) I'd
> recommend tieing them off to a short length of PVC pipe or wood dowel. (The
> dowel is probably a better choice do to the less smooth surface.) Use a
> clove hitch (type of knot) and it can be easily released, but will hold
> fine. The other option would be to go to a boat store and get a cleat.
> Place that on a board and you can tie the lanyard to it and release easily.
>
> I'd be glad to show anyone how to tie a clove hitch (they're very simple)
> but I'm sure there are some illustrated ones on the net. (I won't be there
> this Friday.)
>
> Bill
>
>
>
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Stephanie

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President Thomas Jefferson.
1743-1826

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3504. Re: [tvnsp] Recomendations for GPS35 wiring scheme?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-08 07:11:15 UTC
From: Stephanie Steele
Topic: 3467 Message: 3504

Courtesy of Jeff:

Here's the answer for the GPS wiring question.
TXD1 - White wire from GPS35 to pin 2 of the DB9
connector.
Ground - Black wire from GPS35 to pin 6 of the DB9
connector.
The black wire is signal and power ground. You will have to
run this wire to pin 6 and your battery ground.
Power - Red wire to battery plus.

Bill Herrmann wrote:
> I'm finally getting around to wiring up my GPS35 with a plug. Knowing
> several of you have already done so..
>
> Any recommendations on which signals to put where? It looks like there's
> 2-3 data receive wires etc.
>
> I was figuring on wiring it with a standard DB9(F I think - never can
> remember which way IBM screwed that up) and running the power wires out the
> back of that. Any other trick connection methods I should consider?
>
> Bill
>
>
>
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>

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Stephanie

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3505. Re: [tvnsp] Cybiko Batteries

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-08 07:14:32 UTC
From: Stephanie Steele
Topic: 3496 Message: 3505

Hi Jeff,

When I called them today they told me that they have discontinued all hardware support for these units and the newer model too. They said that the company has not produced any units or parts for over one year and do not intend to offer any hardware support now or in the future. I got the support person to admit that the company is for all intents and purposes out of business and will probably drop all support soon. They were not interested in helping me find a source for batteries at all. I agree that this is not right for units still under warranty.

Stephanie

Jeff Melanson wrote:
> Stephanie,
>
> I called Cybiko on Tuesday and I was told that they still
> intend to fill the orders but (here's the problem) they
> won't have the batteries for a very long time. The company
> that they origanally got the batteries from no longer makes
> them. They are trying to work out a deal with another
> company to manufacture the batteries. By the time they get
> more batteries the Cybikos will probably be obselete. What
> upsets me is that these units are still under warranty.
> Might as well go with another source. I need six batteries.
>
> Jeff
> KD7INN
>
> Stephanie Steele wrote:
>
>>Anyone who purchased the Cybiko units and are in need of batteries for
>>them please let me know. Cybiko has told me that they no longer support
>>any of these units for parts or batteries and will not supply any
>>batteries for them. I have found a supplier that has a limited number of
>>the batteries and I have ordered most of what they had. Let me know how
>>many you need. I will put any unsold batteries on Ebay once you all have
>>gotten what you need.
>>
>>--
>>Stephanie
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Stephanie

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3506. Re: [tvnsp] Recomendations for GPS35 wiring scheme?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-08 12:45:24 UTC
From: Craig Brunson
Topic: 3467 Message: 3506

Also, tie the RXD - Blue wire from the GPS35 to pin 3 of the DB9, so you can program the gps if desired.
I tie the red power lead to pin 9 when putting it into one connector.

Craig
----- Original Message -----
From: "Stephanie Steele" <stephanie@...>
To: <tvnsp@yahoogroups.com>
Sent: Thursday, 08 August, 2002 12:11 AM
Subject: Re: [tvnsp] Recomendations for GPS35 wiring scheme?

> Courtesy of Jeff:
>
> Here's the answer for the GPS wiring question.
> TXD1 - White wire from GPS35 to pin 2 of the DB9
> connector.
> Ground - Black wire from GPS35 to pin 6 of the DB9
> connector.
> The black wire is signal and power ground. You will have to
> run this wire to pin 6 and your battery ground.
> Power - Red wire to battery plus.

3507. Donations

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-08 12:02:04 UTC
From: Doug Rich
Topic: 3452 Message: 3507

VOI
PO BOX 812
Boise, ID 83701

At 07:38 PM 8/7/02 -0600, you wrote:
>What address do I send the check to?
>
>Jeff
>KD7INN
>
>Stephanie Steele wrote:
> >
> > Doug said just send the donation to VOI and mark it for the balloon
> > fund. Then contact him to pay the money onto the helium account at
> > Sheehans.
> >
> > Stephanie
> >
> > Jeff Melanson wrote:
> > > Yes, and I have asked Doug how to do this. I hope the
> > > process is not to difficult. Since we don't have a meeting
> > > for a while I don't know how to get the money into the VOI
> > > account. I'm just a newbe!
> > >
> > > Jeff
> > > KD7INN
> > >
> > > Stephanie Steele wrote:
> > >
> > >>Did everyone miss Doug's message about running the money through the VOI
> > >>account so you can use it as a tax write off?
> > >>
> > >>Stephanie
> > >>
> > >>John Knapp wrote:
> > >>
> > >>>Deb is going to put some money into the account
> > >>>sometime this afternoon.
> > >>>
> > >>>JohnK
> > >>>KD7HGS
> > >>>
> > >>>--- verhap@... wrote:
> > >>>
> > >>>

> > >>>>>How much is helium and what do we tell them? We
> > >>>>
> > >>>>can help out with part of
> > >>>>
> > >>>>
> > >>>>>the other tank.
> > >>>>
> > >>>>Helium is $57 a tank. Tell Sheehans, on Century
> > >>>>Drive, that you'd
> > >>>>like to add money to the Treasure Valley Near Space
> > >>>>account.
> > >>>>
> > >>>>Paul
> > >>>>
> > >>>
> > >>>
> > >>>
> > >>>_____
> > >>>Do You Yahoo!?
> > >>>Yahoo! Health - Feel better, live better
> > >>>http://health.yahoo.com
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> > >>Stephanie
> > >>
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> > >>
> > >>Friends are quiet angels who lift us to our feet when our wings have
> > >>trouble remembering how to fly.
> > >>
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> > >>"Those who desire to give up freedom in order to gain security will not
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3508. Re: VOI account? Re: [tvnsp] Aug 24th flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-08 12:07:49 UTC
From: Doug Rich
Topic: 3452 Message: 3508

Just email me the amount that you mailed to the VOI po box and I will forward the amount anywhere it is needed. No need to wait for anything. Just don't burn me (tell me you sent, say, $50 and you really have not).

>Note: I was unable to find an address on the VOI pages except in the
>membership application. That says PO Box 812, Boise, ID 83701 and also says
>allow 2-4 weeks for processing. Clearly we want the helium $$$$ to get
>processed a little faster than that.
>
>Bill

3509. Re: [tvnsp] Re: Stephanie's Capsule

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-08 21:27:15 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3452 Message: 3509

Stephanie, please give me a call. I know where Randy lives,
perhaps we can meet there. I'd like to bring some equipment and
show you what I'd like to bolt to your airframe. After that, I'd like to
take it home and do the work.

Paul
631-7162

> Like I said, I don't care where we meet. I have some time yet this
> evening. If you don't mind working on my messy kitchen table you can
> come here or I'll meet you where ever you want.
>
> Stephanie
>
>
>
> pverhage1960 wrote:
> > Where do you want to meet tomorrow?
> >
> > Paul
> >
> > --- In tvnsp@y..., Stephanie Steele <stephanie@k...> wrote:
> >
> >>Hi Paul,
> >>
> >>I have some time tomorrow evening or on the 14th or 15th or the
> >
> > 22nd or
> >
> >>23rd. I don't care where we meet. I don't have much room to work at
> >
> > my
> >
> >>house so you name it.
> >>
> >>Stephanie
> >>
> >>
> >>verhap@o... wrote:
> >>
> >>>Stephanie, when and where can I get with you? I'll need your
> >>>capsule to load the camera and to make its cable.
> >>>
> >>>Paul
> >>>

> >>>
> >>>To unsubscribe from this group, send an email to:
> >>>tvnsp-unsubscribe@e...
> >>>
> >>>
> >>>
> >>>Your use of Yahoo! Groups is subject to
> >>
> > http://docs.yahoo.com/info/terms/
> >
> >>>
> >>>
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> >>
> >>--
> >>Stephanie
> >>
> >>*********************************
> >>
> >>Friends are quiet angels who lift us to our feet when our wings
> >
> > have
> >
> >>trouble remembering how to fly.
> >>
> >>*********************************
> >>
> >>"They that can give up essential liberty to obtain a little
> >
> > temporary
> >
> >>safety deserve neither liberty nor safety."
> >>
> >>Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11,
> >
> > 1773.
> >
> >>"Those who desire to give up freedom in order to gain security will
> >
> > not
> >
> >>have, nor do they deserve, either one."
> >>
> >>President Thomas Jefferson.
> >> 1743-1826
> >>
> >>*********************************
> >>
> >>Send and receive money safely over the Internet by using PayPal. I
> >

> > use
> >
> >>it and highly recommend it as a safe and reliable means to conduct
> >>business. By using the link below we both will receive a $5 sign up
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> > bonus.
> >
> >>https://www.paypal.com/refer/pal=kc7dba%40arrl.net
> >>
> >>*******************************
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> >>copying or the taking of any action based upon the information
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> >>this message is strictly prohibited.
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>
> --
> Stephanie

>
> ******************************
>
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> ******************************
>
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3510. Re: [tvnsp] Cybiko Batteries

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-08 21:28:36 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3496 Message: 3510

> Anyone who purchased the Cybiko units and are in need of batteries for
> them please let me know. Cybiko has told me that they no longer support
> any of these units for parts or batteries and will not supply any
> batteries for them. I have found a supplier that has a limited number of
> the batteries and I have ordered most of what they had. Let me know how
> many you need. I will put any unsold batteries on Ebay once you all have
> gotten what you need.

How much are the batteries? Is it worth having one in reserve
in case mine fails?

Paul

3511. Aug. 9th Meeting Reminder.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-08 23:22:56 UTC
From: Jeff Melanson
Topic: 3511 Message: 3511

TVNSP,

Friday's meeting is 6:30 pm @ Jade Garden. On the agenda is APRS+ software training. Randy (N7GPS) is the instructor. This is not a balloon specific topic so I would encourage anyone who wants to learn about APRS+ to come and join in. I recommend that you bring your laptops and equipment if you have it.

Jeff
KD7INN

3512. TV02D Pictures @ Yahoo

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-08 23:34:17 UTC
From: kc7dpd@velocitus.net
Topic: 3511 Message: 3512

Everyone,

I uploaded some pictures from the latest flight to the Yahoo site today,
go check them out!
http://photos.groups.yahoo.com/group/tvnsp/lst

See y'all at the meeting tomorrow night!

Mike KC7DPD

3513. Re: [tvnsp] Recomendations for GPS35 wiring scheme?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-08 23:59:33 UTC
From: Tony Barrett
Topic: 3467 Message: 3513

Hi Bill,

Yes, its a DB9 "Female" according to my parts from Radio Shack that are still sealed in their original packages.

Yes, that's the way I did mine. That way I can connect to a PC or, with the proper "Y", the "radio port" a KPC3+. I've built one TNC "Y" and have the parts to build a couple of more. With the power pigtail on the GPS side you end up with a double "Y".

The +12 connection does NOT connect to the DB 9 at all. The wire merely comes into the back of the housing and connects to the GPS cable inside the DB9 housing, but does not connect to the DB9 sockets. I did connect the ground lead from the PowerPoles (on about a three foot length of cable) to the GPS AND the DB9 AND the DB9 housing shell (heat shrinked and soldered of course).

Here are the connections I used and it works great:

Pin 2 on the DB9 is data from the GPS and the wire on the Garmin 35 is WHITE (TXD1).
Pin 3 on the DB9 is data to the GPS and the wire on the Garmin 35 is BLUE (RXD1).
Pin 5 on the DB9 is ground for the GPS and the power source and the wire on the Garmin 35 is BLACK (GND - Power and Signal Ground).

Pin 3 is optional, but useful if you want to program the device to send specific strings. I have the programming software around here somewhere.

I did not connect any of the other wires on the Garmin 35 to anything.

I'd be glad to bring one of mine in to work to show you if you want to see all the fancy stuff I did with shrink tubing and hot melt.

Stephanie and Jeff say pin 6 for ground. I'm using pin 5. My Garmin built cables for my GPS II+ and my GPS III both use pin 5 for ground. I found web sites that also show pin 5 as ground.

Craig suggests connecting the red power lead to pin 9. With all the various PC configurations I don't think I'd do that. Most of the time it won't work and it may damage something.

My Garmin built cables do not have the power lead connected to anything on the DB9 female (PC) end.

73,

Tony

At 11:09 PM 8/7/02 -0600, you wrote:
>I'm finally getting around to wiring up my GPS35 with a plug. Knowing
>several of you have already done so..
>
>Any recommendations on which signals to put where? It looks like there's
>2-3 data receive wires etc.
>
>I was figuring on wiring it with a standard DB9(F I think - never can
>remember which way IBM screwed that up) and running the power wires out the
>back of that. Any other trick connection methods I should consider?
>
>Bill
>
>
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3514. Re: TV02D Pictures @ Yahoo

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-09 00:13:02 UTC
From: n1ltv
Topic: 3511 Message: 3514

> I uploaded some pictures from the latest flight

Very nice, Mike. I hope as time goes on you can add a
few more. Sorry to hear your computer went haywire just
around the time of 02D I guess.

That campground looks very cozy and the weather must have
been excellent! Nice to not have to use headlights to
do launch prep. No civilian onlookers attracted by
the unusual spectacle?

Did you folks have a chance to watch the balloon in such
bright, clear conditions or did you have to pack up
and keep moving?

Looking forward now to a few closeups of the payload
interior since a picture is worth a thousand words.

Hank

3515. 02D thermochron log

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-09 00:23:51 UTC
From: n1ltv
Topic: 3515 Message: 3515

Paul,

Will you be uploading the 02D temp log any time now?

Hank

3516. Re: [tvnsp] TV02D Pictures @ Yahoo

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-09 00:40:18 UTC
From: Jeff Melanson
Topic: 3511 Message: 3516

I don't understand. How come when I click on the link I get
the following message:

Document Not Found

Sorry, the document you requested is not available.

The URL looks like this:

http://groups.yahoo.com/error?error_code=404

Jeff
KD7INN

kc7dpd@... wrote:
>
> Everyone,
>
> I uploaded some pictures from the latest flight to the Yahoo site today,
> go check them out!
> http://photos.groups.yahoo.com/group/tvnsp/lst
>
> See y'all at the meeting tomorrow night!
>
> Mike KC7DPD
>
>
> To unsubscribe from this group, send an email to:
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>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

3517. Re: TV02D Pictures @ Yahoo

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-09 01:11:08 UTC
From: kd7pit
Topic: 3511 Message: 3517

It's neat looking at the landing photo (3rd in the series) because it appears like we landed on Mars with the iron oxide red soil. One could probably photoshop out the sage brush and add a "Yogi" rock nearby and JPL might be interested! :-)

Justin, KD7PIT

3518. TV02D pictures

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-09 01:44:34 UTC
From: Jeff Melanson
Topic: 3518 Message: 3518

Mike,

Can you post a close up picture of the inside of the capsule?

Jeff
KD7INN

3519. TV02D Pictures @ Yahoo

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-09 03:24:14 UTC
From: kc7dpd@velocitus.net
Topic: 3511 Message: 3519

Everyone,

I uploaded some pictures from the latest flight to the Yahoo site today,
go check them out!
http://photos.groups.yahoo.com/group/tvnsp/lst

See y'all at the meeting tomorrow night!

Mike KC7DPD

3520. Picture Info

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-09 04:06:37 UTC
From: Jeff Melanson
Topic: 3520 Message: 3520

Hi All,

http://photos.groups.yahoo.com/group/tvnsp/lst

In the first picture called "Getting ready to launch" from left to right you see Randy (N7GPS) holding the 200 gram balloon, Paul (KD4STH), John Stone (K7JPS) AKA John the younger, and me, Jeff (KD7INN).

In the second picture called "3....2....1....Launch!" I am holding the capsule waiting for the countdown. You can see the J-pole antenna hanging down. That's Paul laying down on the job.

In the third picture called "Landing Pic" shows the brightly colored lunch bag capsule with the 24" parachute. You can also see the J-pole antenna laying on the ground. Even with the antenna on the ground the signal got out pretty good. We were on a road .7 miles away from this spot with a couple of hills between us and received the signal with no trouble. The parachute did not come with the straps at the top that the load line was tied to. My wife sewed those on for me.

In the forth picture labeled "Check out the terrain" from left to right is me again, then Paul and John. Mike and Justin are there but not in this picture.

Crew members attending this flight:

Jeff
Paul
John Stone and family
John Knapp
Deb Knapp
Justin
Mike
Randy

Stephanie had gotten home from a late work shift and monitored our progress and was helping us with directions to the landing site.

Jeff
KD7INN

3521. Re: [tvnsp] Cybiko Batteries

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-09 04:44:15 UTC
From: Stephanie Steele
Topic: 3496 Message: 3521

The batteries are $4 each. I know where to find a few more (as of yesterday) but no more exist that I can find. There are no more being made nor any firm plans for any to be made. Can't say if it's worth having spares. Each unit takes two batteries and I plan on having spares for mine.

Stephanie

verhap@... wrote:
>>Anyone who purchased the Cybiko units and are in need of batteries for
>>them please let me know. Cybiko has told me that they no longer support
>>any of these units for parts or batteries and will not supply any
>>batteries for them. I have found a supplier that has a limited number of
>>the batteries and I have ordered most of what they had. Let me know how
>>many you need. I will put any unsold batteries on Ebay once you all have
>>gotten what you need.
>
>
> How much are the batteries? Is it worth having one in reserve
> in case mine fails?
>
> Paul
>
>
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> tvnsp-unsubscribe@egroups.com
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>

--
Stephanie

****

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****

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Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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https://www.paypal.com/refer/pal=kc7dba%40arrl.net

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3522. Re: [tvnsp] Re: Stephanie's Capsule

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-09 04:49:10 UTC
From: Stephanie Steele
Topic: 3452 Message: 3522

Randy's house if fine with me if it's ok with Randy. I live about 6
miles northwest of Randy. Can you give me a clue what you are going to
mount? Is it internal or external? Will it mount to a standard mounting
fixture? Did you get the dimensions for the internal mounting fixture?

Never mind, I'll give you a call or call me at 739-1111. I am back to
work tomorrow night and I work all night so call anytime.

Stephanie

verhap@... wrote:
> Stephanie, please give me a call. I know where Randy lives,
> perhaps we can meet there. I'd like to bring some equipment and
> show you what I'd like to bolt to your airframe. After that, I'd like to
> take it home and do the work.
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> Paul
> 631-7162
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>>Like I said, I don't care where we meet. I have some time yet this
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>>>Where do you want to meet tomorrow?
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>>>Paul
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>>>--- In tvnsp@y..., Stephanie Steele <stephanie@k...> wrote:
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>>>>Hi Paul,
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>>>my
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3523. Re: [tvnsp] Recomendations for GPS35 wiring scheme?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-09 05:23:28 UTC
From: Bill Herrmann
Topic: 3467 Message: 3523

At 05:59 PM 8/8/02 -0600, you wrote:
>Yes, that's the way I did mine. That way I can connect to a PC or, with
>the proper "Y", the "radio port" a KPC3+. I've built one TNC "Y" and have
>the parts to build a couple of more. With the power pigtail on the GPS
>side you end up with a double "Y".

I'll have to show you how I did my cable for the GPS port. I used a hood designed for back to back DB9 plugs and brought the cable out the side. It seemed less prone to damage.

>I'd be glad to bring one of mine in to work to show you if you want to see
>all the fancy stuff I did with shrink tubing and hot melt.

I'd like to take a look at that sometime.

>Stephanie and Jeff say pin 6 for ground. I'm using pin 5.

Good catch! Pin 5 would be correct for a DB9 style RS232 connector. The KPC3 etc. use pin 6 and/or 9 for ground. I'm betting that's where the difference came in.

Thanks to all who responded!

Bill

3524. Re: [tvnsp] Recomendations for GPS35 wiring scheme?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-09 05:38:30 UTC
From: Tony Barrett
Topic: 3467 Message: 3524
Attachments: 1 described; binary payloads are missing from this source WARC

But I had to build a "Y" for the TNC to allow me to connect the radio anyway, so on the GPS end of the "Y" I made it look like a PC port. That way I can plug all my GPS units into my PC or my TNC. This also allows me to use factory built cables between my GPS and the TNC "Y".

At 11:23 PM 8/8/02 -0600, you wrote:
>At 05:59 PM 8/8/02 -0600, you wrote:
> >Yes, that's the way I did mine. That way I can connect to a PC or, with
> >the proper "Y", the "radio port" a KPC3+. I've built one TNC "Y" and have
> >the parts to build a couple of more. With the power pigtail on the GPS
> >side you end up with a double "Y".
>
>I'll have to show you how I did my cable for the GPS port. I used a hood
>designed for back to back DB9 plugs and brought the cable out the side. It
>seemed less prone to damage.
>
> >I'd be glad to bring one of mine in to work to show you if you want to see
> >all the fancy stuff I did with shrink tubing and hot melt.
>
>I'd like to take a look at that sometime.
>
> >Stephanie and Jeff say pin 6 for ground. I'm using pin 5.
>
>Good catch! Pin 5 would be correct for a DB9 style RS232 connector. The
>KPC3 etc. use pin 6 and/or 9 for ground. I'm betting that's where the
>difference came in.
>
>Thanks to all who responded!
>
>Bill
>
>
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><http://docs.yahoo.com/info/terms/>Yahoo! Terms of Service.

3525. Re: [tvnsp] TV02D Pictures @ Yahoo

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-09 05:49:28 UTC
From: Tony Barrett
Topic: 3511 Message: 3525

Same here. I get the same error Jeff reported. No photos.

What's the secret to seeing these pictures? Is this a Netscape / IE thing?

Tony - N7MTZ

At 06:40 PM 8/8/02 -0600, you wrote:
>I don't understand. How come when I click on the link I get
>the following message:
>
>Document Not Found
>
>Sorry, the document you requested is not available.
>
>The URL looks like this:
>
><http://groups.yahoo.com/error?error_code=404>http://groups.yahoo.com/error?error_code=40
4
>
>Jeff
>KD7INN
>
>kc7dpd@... wrote:
> >
> > Everyone,
> >
> > I uploaded some pictures from the latest flight to the Yahoo site today,
> > go check them out!
> >
> <http://photos.groups.yahoo.com/group/tvnsp/lst>http://photos.groups.yahoo.com/group/tvn
sp/lst
> >
> > See y'all at the meeting tomorrow night!
> >
> > Mike KC7DPD
> >
> >
> > To unsubscribe from this group, send an email to:
> > tvnsp-unsubscribe@egroups.com
> >
> >
> >
> > Your use of Yahoo! Groups is subject to
> <http://docs.yahoo.com/info/terms/>http://docs.yahoo.com/info/terms/
>
>Yahoo! Groups Sponsor

>ADVERTISEMENT
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>
>
>
>Your use of Yahoo! Groups is subject to the
><http://docs.yahoo.com/info/terms/>Yahoo! Terms of Service.

3527. Re: [tvnsp] TV02D Pictures @ Yahoo

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-09 06:35:16 UTC
From: Bill Herrmann
Topic: 3511 Message: 3527

At 12:00 AM 8/9/02 -0600, you wrote:
>Got it figured out. I had to log into my Yahoo account first, then the
>link worked.

At least you can do that! For a variety of reasons I don't have a Yahoo
account. (No, you don't actually need one to sign up for lists.)

Oh well!

Bill

3528. Map of predicted TV02D path

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-09 07:38:42 UTC
From: Hank Riley
Topic: 3528 Message: 3528
Attachments: 1 described; binary payloads are missing from this source WARC

This is a graphic showing the predicted path on ascent and descent of TV02D. The prediction was actually made about 45 minutes before liftoff and is very similar to the one posted to list Saturday morning (this one is slightly closer to the actual landing spot).

The blue color dots represent a rising balloon and these dots change to red northeast of Weiser.

To better show detail, a composite has been made of two images and here they are not aligned in the left-right direction so a red bar shows the place at which they're joined. Later I'll make a nicer one without a visible splice.

On Friday I'll upload the actual balloon track.

Hank

_____
Chat with friends online, try MSN Messenger: http://messenger.msn.com

3529. Accessing Pictures

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-09 11:46:09 UTC
From: Jeff Melanson
Topic: 3529 Message: 3529

Hi Tony,

In my case I had to rejoin the Yahoo group. It's weird
because I was still getting email from TVNSP fowarded to my
earthlink address an I could still post to it but but my
Yahoo address showed I was a not a member of any groups and
my earthlink address was not verified. This had something to
do with the time that our email group changed from E groups
to Yahoo groups. For a long time nothing worked right for me
but it's looks like it's all working now.

Jeff
KD7INN

Tony Barrett wrote:
>
> Got it figured out. I had to log into my Yahoo account first, then the
> link worked.
>
> At 11:49 PM 8/8/02 -0600, you wrote:
> >Same here. I get the same error Jeff reported. No photos.
> >
> >What's the secret to seeing these pictures? Is this a Netscape / IE thing?
> >
> >Tony - N7MTZ
> >
> >
> >
> >At 06:40 PM 8/8/02 -0600, you wrote:
> > >I don't understand. How come when I click on the link I get
> > >the following message:
> > >
> > >Document Not Found
> > >
> > >Sorry, the document you requested is not available.
> > >
> > >The URL looks like this:
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> > ><<http://groups.yahoo.com/error?error_code=404>http://groups.yahoo.com/er
> > ror?error_code=404>http://groups.yahoo.com/error?error_code=404
> > >
> > >Jeff
> > >KD7INN
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> > >kc7dpd@... wrote:
> > > > >

> > > > Everyone,
> > > >
> > > > I uploaded some pictures from the latest flight to the Yahoo site today,
> > > > go check them out!
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> > <<http://photos.groups.yahoo.com/group/tvnsp/lst>http://photos.groups.yahoo.com/group/tvnsp/lst>http://photos.groups.yahoo.com/group/tvnsp/lst
> > > >
> > > > See y'all at the meeting tomorrow night!
> > > >
> > > > Mike KC7DPD
> > > >
> > > >
> > > > To unsubscribe from this group, send an email to:
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> > > >
> > > > Your use of Yahoo! Groups is subject to
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> >ADVERTISEMENT
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> >
> >To unsubscribe from this group, send an email to:
> >tvnsp-unsubscribe@egroups.com
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> >
> >Your use of Yahoo! Groups is subject to the
> ><http://docs.yahoo.com/info/terms/>Yahoo! Terms of Service.

3530. Re: [tvnsp] TV02D Pictures @ Yahoo

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-09 13:18:08 UTC
From: Harry M
Topic: 3511 Message: 3530

I can't view the pics either and I don't Yahoo!
How do I see the pics?

Harry

> Same here. I get the same error Jeff reported. No photos.
>
> What's the secret to seeing these pictures? Is this a Netscape / IE thing?
>

3531. Re: [tvnsp] Re: Stephanie's Capsule

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-09 13:17:42 UTC
From: Randy Farley
Topic: 3452 Message: 3531

No Problem,let me know ahead of time if you folks need my place. Saturday is not good this week. Sunday ok.
My number 452-4655 not long distance any longer from Boise ;-)

>>> stephanie@... 08/08/02 10:49PM >>>
Randy's house if fine with me if it's ok with Randy. I live about 6
miles northwest of Randy. Can you give me a clue what you are going to
mount? Is it internal or external? Will it mount to a standard mounting
fixture? Did you get the dimensions for the internal mounting fixture?

Never mind, I'll give you a call or call me at 739-1111. I am back to
work tomorrow night and I work all night so call anytime.

Stephanie

verhap@... wrote:
> Stephanie, please give me a call. I know where Randy lives,
> perhaps we can meet there. I'd like to bring some equipment and
> show you what I'd like to bolt to your airframe. After that, I'd like to
> take it home and do the work.
>
> Paul
> 631-7162
>
>
>>Like I said, I don't care where we meet. I have some time yet this
>>evening. If you don't mind working on my messy kitchen table you can
>>come here or I'll meet you where ever you want.
>>
>>Stephanie
>>
>>
>>
>>pverhage1960 wrote:
>>
>>>Where do you want to meet tomorrow?
>>>
>>>Paul
>>>
>>>--- In tvnsp@y..., Stephanie Steele <stephanie@k...> wrote:
>>>
>>>
>>>>Hi Paul,
>>>>
>>>>I have some time tomorrow evening or on the 14th or 15th or the
>>>

>>>22nd or
>>>
>>>
>>>>23rd. I don't care where we meet. I don't have much room to work at
>>>
>>>my
>>>
>>>
>>>>house so you name it.
>>>>
>>>>Stephanie
>>>>
>>>>
>>>>verhap@o... wrote:
>>>>
>>>>
>>>>>Stephanie, when and where can I get with you? I'll need your
>>>>>capsule to load the camera and to make its cable.
>>>>>
>>>>>Paul
>>>>>
>>>>>
>>>>>To unsubscribe from this group, send an email to:
>>>>>tvnsp-unsubscribe@e...
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>>>>>Your use of Yahoo! Groups is subject to
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>>>http://docs.yahoo.com/info/terms/
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>>>>Stephanie
>>>>
>>>>**********
>>>>
>>>>Friends are quiet angels who lift us to our feet when our wings
>>>
>>>have
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>>>
>>>>trouble remembering how to fly.
>>>>
>>>>**********
>>>>
>>>>"They that can give up essential liberty to obtain a little
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>>>temporary
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>>>
>>>>safety deserve neither liberty nor safety."
>>>>
>>>>Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11,
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>>>1773.
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>>>
>>>>"Those who desire to give up freedom in order to gain security will
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>>>not
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>>>>have, nor do they deserve, either one."
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>>>>President Thomas Jefferson.
>>>> 1743-1826
>>>>
>>>>**********
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>>>>Send and receive money safely over the Internet by using PayPal. I
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>>>use
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>>>>it and highly recommend it as a safe and reliable means to conduct
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>>>bonus.
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>>>
>>>>https://www.paypal.com/refer/pal=kc7dba%40arrl.net
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>>>>**********
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>>>to whom it
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>>>>is addressed. If the reader of this e-mail message is not the
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>>>intended

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>>>>recipient you are notified any disclosure, dissemination,
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>>>>copying or the taking of any action based upon the information
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>

--
Stephanie

****

Friends are quiet angels who lift us to our feet when our wings have
trouble remembering how to fly.

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

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https://www.paypal.com/refer/pal=kc7dba%40arrl.net

****

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3532. Help Moving Mirrors

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-09 16:41:54 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3532 Message: 3532

I have three 48" mirrors in SLC that need to be moved to Boise.
The mirrors use to be a part of the Flys Eye cosmic ray telescope.
I was planning to bring them back on a U-Haul trailer, but my Jeep
is not drivable at this time. Is there someone who might be able to
tow a trailer for me and the Discovery Center to move the mirrors
back? I would pay for your gas and meals.

The mirrors are in 6 foot frames and weigh 75 pounds each. They
are 9" deep. I figure we can load all three inside a trailer and wrap
them in moving blankets.

Let me know if you can help or if you know someone who might be
able to help.

Thanks,
Paul

3533. Re: [tvnsp] TV02D Pictures @ Yahoo

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-09 16:46:07 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3511 Message: 3533

Mike, I'm getting blank images.

Can you call me so I can arrange to pick up the parachute fabric. I
have some time before shcool starts and i'd like to begin sewing
the 'chute.

Paul
631-7162

> I uploaded some pictures from the latest flight to the Yahoo site today,
> go check them out!
> http://photos.groups.yahoo.com/group/tvnsp/lst
>
> See y'all at the meeting tomorrow night!
>
> Mike KC7DPD
>
>
>
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>

3534. Re: [tvnsp] Re: TV02D Pictures @ Yahoo

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-09 16:50:19 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3511 Message: 3534

> That campground looks very cozy and the weather must have
> been excellent! Nice to not have to use headlights to
> do launch prep. No civilian onlookers attracted by
> the unusual spectacle?

We had a few civies watch from a distance. I tried to invite a few over, but they ignored my waving.

> Did you folks have a chance to watch the balloon in such
> bright, clear conditions or did you have to pack up
> and keep moving?

We packed and left.

Paul

3535. Re: [tvnsp] 02D thermochron log

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-09 16:51:26 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3515 Message: 3535

> Will you be uploading the 02D temp log any time now?

I gave a copy to the chase crews at lunch. Can anyone load that
log? I didn't bring my to the campus.

Paul

3536. Re: [tvnsp] Re: TV02D Pictures @ Yahoo

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-09 16:54:24 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3511 Message: 3536

> It's neat looking at the landing photo (3rd in the series) because it
> appears like we landed on Mars with the iron oxide red soil. One
> could probably photoshop out the sage brush and add a "Yogi" rock
> nearby and JPL might be interested! :-)

At the next recovery we all bring space suits.

Paul

3537. Re: [tvnsp] Re: Stephanie's Capsule

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-09 17:08:58 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3452 Message: 3537

Let's meet on Sunday. Would anyone else like to attend? I'll call
Randy and Stephanie to arrange the time.

Stephanie, I plan to mount my camera and scan platform on the
outside of your capsule on one of your quads. I'll make the cable
to connect my flight computer to to the camera and servo. Do you
have a boom to mount your antenna on? We'll put the antenna and
camera on opposite sides of the capsule. I'll program the flight
computer to photo the ground throughout the flight. It will try to
snap a few pix just after lift off and attempt to get the launch crews
during their typical post launch panic. At 85,000 and 90,000 feet,
the camera will photo the horizon several times. We'll also try for a
few pix as soon as descent is detected. Any left over photos will
be reserved for the last 2000 feet of descent. We'll try to photo the
landing site and try to record the shadow of the parachute.

We'll put your capsule on the bottom. When you photo the ground,
there will be no capsule in the way. When you photo the
balloon/parachute, my capsule will be in the chaotic scene.

My capsule will carry the second APRS tracker, geiger counter
and weather station. We'll position our antenna on opposite sides
of the stack. John the Younger, can you attend and begin the
checklist?

Paul

> No Problem,let me know ahead of time if you folks need my place. Saturday is not good
this week. Sunday ok.
> My number 452-4655 not long distance any longer from Boise ;-)
>
> >>> stephanie@... 08/08/02 10:49PM >>>
> Randy's house if fine with me if it's ok with Randy. I live about 6
> miles northwest of Randy. Can you give me a clue what you are going to
> mount? Is it internal or external? Will it mount to a standard mounting
> fixture? Did you get the dimensions for the internal mounting fixture?
>
> Never mind, I'll give you a call or call me at 739-1111. I am back to
> work tomorrow night and I work all night so call anytime.
>
> Stephanie
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> verhap@... wrote:
> > Stephanie, please give me a call. I know where Randy lives,

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> > show you what I'd like to bolt to your airframe. After that, I'd like to
> > take it home and do the work.
> >
> > Paul
> > 631-7162
> >
> >
> >>Like I said, I don't care where we meet. I have some time yet this
> >>evening. If you don't mind working on my messy kitchen table you can
> >>come here or I'll meet you where ever you want.
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> >>Stephanie
> >>
> >>
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> >>pverhage1960 wrote:
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> >>>Where do you want to meet tomorrow?
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> >>>Paul
> >>>
> >>>--- In tvnsp@y..., Stephanie Steele <stephanie@k...> wrote:
> >>>
> >>>
> >>>>Hi Paul,
> >>>>
> >>>>I have some time tomorrow evening or on the 14th or 15th or the
> >>>
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> >>>
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> >>>>Stephanie
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> >>>>
> >>>>verhap@o... wrote:
> >>>>
> >>>>
> >>>>>Stephanie, when and where can I get with you? I'll need your
> >>>>>capsule to load the camera and to make its cable.
> >>>>>
> >>>>>Paul
> >>>>>

> >>>>>
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> >>>>--
> >>>>Stephanie
> >>>>
> >>>>**********
> >>>>
> >>>>Friends are quiet angels who lift us to our feet when our wings
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> >>>
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> >>>>President Thomas Jefferson.
> >>>> 1743-1826
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> >>>>
> >>>>Send and receive money safely over the Internet by using PayPal. I
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> >>>
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> >>>>is addressed. If the reader of this e-mail message is not the
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> >>>>recipient you are notified any disclosure, dissemination,
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> --
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3538. Balloon Ascent Speeds

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-09 18:05:30 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3538 Message: 3538

In my book I discuss technical issues like the lift of helium, descent speeds of parachutes, cosmic rays, etc. The next topic I'm tackling is the ascent speed of a balloon. Here's what I have for my notes so far. I'm looking for input, because I don't have the complete picture yet. Please spend a little time looking these notes over and making suggestions. Thanks.

A. Intro

We know the balloon will expand as it rises due to decreasing air pressure. As a gas expands, as in a balloon, it cools. This cooling decreases the volume of a gas. We can see that during a flight that the balloon expands a lot more due to reduced air pressure than it contracts due to cooling air temperatures (both inside and outside the balloon). So cooling has a minor effect compared to reducing air pressure. The forces acting on a balloon are three, payload weight (W) pulling down, lift (L) pulling up, and drag (D) pulling in the direction opposite of the balloon's motion (so drag pulls down, just like the weight). Looking at flight data, we see that the balloon ascends at a constant rate for the entire flight [1]. As long as there is no net force acting on a balloon (or any object for that manner), it moves with zero acceleration, or constant velocity. Since the balloon climbs at a constant veleocity, the force of lift of the balloon is balanced by drag and weight, D + W = L. Lift and weight are constant on a balloon flight [2], therefore the force of drag must be a constant throughout the flight also.

B. Drag

The equation for drag is given as,
D = Cd * Ra * sq(V)/2 * rho

where,
Cd is a coefficient of drag
Ra is the reference area
sq(V)/2 is the square of the velocity, divided by 2
rho is the density of the air.

Cd is a dimensionaless constant. This means it's simply a number and does not have any units (like pounds or feet) attached to it. For a sphere, Cd is about 0.5

Ra is an area you choose to use. If you select a different area as your Ra, then the Cd for that Ra is different, but Cd is still just a number

I only what to determine how ascent speed changes as the variables change, so I'm going to treat this equation as a relationship of proportionality and drop the constants for the rest of this discussion.

When you look at the US Standard Atmosphere (a model of how air pressure, density, and temperature change as a function of altitude), you see that the change in air density closely tracks the change in air pressure. So I'm going to replace air density with air pressure. The reason I do this is that we can see the change in air pressure changes the balloon's volume and therefore it's reference area. As a Ra, I'm going to select the frontal area occupied by the balloon. This Ra is proportional to the two-thirds power of the volume. The balloon's volume, ideally, is proportional to the inverse of the air pressure. Observations show that the balloon's vertical velocity, its ascent rate, is constant throughout a flight. So sq(V)/2 is also a constant. When I combine like terms and move the constants out, I end up with the following,

D is proportional to (volume)^2/3 * pressure

Which simplifies to

D pro to 1/(pressure)^2/3 * pressure

Which simplified to

D pro to (pressure)^1/3

However, D must be a constant, whereas pressure is not a constant! So what's wrong here?

The change in temperature can't be responsible for adjusting the change in volume (that is due to changing air pressure) because we see the temperature change in opposite direction in the tropo and stratosphere. And yet, the ascent rates in both the tropo and stratosphere are both constant.

So it appears to me that Cd is not a constant throughout a flight.

C. Cd

Cd models drag's depenedencies on things like shape, air viscosity, and air compressibility. The balloon's shape does not change significantly during a flight. The air compressiblity is not siginificant belows speeds of 200 mph. This leaves only air viscosity. Is the change in the air's viscosity proportional to the cube root of the air's pressure? If so, the change in Cd would oppose the chnage in drag caused by the change in air pressure (or more exactly, air density). Does the Cd of an aircraft change as the aircraft climbs?

Note 1
There is a knee in the ascent speed of a balloon as you approach

the stratosphere. In the startosphere, the air temperature increases as the balloon climbs. Perhaps the slight extra increase in the balloon's diameter due to increasing stratospheric temperatures increases the balloon's drag slightly, causing it to slow down a bit. As a future experiment, does a black balloon rise faster than an identical white balloon or slower?

Note 2
The lifting ability of helium does decrease with decreasing pressure. But this amounts to only something like a percent or two. This is not enough to significantly effect our numbers.

Paul

3539. Re: [tvnsp] Help Moving Mirrors

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-09 17:17:43 UTC
From: Bill Herrmann
Topic: 3532 Message: 3539

At 09:41 AM 8/9/02 -0700, you wrote:
>Is there someone who might be able to tow a trailer for me and the
>Discovery Center to move the mirrors back? I would pay for your gas and meals.

I'm literally headed out the door right after I send this and will be out
of town this weekend. However, if nobody else is able to I could tow the
trailer for you.

Can go up to 4500 lbs of trailer on one rig and 2000 on the other.

Bill

3540. TVNSP 02D pictures posted on web for easy viewing

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-09 17:32:43 UTC
From: n1ltv
Topic: 3540 Message: 3540

It's funny, I was thinking that it's pretty slick
how yahoogroups displays uploaded pictures.

However if even several people are having troubles
with viewing the pictures there that's not good.

I decided to do a quick photo gallery on my webpage
to remedy this difficulty, and secondarily show
how it takes only a little time and a little effort
to get this stuff on the TVNSP web page where it
really belongs. I know Mike when he gets his computer
all straightened out will be getting the TVNSP web page
in gear with updated info, data, and pics.

No special web software was used for this, and I use
an old $49 computer (just barely above a 486) and
a slow KMart (really!) internet connection.

See Mike Garske's nice 02D pictures at:

htp://www.geocities.com/n1ltv/tv02d.htm

Hank

3541. Re: Balloon Ascent Speeds

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-09 17:41:31 UTC
From: n1ltv
Topic: 3538 Message: 3541

> This means *it's* simply a
> number

Correct use of it's. (short for "it has" or "it is")

> The reason I do this is that we can see the change in air
> pressure changes the balloon's volume and therefore *it's*
> reference area.

Incorrect use of it's. Should be its.

This mistake is rampant in cyberspace. If your book ends
up being published by an outfit like Tab Books, a lot of these
<it's its > mistakes will slip through and end up in print.

I would not have bothered mentioning this if it were just
an isolated incident, but some of your other material
contains this consistent error. I think also worth mentioning
because people are seeing it so much now they think this is
the correct way.

Hank

3542. Re: Balloon Ascent Speeds

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-09 17:52:41 UTC
From: n1ltv
Topic: 3538 Message: 3542

> I'm looking for input, because I don't have the
> complete picture yet. Please spend a little time looking these
> notes over and making suggestions.

Paul,

You may have to wait for my book to be published. :)

Seriously, if I am able to derive the equation for you, I'd
like to get credit in THE BOOK.

> So it appears to me that Cd is not a constant throughout
> a flight.

No, it probably changes slightly, but you have missed an
important part of the entire situation. Cd can be a constant
for the purposes of approximation and the ascent speed will
be constant.

Hank

3543. Re: Balloon Ascent Speeds

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-09 18:06:37 UTC
From: n1ltv
Topic: 3538 Message: 3543

> As long as there is no net force acting on a balloon (or any
> object for that manner), it moves with zero acceleration, or
> constant velocity.

> Since the balloon climbs at a constant
> veleocity,

Paul,

Ah, the above appears to be a sort of implied circular argument.

You have not established that the balloon ascends with constant velocity, or if so, why. It would be very good to briefly mention the analogous situation of terminal velocity of a falling object in the atmosphere. It accelerates less and less (while speeding up) approaching asymtotically a maximim velocity which is called the "terminal velocity."

The rising balloon is the same thing, except upside down.

When first released it accelerates until it reaches its upward terminal velocity (doesn't take long).

Funny this subject has come up because when I mentioned to you about a paper for GPSL2002, it would have treated these very subjects. I wrote a computer simulation to model the acceleration and velocity of a falling body which involves the solution of simultaneous differential equations.

There was not enough time to get the paper written and to make sure everything was okay for accuracy.

Hank

3544. Re: Balloon Ascent Speeds

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-09 18:09:31 UTC
From: n1ltv
Topic: 3538 Message: 3544

> *maximim* velocity which is called the
> "terminal velocity."

should be maximum.

3545. Re: [tvnsp] Re: Stephanie's Capsule

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-09 18:11:04 UTC
From: Stephanie Steele
Topic: 3452 Message: 3545

Hi Paul,

I am working Sunday. I work 12 hour shifts on the weekend so that means 14-15 hour work days. I just can't squeeze much play time in between shifts. I have available the 14th or 15th, or 22nd or 23rd. Please call me sometime after 9pm tonight at 739-1111 so we can get this figured out. I will be sleeping this afternoon for work so please wait until after 9pm to call if you can. If you can not call tonight you can call after 7pm Saturday or Sunday.

The camera will have to be mounted on a side adjacent to the side the antenna is mounted to. I have engineered my capsule to have the APRS antenna mounted opposite my control panel. The other two quads are available for mounting other external antennas or fixtures. The side with the APRS antenna is the internal mounting point for board mounted experiments. It sounds like it will be quite simple to mount your existing quad assembly onto my capsule. I will need to make sure that it seals adequately as my capsule is designed to have minimal air transfer between the outside enviroment and the capsule interior. I assume that there will be an umbilical running from it to your capsule for the control?

Also, it was discussed at the last meeting that I could attend, to have my capsule on top due to my capsule having straps that run completely under my capsule from the load line attachment points. This was to reduce the chance of a tear-away failure like occurred on the TV0B flight. Did this idea change? Did you change your capsule to also have the attachment points in a sling arrangement? Or???????

I like the ideas for the photos, they sound interesting. It would be great to have some sponsor's logo on the bottom of your capsule for fund raising purposes (hint, hint). I want to make sure and get a good pre-launch photo of my capsule as I am going to send it to the Lakers to see what, if any, response I can get from their organization. You never know! I would like to eventually get an in-flight photo for the same reason but I have not solved that problem yet.

I'll be looking forward to your call.

Stephanie

verhap@... wrote:
> Let's meet on Sunday. Would anyone else like to attend? I'll call
> Randy and Stephanie to arrange the time.
>
> Stephanie, I plan to mount my camera and scan platform on the
> outside of your capsule on one of your quads. I'll make the cable
> to connect my flight computer to to the camera and servo. Do you

> have a boom to mount your antenna on? We'll put the antenna and
> camera on opposite sides of the capsule. I'll program the flight
> computer to photo the ground throughout the flight. It will try to
> snap a few pix just after lift off and attempt to get the launch crews
> during their typical post launch panic. At 85,000 and 90,000 feet,
> the camera will photo the horizon several times. We'll also try for a
> few pix as soon as descent is detected. Any left over photos will
> be reserved for the last 2000 feet of descent. We'll try to photo the
> landing site and try to record the shadow of the parachute.
>
> We'll put your capsule on the bottom. When you photo the ground,
> there will be no capsule in the way. When you photo the
> balloon/parachute, my capsule will be in the chaotic scene.
>
> My capsule will carry the second APRS tracker, geiger counter
> and weather station. We'll position our antenna on opposite sides
> of the stack. John the Younger, can you attend and begin the
> checklist?
>
> Paul
>
>
>>No Problem,let me know ahead of time if you folks need my place. Saturday is not good
this week. Sunday ok.
>>My number 452-4655 not long distance any longer from Boise ;-)
>>
>>
>>>>>stephanie@... 08/08/02 10:49PM >>>
>>>>
>>Randy's house if fine with me if it's ok with Randy. I live about 6
>>miles northwest of Randy. Can you give me a clue what you are going to
>>mount? Is it internal or external? Will it mount to a standard mounting
>>fixture? Did you get the dimensions for the internal mounting fixture?
>>
>>Never mind, I'll give you a call or call me at 739-1111. I am back to
>>work tomorrow night and I work all night so call anytime.
>>
>>Stephanie
>>
>>
>>
>>verhap@... wrote:
>>
>>>Stephanie, please give me a call. I know where Randy lives,
>>>perhaps we can meet there. I'd like to bring some equipment and
>>>show you what I'd like to bolt to your airframe. After that, I'd like to
>>>take it home and do the work.
>>>
>>>Paul
>>>631-7162

>>>
>>>
>>>
>>>>Like I said, I don't care where we meet. I have some time yet this
>>>>evening. If you don't mind working on my messy kitchen table you can
>>>>come here or I'll meet you where ever you want.
>>>>
>>>>Stephanie
>>>>
>>>>
>>>>
>>>>pverhage1960 wrote:
>>>>
>>>>
>>>>>Where do you want to meet tomorrow?
>>>>>
>>>>>Paul
>>>>>
>>>>>--- In tvnsp@y..., Stephanie Steele <stephanie@k...> wrote:
>>>>>
>>>>>
>>>>>
>>>>>>Hi Paul,
>>>>>>
>>>>>>I have some time tomorrow evening or on the 14th or 15th or the
>>>>>
>>>>>22nd or
>>>>>
>>>>>
>>>>>
>>>>>>23rd. I don't care where we meet. I don't have much room to work at
>>>>>
>>>>>my
>>>>>
>>>>>
>>>>>
>>>>>>house so you name it.
>>>>>>
>>>>>>Stephanie
>>>>>>
>>>>>>
>>>>>>verhap@o... wrote:
>>>>>>
>>>>>>
>>>>>>
>>>>>>>Stephanie, when and where can I get with you? I'll need your
>>>>>>>capsule to load the camera and to make its cable.
>>>>>>>
>>>>>>>Paul
>>>>>>>

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>>>>>>Stephanie
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>>>>>>**********
>>>>>>
>>>>>>Friends are quiet angels who lift us to our feet when our wings
>>>>>
>>>>>have
>>>>>
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>>>>>
>>>>>>trouble remembering how to fly.
>>>>>>
>>>>>>**********
>>>>>>
>>>>>>"They that can give up essential liberty to obtain a little
>>>>>
>>>>>temporary
>>>>>
>>>>>
>>>>>
>>>>>>safety deserve neither liberty nor safety."
>>>>>>
>>>>>>Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11,
>>>>>
>>>>>1773.
>>>>>
>>>>>
>>>>>
>>>>>>"Those who desire to give up freedom in order to gain security will
>>>>>
>>>>>not
>>>>>
>>>>>
>>>>>
>>>>>>have, nor do they deserve, either one."
>>>>>>

>>>>>>President Thomas Jefferson.
>>>>>> 1743-1826
>>>>>>
>>>>>>**********
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>>>>>>it and highly recommend it as a safe and reliable means to conduct
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>>>>>>copying or the taking of any action based upon the information
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>>>>>contained in
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>>>>Stephanie
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>>>>
>>>>**********
>>>>
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>>>>business. By using the link below we both will receive a $5 sign up bonus.
>>>>
>>>>https://www.paypal.com/refer/pal=kc7dba%40arrl.net
>>>>
>>>>**********
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>>*********************************
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>>

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>>https://www.paypal.com/refer/pal=kc7dba%40arrl.net
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> tvnsp-unsubscribe@egroups.com
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Stephanie

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****

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President Thomas Jefferson.
1743-1826

****

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business. By using the link below we both will receive a $5 sign up bonus.

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3546. Re: Stephanie's Capsule

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-09 18:22:48 UTC
From: n1ltv
Topic: 3452 Message: 3546

> I will need to make sure that it
> seals adequately as my capsule is designed to have minimal
> air transfer between the outside enviroment and the
> capsule interior.

Stephanie,

I hope you are aware that every ounce (almost) of air will be *removed* when your payload rises into the near vacuum at high altitudes, and conversely *all new air* will enter your capsule on its way down into the normal surface pressure environment.

You can seal against "drafts" entering your capsule at low altitudes, but that's about it. The air transfer will eventually be 100% no matter what you do (short of a pressure vessel).

Hank

3547. Re: [tvnsp] Help Moving Mirrors

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-09 18:26:58 UTC
From: kc7dpd@velocitus.net
Topic: 3532 Message: 3547

Paul, when do you need them to be moved? I have a tow hitch on my truck. I am free on Saturday, then not again until next Thursday.
About the parachute fabric, Stephanie has it right now.....maybe she can bring it in to the meeting tonight if she can?
Mike KC7DPD

> I have three 48" mirrors in SLC that need to be moved to Boise.
> The mirrors use to be a part of the Flys Eye cosmic ray telescope. I
> was planning to bring them back on a U-Haul trailer, but my Jeep is
> not drivable at this time. Is there someone who might be able to tow
> a trailer for me and the Discovery Center to move the mirrors back? I
> would pay for your gas and meals.
>
> The mirrors are in 6 foot frames and weigh 75 pounds each. They
> are 9" deep. I figure we can load all three inside a trailer and wrap
> them in moving blankets.
>
> Let me know if you can help or if you know someone who might be
> able to help.
>
> Thanks,
> Paul
>
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3548. Re: [tvnsp] TVNSP 02D pictures posted on web for easy viewing

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-09 18:38:12 UTC
From: kc7dpd@velocitus.net
Topic: 3540 Message: 3548

I think the trouble is that you have to be logged in to Yahoo before you
can see the groups pictures.....sorry for the trouble!
Mike KC7DPD

> It's funny, I was thinking that it's pretty slick
> how yahoogroups displays uploaded pictures.
>
> However if even several people are having troubles
> with viewing the pictures there that's not good.
>
> I decided to do a quick photo gallery on my webpage
> to remedy this difficulty, and secondarily show
> how it takes only a little time and a little effort
> to get this stuff on the TVNSP web page where it
> really belongs. I know Mike when he gets his computer
> all straightened out will be getting the TVNSP web page
> in gear with updated info, data, and pics.
>
> No special web software was used for this, and I use
> an old $49 computer (just barely above a 486) and
> a slow KMart (really!) internet connection.
>
> See Mike Garske's nice 02D pictures at:
>
> htp://www.geocities.com/n1ltv/tv02d.htm
>
> Hank
>
>
> ------------------------ Yahoo! Groups Sponsor
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> http://us.click.yahoo.com/pt6YBB/NXiEAA/Ey.GAA/RGYolB/TM
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3549. Re: TVNSP 02D pictures posted on web for easy viewing

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-09 19:05:26 UTC
From: n1ltv
Topic: 3540 Message: 3549

Mike,

Thank you again for taking the great pictures in the first
place, and then posting them.

The yahoo thing is just a
little glitch. I had a heck of a time just getting registered
on these lists in the first place due to the fact that I'd
been a geocities website client for years and then yahoo bought
geocities, so geocities records and registrations were all mixed up
with yahoo stuff. That was a giant mess.

A few pictures are so superior to tons of words,
and this armchair western adventurer now has
a real good idea of what Bully Creek looks like.

On that photo gallery page I cropped and expanded
your Artic capsule studio shot to get a closer look,
but unfortunately the images you prepared
correctly with low resolution for web display do not
expand very well before going to pieces.

If you could send a moderate resolution (100k to
400 kbytes) to me, I could get a nice closeup out of
it.

n1ltv@... for anything over 20k bytes

Or if you could do that I'd appreciate it. A
full frame of nothing but capsule is what I'd like.
to get.

Hank

3550. New file uploaded to tvnsp

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-09 20:31:48 UTC
From: tvnsp@yahoogroups.com
Topic: 794 Message: 3550

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the tvnsp
group.

File : /TV02D Thermochron.TXT
Uploaded by : jmel36 <jmel36@...>
Description : Thermochron Log of Flight TV02D

You can access this file at the URL

http://groups.yahoo.com/group/tvnsp/files/TV02D%20Thermochron.TXT

To learn more about file sharing for your group, please visit

http://help.yahoo.com/help/us/groups/files

Regards,

jmel36 <jmel36@...>

3551. Re: Balloon Ascent Speeds

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-09 20:36:55 UTC
From: n1ltv
Topic: 3538 Message: 3551

> I wrote a computer simulation to model the
> acceleration and velocity of a falling body (through a
> medium of density varying with position) which involves
> the solution of simultaneous differential equations.

Forgot the part about the non-constant density.

3552. Re: [tvnsp] TVNSP 02D pictures posted on web for easy viewing

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-09 20:54:19 UTC
From: Jeff Melanson
Topic: 3540 Message: 3552

Hi All,

Here is the link to the TV02D pictures that Hank has posted
for us.

http://www.geocities.com/n1ltv/tv02d.htm

I have already described most of the pictures but there is
one new one of the inside of the capsule.

In the upper left hand corner is the GPS35. Just under that
is a battery holder. It holds 4 AA 1700 mah batteries and is
the power supply for the GPS35.
The second battery holder is identical to the first one and
supplies the Alinco radio and the Tiny Track II. The long
silver looking item is the Tiny Track II wrapped in an
anti-static bag. No these bags are not conductive and won't
short anything out but do protect from static electricity.
The button in the middle with the yellow tab attached is the
thermochron. On the right is the Alinco DJ-S11 radio. On the
far right you can see the antenna connection. All this is
sitting in foam rubber that was cut out to the right shapes.
There is another block of foam rubber that goes on top of
all this and then the lid is closed and zipped shut.
The battery boxes have an on/off switch built in. After I
slide the switch to the on position I put a piece of tape
over them to make sure they can't turn off.

Jeff
KD7INN

n1ltv wrote:
>
> It's funny, I was thinking that it's pretty slick
> how yahoogroups displays uploaded pictures.
>
> However if even several people are having troubles
> with viewing the pictures there that's not good.
>
> I decided to do a quick photo gallery on my webpage
> to remedy this difficulty, and secondarily show
> how it takes only a little time and a little effort
> to get this stuff on the TVNSP web page where it
> really belongs. I know Mike when he gets his computer
> all straightened out will be getting the TVNSP web page
> in gear with updated info, data, and pics.

>
> No special web software was used for this, and I use
> an old $49 computer (just barely above a 486) and
> a slow KMart (really!) internet connection.
>
> See Mike Garske's nice 02D pictures at:
>
> htp://www.geocities.com/n1ltv/tv02d.htm
>
> Hank
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

3553. Re: [tvnsp] New file uploaded to tvnsp

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-09 21:05:52 UTC
From: Stephanie Steele
Topic: 3022 Message: 3553

Could someone please help with the interpretation of this data?

Stephanie

tvnsp@yahoogroups.com wrote:
> Hello,
>
> This email message is a notification to let you know that
> a file has been uploaded to the Files area of the tvnsp
> group.
>
> File : /TV02D Thermochron.TXT
> Uploaded by : jmel36 <jmel36@...>
> Description : Thermochron Log of Flight TV02D
>
> You can access this file at the URL
>
> http://groups.yahoo.com/group/tvnsp/files/TV02D%20Thermochron.TXT
>
> To learn more about file sharing for your group, please visit
>
> http://help.yahoo.com/help/us/groups/files
>
> Regards,
>
> jmel36 <jmel36@...>
>
>
>
>
>
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
>
>

--
Stephanie

****

Friends are quiet angels who lift us to our feet when our wings have
trouble remembering how to fly.

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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it and highly recommend it as a safe and reliable means to conduct
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https://www.paypal.com/refer/pal=kc7dba%40arrl.net

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3554. Re: [tvnsp] Help Moving Mirrors

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-09 21:09:17 UTC
From: Stephanie Steele
Topic: 3532 Message: 3554

I won't be at tonight's meeting as I am working. The fabric is still at
the seamstress in New Plymouth waiting for me to pick it back up. I'll
see about getting it picked up today so someone can get it from me or
Norma whenever.

Stephanie

kc7dpd@... wrote:
> Paul, when do you need them to be moved? I have a tow hitch on my truck. I
> am free on Saturday, then not again until next Thursday.
> About the parachute fabric, Stephanie has it right now.....maybe she can
> bring it in to the meeting tonight if she can?
> Mike KC7DPD
>
>
>
>
>>I have three 48" mirrors in SLC that need to be moved to Boise.
>>The mirrors use to be a part of the Flys Eye cosmic ray telescope. I
>>was planning to bring them back on a U-Haul trailer, but my Jeep is
>>not drivable at this time. Is there someone who might be able to tow
>>a trailer for me and the Discovery Center to move the mirrors back? I
>>would pay for your gas and meals.
>>
>>The mirrors are in 6 foot frames and weigh 75 pounds each. They
>>are 9" deep. I figure we can load all three inside a trailer and wrap
>>them in moving blankets.
>>
>>Let me know if you can help or if you know someone who might be
>>able to help.
>>
>>Thanks,
>>Paul
>>
>>------------------------ Yahoo! Groups Sponsor
>>----------------------~--> 4 DVDs Free +s&p Join Now
>>http://us.click.yahoo.com/pt6YBB/NXiEAA/Ey.GAA/RGYolB/TM
>>---~->
>>
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>>
>>
>>
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> tvnsp-unsubscribe@egroups.com
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>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
>
>

--
Stephanie

****

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****

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1743-1826

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3555. Re: TVNSP 02D pictures posted on web for easy viewing

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-09 21:12:55 UTC
From: n1ltv
Topic: 3540 Message: 3555

> The long
> silver looking item is the Tiny Track II wrapped in an
> anti-static bag.

Jeff,

Thanks for this description. I'd never have guessed what
that was, but I was sure wondering!

Let's get the flight and capsule information flowing at
TVNSP for the benefit of all who read this list, many
of whom have not been at meetings or launches.

Hank

3556. Re: [tvnsp] Re: Stephanie's Capsule

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-09 21:19:29 UTC
From: Stephanie Steele
Topic: 3452 Message: 3556

I understand that. I have designed my capsule to allow one complete (nearly so anyway) air exchange during the assent/descent cycle and not to 'breath' continuously as a 'loose' capsule will do. That is what I meant by 'minimal' air transfer. My theory is this, the outward venting of pressure during assent is of minimal concern to the environment of the capsule payload(s) including the batteries. The inward venting of pressure during descent is of significant concern as that air will be cold and will negatively effect available battery voltage. By controlling this as much as possible the pressure equalization that occurs on descent will be a single event that's effect on the batteries should be minimized by the design of the battery storage compartment, heat sink, insulation and the batteries positional relationship to the one heat producing item in the capsule, the GPS.

See, I do think before I act!

;-)

Stephanie

n1ltv wrote:
>>I will need to make sure that it
>>seals adequately as my capsule is designed to have minimal
>>air transfer between the outside enviroment and the
>>capsule interior.
>
>
> Stephanie,
>
> I hope you are aware that every ounce (almost) of air will be
> *removed* when your payload rises into the near vacuum at high
> altitudes, and conversely *all new air* will enter your capsule
> on its way down into the normal surface pressure environment.
>
> You can seal against "drafts" entering your capsule at low
> altitudes, but that's about it. The air transfer will
> eventually be 100% no matter what you do (short of a pressure
> vessel).
>
> Hank
>
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>

>
>
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>
>
>
>

--
Stephanie

****

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trouble remembering how to fly.

****

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safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

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3557. Thermochron interpreted

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-09 21:29:29 UTC
From: n1ltv
Topic: 3022 Message: 3557

> Could someone please help with the interpretation of this data?
>
> Stephanie

Temperature in capsule recorded every minute by microelectronic
miracle Thermochron device smaller in diameter than a quarter.

The log part of the record is the main thing. Log section below
is close to the 10:51 AM MDT takeoff time. Temperature
attained by battery power expended and maybe sun exposure
heats the capsule interior to over 100 F before it leaves the
ground.

Just about that 10:51 liftoff time the interior temperature
starts to decrease.

This all needs to be graphed.

Hank

[Time/Date Temperature] (Fahrenheit)

08/03/2002 10:49 , 101.3°F
08/03/2002 10:50 , 101.3°F
08/03/2002 10:51 , 101.3°F
08/03/2002 10:52 , 100.4°F
08/03/2002 10:53 , 99.5°F
08/03/2002 10:54 , 98.6°F
08/03/2002 10:55 , 97.7°F
08/03/2002 10:56 , 96.8°F
08/03/2002 10:57 , 95.9°F
08/03/2002 10:58 , 95.0°F
08/03/2002 10:59 , 94.1°F
08/03/2002 11:00 , 93.2°F
08/03/2002 11:01 , 92.3°F
08/03/2002 11:02 , 91.4°F
08/03/2002 11:03 , 89.6°F
08/03/2002 11:04 , 88.7°F

3558. Re: [tvnsp] 02D thermochron log

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-09 21:37:56 UTC
From: Jeff Melanson
Topic: 3515 Message: 3558

Paul,

It was my understanding that you would be making a graph of
the thermochron data and posting it. Are you still working
on that?

Jeff
KD7INN

verhap@... wrote:
>
> > Will you be uploading the 02D temp log any time now?
>
> I gave a copy to the chase crews at lunch. Can anyone load that
> log? I didn't bring my to the campus.
>
> Paul
>
>
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>
>
>
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3559. Re: Stephanie's Capsule

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-09 21:38:12 UTC
From: n1ltv
Topic: 3452 Message: 3559

> insulation and the batteries positional relationship to the
> one heat producing item in the capsule, the GPS.
>
> See, I do think before I act!

Sounds pretty good.

Your radio produces some heat I would think, though less
than the GPS since it only transmits intermittently.
The batteries also generate a tiny amount of heat.

3560. Re: 02D thermochron log

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-09 21:42:30 UTC
From: n1ltv
Topic: 3515 Message: 3560

> It was my understanding that you would be making a graph of
> the thermochron data and posting it

Jeff,

I'm disappointed that the Thermochron viewer software appears to need a valid Thermochron port enabled for the software to work.

I could have gotten a quick graph that way.

Hank

3561. Re: [tvnsp] Re: Stephanie's Capsule

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-09 21:49:15 UTC
From: Jeff Melanson
Topic: 3452 Message: 3561

Hank,

I have noticed that the GPS35 is very warm to the touch when
I power up the capsule for a while. It is significantly
warmer than any other components I've flown (which isn't
many). I have not noticed this with the radio and batteries
but I'm sure they must add a little heat.

Jeff
KD7INN

n1ltv wrote:
>
> > insulation and the batteries positional relationship to the
> > one heat producing item in the capsule, the GPS.
> >
> > See, I do think before I act!
>
> Sounds pretty good.
>
> Your radio produces some heat I would think, though less
> than the GPS since it only transmits intermittently.
> The batteries also generate a tiny amount of heat.
>
>
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3562. Re: [tvnsp] Re: 02D thermochron log

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-09 21:54:58 UTC
From: Jeff Melanson
Topic: 3515 Message: 3562

Hank,

I agree. Perhaps someone who is proficient with EXCEL could
do it. I'm afraid that doesn't describe me. It would be nice
to show temperature versus flight time and perhaps some
references to altitude.

Jeff

n1ltv wrote:
>
> > It was my understanding that you would be making a graph of
> > the thermochron data and posting it
>
> Jeff,
>
> I'm disappointed that the Thermochron viewer software appears
> to need a valid Thermochron port enabled for the software to
> work.
>
> I could have gotten a quick graph that way.
>
> Hank
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
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3563. where the heat comes and goes

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-09 22:01:58 UTC
From: n1ltv
Topic: 3452 Message: 3563

> I have noticed that the GPS35 is very warm to the touch when
> I power up the capsule for a while. It is significantly
> warmer than any other components I've flown (which isn't
> many).

Jeff,

This is because the entire power consumption of the GPS
goes to heat and that it runs all the time.

> I have not noticed this with the radio and batteries
> but I'm sure they must add a little heat.

A good part of the transmit power of the radio (maybe
30%) leaves the capsule and is dispersed in the
universe as RF power.

Most of the battery power developed is electricity which
is not dissipated as heat *in* the battery but rather heat
in the above two items, so the *internal* battery heat is
minor, but it is there because no battery is 100% efficient.

Kind of a theoretical principle that's nice to be aware of.
Nature pays attention to every bit of heat and other types
of energy and it's all accounted for. :)

Hank

3564. Re: 02D thermochron log

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-09 22:07:50 UTC
From: n1ltv
Topic: 3515 Message: 3564

> I agree. Perhaps someone who is proficient with EXCEL could
> do it. I'm afraid that doesn't describe me. It would be nice
> to show temperature versus flight time and perhaps some
> references to altitude.

I've started the longer process to plot, but I'm signing
off the computer.

The Thermochron software only does
Thermochron data, so it could eat that whole log file
in one bite and graph it without any human intervening
to format the data, which is what Excel and anything else
will need to have done.

3565. TVNSP 02D web typo corrected

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-09 22:12:25 UTC
From: n1ltv
Topic: 3540 Message: 3565

> See Mike Garske's nice 02D pictures at:
>
> http://www.geocities.com/n1ltv/tv02d.htm

As Jeff noticed, I wrote htp: before instead of
http: .

3566. Re: [tvnsp] where the heat comes and goes

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-09 22:13:17 UTC
From: Jeff Melanson
Topic: 3452 Message: 3566

n1ltv wrote:

> A good part of the transmit power of the radio (maybe
> 30%) leaves the capsule and is dispersed in the
> universe as RF power.

Hmmm...

How many years will it take for my signal to reach Alpha Centuri? :)

Jeff

3567. Re: [tvnsp] Re: 02D thermochron log

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-09 22:19:04 UTC
From: Lloyd's Hotmail Account
Topic: 3515 Message: 3567
Attachments: 1 described; binary payloads are missing from this source WARC

Here is a first stab at a plot. I am attaching because I am not sure how to

Get me the data for the altitude vs time, and I will plot that astime
permits.

cheers

Lloyd KD7JCG

----- Original Message -----
From: "Jeff Melanson" <kd7inn@...>
To: <tvnsp@yahoogroups.com>
Sent: Friday, August 09, 2002 3:54 PM
Subject: Re: [tvnsp] Re: 02D thermochron log

Hank,

I agree. Perhaps someone who is proficient with EXCEL could
do it. I'm afraid that doesn't describe me. It would be nice
to show temperature versus flight time and perhaps some
references to altitude.

Jeff

n1ltv wrote:
>
> > It was my understanding that you would be making a graph of
> > the thermochron data and posting it
>
> Jeff,
>
> I'm disappointed that the Thermochron viewer software appears
> to need a valid Thermochron port enabled for the software to
> work.
>
> I could have gotten a quick graph that way.
>
> Hank
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
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3568. New file uploaded to tvnsp

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-09 22:53:39 UTC
From: tvnsp@yahoogroups.com
Topic: 794 Message: 3568

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the tvnsp
group.

File : /TV02Dmap.doc
Uploaded by : jmel36 <jmel36@...>
Description : TV02D Predicted versus Actual Flight Path

You can access this file at the URL

http://groups.yahoo.com/group/tvnsp/files/TV02Dmap.doc

To learn more about file sharing for your group, please visit

http://help.yahoo.com/help/us/groups/files

Regards,

jmel36 <jmel36@...>

3569. Test of Three-peat One

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-10 01:09:24 UTC
From: Stephanie Steele
Topic: 3569 Message: 3569

BTW, for those 'unfortunate' souls who missed it, I did a test to failure yesterday with my capsule in flight configuration. You might have seen it zooming around the Treasure Valley at a near constant altitude. With fresh alkaline batteries it ran for just over 20 hours before running out of power. In checking the log I observed no problems in the data during the entire test. Flight batteries will be Lithium of course.

For those inquiring minds.....

--
Stephanie

****

Friends are quiet angels who lift us to our feet when our wings have trouble remembering how to fly.

****

"They that can give up essential liberty to obtain a little temporary safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

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3570. Re: [tvnsp] where the heat comes and goes

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-10 02:23:50 UTC
From: Rick Widmer
Topic: 3452 Message: 3570

>
> How many years will it take for my signal to reach Alpha
> Centuri? :)
>

About 4.4 years.

Rick

3571. Where did the program go?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-10 04:03:10 UTC
From: Jeff Melanson
Topic: 3571 Message: 3571

Hi Rick,

Haven't heard from you in a while. Some time back you wrote a program that would sort out APRS logs and pull out information for a particular tracker. You had a link to it but that link wasn't working the last time I checked. Is it still available? What is the link?

Jeff
KD7INN

3572. Re: [tvnsp] Where did the program go?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-10 11:43:12 UTC
From: Rick Widmer
Topic: 3571 Message: 3572

Not right now. I lost my frame relay connection to the office where
that program was located, and I can't run servers over my new cable
modem connection. (The price is much better though.) I will have to
transfer the program to another machine. When I do it will be located at:

http://aprs.rickwidmer.com

If I haven't told you it is running again within a week bug me again.

Rick

Jeff Melanson wrote:
> Hi Rick,
>
> Haven't heard from you in a while. Some time back you wrote
> a program that would sort out APRS logs and pull out
> information for a particular tracker. You had a link to it
> but that link wasn't working the last time I checked. Is it
> still available? What is the link?

3573. Re: Help Moving Mirrors

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-10 18:06:29 UTC
From: pverhage1960
Topic: 3532 Message: 3573

--- In tvnsp@y..., <kc7dpd@v...> wrote:
> Paul, when do you need them to be moved? I have a tow hitch on my truck. I
> am free on Saturday, then not again until next Thursday.
> About the parachute fabric, Stephanie has it right now.....maybe she can
> bring it in to the meeting tonight if she can?

Oh, I just thought of something. You have an open bed truck. The mirrors are in mounts that are 6' across and 9" deep. We may be able to move them in the back of your truck and not have to rent a trailer. Can you move them over the Labor Day weekend?

Paul

3574. New file uploaded to tvnsp

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-10 20:57:11 UTC
From: tvnsp@yahoogroups.com
Topic: 794 Message: 3574

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the tvnsp
group.

File : /TV02DAPRSlog.txt
Uploaded by : jmel36 <jmel36@...>
Description : TV02D Raw APRS Log

You can access this file at the URL

http://groups.yahoo.com/group/tvnsp/files/TV02DAPRSlog.txt

To learn more about file sharing for your group, please visit

http://help.yahoo.com/help/us/groups/files

Regards,

jmel36 <jmel36@...>

3575. New file uploaded to tvnsp

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-10 21:31:07 UTC
From: tvnsp@yahoogroups.com
Topic: 794 Message: 3575

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the tvnsp
group.

File : /Actual_versus_Predicted.SA8
Uploaded by : jmel36 <jmel36@...>
Description : TV02D Actual versus Predicted flight

You can access this file at the URL

http://groups.yahoo.com/group/tvnsp/files/Actual_versus_Predicted.SA8

To learn more about file sharing for your group, please visit

http://help.yahoo.com/help/us/groups/files

Regards,

jmel36 <jmel36@...>

3576. Re: [tvnsp] New file uploaded to tvnsp

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-10 21:35:00 UTC
From: Jeff Melanson
Topic: 3022 Message: 3576

I changed the name of the file. Use this link.

> You can access this file at the URL
>
> http://groups.yahoo.com/group/tvnsp/files/TV02D_Actual_versus_Predicted.SA8
>
> To learn more about file sharing for your group, please visit
>
> http://help.yahoo.com/help/us/groups/files
>
> Regards,
>
> jmel36 <jmel36@...>
>
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

3577. Canon Elph modifications

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-11 20:30:20 UTC
From: Mark Conner
Topic: 3577 Message: 3577

Hi,

Can someone on the list tell me which solder pads to work with to modify a Canon Elph LT for electronic shutter control? I checked Bill's pictures on the TVNSP area, but they aren't quite clear enough to tell what to hook up, and this page http://www.pixelgate.net/~deepdiver/camera.html gives no specifics. Bill's old web page may have had the specifics, but it's no longer available. It appears the camera won't operate w/o film in it, and I'm not (quite) ready to waste a roll of film on testing.

My understanding is that two pads need to be shorted to a third to trip the shutter. Anyone know which pads?

73 de Mark N9XTN

Mark D. Conner
E-mail: n9xtn@...
Homepage: http://members.cox.net/mconner1
"Arrogance and stupidity, all in the same package.....how efficient of you!" - Ambassador Londo Mollari, Babylon 5

3578. Re: [KNSP] Canon Elph modifications

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-11 21:12:58 UTC
From: Bill All N3KKM
Topic: 3577 Message: 3578

Looking at the top of the shutter button with the front of the camer facing you, the pads on the lower left and lower right (as you are looking down) are the ones that I shorted together, but I did it with individual wires and shorted them together at the plug end (a three pin Deans Connector). The common,or ground, pad is the upper left. The lower left and right pads were shorted together to get the camera to do its automatic focusing thing and then trip the shutter. There was never a problem with the two shorted together. The camera shutter button is a two step button and pushing it halfway enabled the autofocus, and pressing it further tripped the shutter.

Mark I did not remember the part about it needing film to work. I'm sure that I had done my testing without film.
By the way - On the opposite side of the camera is the flash capacitor. STAY AWAY from that end of the camera!

We're doing well here in Greenville NC. Enjoying many more weekends with family. Sorry that I missed the Great Plains Super Launch. Sounds like you guys had a great time and nice attendance.

Bill All

At 04:30 PM 8/11/2002, you wrote:
>Hi,
>
>Can someone on the list tell me which solder pads to work with to
>modify a Canon Elph LT for electronic shutter control? I checked
>Bill's pictures on the TVNSP area, but they aren't quite clear
>enough to tell what to hook up, and this page
>http://www.pixelgate.net/~deepdiver/camera.html
>gives no specifics. Bill's old web page may have had the
>specifics, but it's no longer available. It appears the camera
>won't operate w/o film in it, and I'm not (quite) ready to waste
>a roll of film on testing.
>
>My understanding is that two pads need to be shorted to a third
>to trip the shutter. Anyone know which pads?
>
>73 de Mark N9XTN
>
>------
>Mark D. Conner
>E-mail: n9xtn@...
>Homepage: http://members.cox.net/mconner1
>"Arrogance and stupidity, all in the same package.....how
> efficient of you!" - Ambassador Londo Mollari, Babylon 5

>
>
>
>
>
>To unsubscribe from this group, send an email to:
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>
>List owner: KNSP-owner@yahoogroups.com
>Group URL: http://groups.yahoo.com/group/KNSP
>
>
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3579. O2D predicted tracks and landing point maps

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-12 02:13:45 UTC
From: Hank Riley
Topic: 3579 Message: 3579
Attachments: 2 described; binary payloads are missing from this source WARC

There will be an explanation of these maps in a separate message. The short version is that my prediction of Saturday morning was only off by about 3.5 miles, but it was just lucky the way the numbers worked out. John's Saturday prediction was only about a mile worse.

Hank

_____
Send and receive Hotmail on your mobile device: http://mobile.msn.com

3580. Calendar and Poster

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-12 19:34:15 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3580 Message: 3580

The calendars are $20. We need to give them 12 pictures to put on the calendar. If anyone is interested in a near space calendar, please let me know. If you have photos to include. let me know, also. We really need to get some photos!

Kinkos makes large posters from photographs and mounts them on foam core. For abour $30 you can get a mounted 18" X 24" mounted poster. Is anyone interested in getting a poster from 86,000 feet from the GPSL launch?

Paul

3581. Wednesday Capsule Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-12 19:36:47 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3581 Message: 3581

I'll pick up Stephanie's capsule on Wednesday. I'll bring my capsule stuff to show how everything will be put together. I will also bring notes on the flight plan for this launch.

Does anyone want to meet at the Slizzler in Ontario for this?

I'll be in SLC torrow and back in town on Wed morning. I'll check email once I get back. Let me if there's any interest?

Paul

3582. Bumper Sticker

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-12 19:43:51 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3582 Message: 3582

I thought up a new one...

Will Chase Balloons For Food

Paul

3583. Re: [tvnsp] Wednesday Capsule Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-13 05:07:47 UTC
From: Stephanie Steele
Topic: 3581 Message: 3583

Pick up my capsule???????????

verhap@... wrote:
> I'll pick up Stephanie's capsule on Wednesday. I'll bring my
> capsule stuff to show how everything will be put together. I will
> also bring notes on the flight plan for this launch.
>
> Does anyone want to meet at the Slizzler in Ontario for this?
>
> I'll be in SLC torrow and back in town on Wed morning. I'll check
> email once I get back. Let me if there's any interest?
>
> Paul
>
>
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>
>
>
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>
>
>
>

--
Stephanie

****

Friends are quiet angels who lift us to our feet when our wings have
trouble remembering how to fly.

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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****

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3584. Re: [tvnsp] Thermochron interpreted

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-15 15:34:18 UTC
From: John Knapp
Topic: 3022 Message: 3584

I have a plot of the data but not sure how to get it
out to the group. I may send it to Hank and Stephanie
and let them post it out.

JohnK
KD7HGS

--- n1ltv <n1ltv@...> wrote:
>
> > Could someone please help with the interpretation
> of this data?
> >
> > Stephanie
>
> Temperature in capsule recorded every minute by
> microelectronic
> miracle Thermochron device smaller in diameter than
> a quarter.
>
> The log part of the record is the main thing. Log
> section below
> is close to the 10:51 AM MDT takeoff time.
> Temperature
> attained by battery power expended and maybe sun
> exposure
> heats the capsule interior to over 100 F before it
> leaves the
> ground.
>
> Just about that 10:51 liftoff time the interior
> temperature
> starts to decrease.
>
> This all needs to be graphed.
>
> Hank
>

>
>
> [Time/Date Temperature] (Fahrenheit)
>
>
> 08/03/2002 10:49 , 101.3?F
> 08/03/2002 10:50 , 101.3?F

> 08/03/2002 10:51 , 101.3?F
> 08/03/2002 10:52 , 100.4?F
> 08/03/2002 10:53 , 99.5?F
> 08/03/2002 10:54 , 98.6?F
> 08/03/2002 10:55 , 97.7?F
> 08/03/2002 10:56 , 96.8?F
> 08/03/2002 10:57 , 95.9?F
> 08/03/2002 10:58 , 95.0?F
> 08/03/2002 10:59 , 94.1?F
> 08/03/2002 11:00 , 93.2?F
> 08/03/2002 11:01 , 92.3?F
> 08/03/2002 11:02 , 91.4?F
> 08/03/2002 11:03 , 89.6?F
> 08/03/2002 11:04 , 88.7?F
>
>

_____
Do You Yahoo!?
HotJobs - Search Thousands of New Jobs
http://www.hotjobs.com

3585. Re: Thermochron interpreted

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-15 17:04:33 UTC
From: n1ltv
Topic: 3022 Message: 3585

> I have a plot of the data but not sure how to get it
> out to the group.

Thanks, John. I received the spreadsheet file but I've such an old version of Excel that it won't take this so I'm not able to see what you have.

The xls file can be emailed to the list as an attachment, or could be uploaded to the TVNSP file area.

I usually like to make gif picture files of all this kind of stuff so that it's never a problem to see it, but that method has the disadvantage of not distributing the basic data so others could work on it if they had Excel or other special software such as Street Atlas for the SA map files.

Hank

3586. TV02E Config

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-15 21:01:29 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3586 Message: 3586
Attachments: 2 described; binary payloads are missing from this source WARC

I've put together a first draft documenting the configuration for my
TV02E capsule. Please take a look and make recommendations.
I'd like to do these for each flight. They can be put into our
webpage along with data from the flights.

In addition, if we're willing to pay for the copies, we can create a file
for everyone about the flight. Photogtaphs, graphs, flight code, etc
could be included. At the next meeting I'll show one of my flight
files.

Paul

3587. Thermochrons

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-15 21:05:51 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 915 Message: 3587

We need two thermochrons for Stephanie's capsule. One will go into her battery box and the other into a more central location of the capsule. I've got one, Jeff, can you supply the second one?

Paul

3588. Re: [tvnsp] Thermochrons

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-16 02:25:22 UTC
From: Jeff Melanson
Topic: 915 Message: 3588

Yes.

Jeff

verhap@... wrote:
>
> We need two thermochrons for Stephanie's capsule. One will go
> into her battery box and the other into a more central location of
> the capsule. I've got one, Jeff, can you supply the second one?
>
> Paul
>
>
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> tvnsp-unsubscribe@egroups.com
>
>
>
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3589. Re: [tvnsp] TV02E Config

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-16 07:05:34 UTC
From: Stephanie Steele
Topic: 3586 Message: 3589

I think the idea to create a file for each flight is great but I would
suggest creating it in Adobe Acrobat and then distributing it as a PDF
to those interested.

Stephanie

verhap@... wrote:
> I've put together a first draft documenting the configuration for my
> TV02E capsule. Please take a look and make recommendations.
> I'd like to do these for each flight. They can be put into our
> webpage along with data from the flights.
>
> In addition, if we're willing to pay for the copies, we can create a file
> for everyone about the flight. Photogtaphs, graphs, flight code, etc
> could be included. At the next meeting I'll show one of my flight
> files.
>
> Paul
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
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>
>
>
> --
>
> The following section of this message contains a file attachment
> prepared for transmission using the Internet MIME message format.
> If you are using Pegasus Mail, or any another MIME-compliant system,
> you should be able to save it or view it from within your mailer.
> If you cannot, please ask your system administrator for assistance.
>
> ---- File information -----------
> File: missio~1.doc
> Date: 15 Aug 2002, 11:56
> Size: 25600 bytes.
> Type: Unknown

--
Stephanie

****

Friends are quiet angels who lift us to our feet when our wings have
trouble remembering how to fly.

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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de recta non tolerandum sunt

3590. Re: TV02E Config

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-16 16:06:11 UTC
From: k7jps
Topic: 3586 Message: 3590

Stephanie, I agree that Acrobat would improve the ability to share the files, but do we have somebody that has the full version of Adobe that can take the various files we would generate and convert them for Mike to post?

John the younger
K7JPS

--- In tvnsp@y..., Stephanie Steele <stephanie@k...> wrote:
I think the idea to create a file for each flight is great but I would suggest creating it in Adobe Acrobat and then distributing it as a PDF to those interested.

Stephanie

3591. Re: [tvnsp] Re: TV02E Config

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-16 17:01:50 UTC
From: Zack Clobes
Topic: 3586 Message: 3591

I've got Acrobat if you send me a source file.

Zack Clobes, W0ZC
Project: Traveler
----- Original Message -----
From: k7jps
To: tvnsp@yahoogroups.com
Sent: Friday, August 16, 2002 11:06 AM
Subject: [tvnsp] Re: TV02E Config

Stephanie, I agree that Acrobat would improve the ability to share
the files, but do we have somebody that has the full version of Adobe
that can take the various files we would generate and convert them
for Mike to post?

John the younger
K7JPS

--- In tvnsp@y..., Stephanie Steele <stephanie@k...> wrote:
I think the idea to create a file for each flight is great but I
would suggest creating it in Adobe Acrobat and then distributing it
as a PDF to those interested.

Stephanie

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3592. Re: [tvnsp] Re: TV02E Config

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-16 17:11:30 UTC
From: Stephanie Steele
Topic: 3586 Message: 3592

Yes, I have it and so does Zack who offered to do the conversion for us.

Stephanie

k7jps wrote:
> Stephanie, I agree that Acrobat would improve the ability to share
> the files, but do we have somebody that has the full version of Adobe
> that can take the various files we would generate and convert them
> for Mike to post?
>
> John the younger
> K7JPS
>
> --- In tvnsp@y..., Stephanie Steele <stephanie@k...> wrote:
> I think the idea to create a file for each flight is great but I
> would suggest creating it in Adobe Acrobat and then distributing it
> as a PDF to those interested.
>
> Stephanie
>
>
>
>
>
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>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
>
>

--
Stephanie

****

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****

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Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

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President Thomas Jefferson.
1743-1826

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3593. TV02E Config converted to ascii plain text

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-16 18:00:25 UTC
From: n1ltv
Topic: 3586 Message: 3593

```
Mission TV02E Configuration

1. Capsule Configuration
A. I/O Port
Port Instrument
8 Relative Humidity Sensor
9 Not Used This Flight
10 Camera Shutter
11 Geiger Counter
12 Not Used This Flight
13 Flight Data Recorder
14 Flight Data Recorder
15 Flight Data Recorder
B. Servo Port
Port Servo
0 Camera Scan Platform
1 Not Used This Flight
2 Not Used This Flight
3 Not Used This Flight
4 Not Used This Flight
5 Not Used This Flight
6 Not Used This Flight
7 Not Used This Flight
C. ADC Port
Port Measurement
0 Servo V
1 Air Temp
2 Main V
3 CC/PS Temp
4 MLI Test 4 (3 layers MLI)
5 MLI Test 3 (2 layers MLI)
6 MLI Test 2 (1 layer MLI)
7 MLI Test 1 (0 layer MLI)
D. High Power
Port I/O Port Device
0 Not Used This Flight
1 Not Used This Flight
2 Not Used This Flight
3 Not Used This Flight
4 Not Used This Flight
5 Not Used This Flight
6 Not Used This Flight
7 Not Used This Flight
```

2. Preflight
A. Prelaunch Countdown: 10 minutes
B. System Monitoring
- GPS Altitude
- Main Voltage

3. Flight
A. Data Cycle Timing: 1 minute, 7 seconds
B. Experiments
- MLI Test
Temperature monitored in four 2" cubes, with 0,1,2, or 3
layers of MLI
One measurement taken every data cycle
- APS Camera on Scan Platform
Three ground photos taken after countdown and altitude
change of 150m
Ascent ground photograph equation: altitude - 760 > 70*
(photo number)^2
Three horizontal photographs taken at 85, 90, and
95,000 feet
Three photographs at balloon burst
Ground photographs taken during descent every approx two
minutes once below 6560 feet
- Environmental Sounder (temperature and relative humidity)
One measurement taken every data cycle
- Geiger Counter
One measurement taken every data cycle
Each measurement lasts 10 seconds
C. Data Format
- Example: 009,2713,8,747.5,0.0,0.0,0.0,2983,2435,2972,2994,1234,
2345,4000, 2832,050,001,03227,002,*
- Max Record Length: 95 bytes
- Data Interpretation
Record Count
Time in UTC with no hours (derived from $GPGGA sentence)
Altitude in meters (derived from $GPGGA sentence and may
contain extraneous data)
Three-dimensional velocity (derived from $PGRMV sentence)
ADC-1 (servo voltage)
ADC-2 (air temperature)
ADC-3 (main bus voltage)
ADC-4 (CC/PS temperature)
ADC-5 (MLI experiment)
ADC-6 (MLI experiment)
ADC-7 (MLI experiment)
ADC-8 (MLI experiment)
Photograph number (number taken is followed by a 1 if new
photograph)
High Photos (95,90,85k feet, 0 = none, 1 = taken)
Relative humidity value
Cosmic ray count

4. Recovery
A. Data Cycle Timing: 24 seconds
B. Experiments
- MLI Test
Temperature monitored in four 2" cubes, with 0,1,2, or 3
layers of MLI
One measurement taken every data cycle
- APS camera on scan platform
Ground photographs taken during descent every approx
two minutes once below 6560 feet
C. Data Format
- Example:
111,2713,8,747.5,0.0,0.0,0.0,2983,2435,2972,2994,1234,2345,
4000,2832,050,*
- Max record length: 81 bytes
- Data Interpretation
Record Count
Time in UTC with no hours (derived from $GPGGA sentence)
Altitude in meters (derived from $GPGGA sentence and may
contain extraneous data)
Three-dimensional velocity (derived from $PGRMV sentence)
ADC-1 (servo voltage)
ADC-2 (air temperature)
ADC-3 (main bus voltage)
ADC-4 (CC/PS temperature)
ADC-5 (MLI experiment)
ADC-6 (MLI experiment)
ADC-7 (MLI experiment)
ADC-8 (MLI experiment)
Photograph number (number taken is followed by a 1 if new
photograph)

3594. Re: TV02E Config converted to ascii plain text

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-16 18:03:26 UTC
From: n1ltv
Topic: 3586 Message: 3594

The only thing lost in this translation of an MS WORD doc file to plain text was a few bold type words.

If possible it's nice to use plain text on a mail list.

Hank

3595. Adobe Acrobat / was TV 02E config

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-16 18:07:02 UTC
From: n1ltv
Topic: 3595 Message: 3595

In a rare instance for me for expensive commercial software, I also have the full Adobe Acrobat software.

I got a super deal on a slightly outdated version.

3596. TV 02D "volunteer" webpage

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-16 18:23:06 UTC
From: n1ltv
Topic: 3596 Message: 3596

I guess I'll expand that temporary webpage I did
that at first just contained Mike's pictures of 02D.

I'll be adding some of the various maps, files,
and graphs that have been produced.

Getting the material generated by a flight on a
webpage within a week or two after the flight
shouldn't be too hard for TVNSP to do.

Hank

3597. Re: [tvnsp] TV 02D "volunteer" webpage

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-16 19:10:45 UTC
From: Michael Garske
Topic: 3596 Message: 3597

Hank,

I am in the process of building the TVNSP website as we speak. Thank you for your efforts so far to get the information about the latest flight onto the web, but I would like to concentrate the efforts towards one website. TVNSP has been hosted, and I am doing some layout changes and gathering pictures for it right now. I will be announcing the "official" opening of www.tvnsp.org within two weeks. I lost alot of work when my computer crashed and it has been a considerable effort to get back to a point where I can work on the website. Again, thanks for your help in getting information out on the web, but when I get TVNSP going, I would like to see it all on one site.

Mike Garske KC7DPD
kc7dpd@...

TVNSP Webmaster

----- Original Message -----
From: "n1ltv" <n1ltv@...>
To: <tvnsp@yahoogroups.com>
Sent: Friday, August 16, 2002 12:23 PM
Subject: [tvnsp] TV 02D "volunteer" webpage

> I guess I'll expand that temporary webpage I did
> that at first just contained Mike's pictures of 02D.
>
> I'll be adding some of the various maps, files,
> and graphs that have been produced.
>
> Getting the material generated by a flight on a
> webpage within a week or two after the flight
> shouldn't be too hard for TVNSP to do.
>
> Hank
>
>
>
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> tvnsp-unsubscribe@egroups.com
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>
>

3598. Re: TV 02D "volunteer" webpage

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-16 21:04:58 UTC
From: n1ltv
Topic: 3596 Message: 3598

> I guess I'll expand that temporary webpage I did
> that at first just contained Mike's pictures of 02D.

Sorry for not emphasizing the word *temporary*.

This *02D limited* webpage is only a *stopgap* until the real TVNSP webpage comes into existence updated or the existing one is updated. Then the idea was that the temporary 02D one will evaporate. That's what I meant by temporary.

It could even be of some help to Mike as one place where some of the material already generated could be downloaded.

I've emailed Mike offlist with a more detailed email on this general subject. The intent was to create the first web accessible (without yahoo restrictions) TVNSP flight information in about a year if I'm not mistaken.

Hank

3599. Next launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-17 03:00:17 UTC
From: John Knapp
Topic: 3538 Message: 3599

I believe we have a launch on Aug 24. If so, what is the predicted altitude, ascent rates, and descent rates? Also, do we have a preferred launch site? Or landing site?

Thanks
JohnK
KD7HGS

Do You Yahoo!?
HotJobs - Search Thousands of New Jobs
http://www.hotjobs.com

3600. Sept 7 Flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-17 03:04:39 UTC
From: John Knapp
Topic: 3452 Message: 3600

Paul, have you considered reserving a group site at Bruneau? It would make it easier for those of us going down to have a place to camp, plus we can be as a group instead of being spread out.

Deb and I are planning on going down.

JohnK
KD7HGS

_____
Do You Yahoo!?
Yahoo! Autos - Get free new car price quotes
http://autos.yahoo.com

3601. Re: [tvnsp] Next launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-17 05:10:02 UTC
From: Stephanie Steele
Topic: 3538 Message: 3601

These are questions that try men's minds. I was wondering the same things! I guess someone who know how should start running some predicitions so we can begin to formulate some plans. All I know is we are going for 95k with unknown ascent and descent rates. We could start using a landing site in the New Plymouth area. This would be good for winds out of the NW. Try using 43 58.007 / 116 50.018 for starters. I'll try and see what I can come up with but I don't have any confidence in my calculations.

Stephanie

John Knapp wrote:
> I believe we have a launch on Aug 24. If so, what is
> the predicted altitude, ascent rates, and descent
> rates? Also, do we have a preferred launch site? Or
> landing site?
>
> Thanks
> JohnK
> KD7HGS
>
> _____
> Do You Yahoo!?
> HotJobs - Search Thousands of New Jobs
> http://www.hotjobs.com
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
>
>

--
Stephanie

****

Friends are quiet angels who lift us to our feet when our wings have trouble remembering how to fly.

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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it and highly recommend it as a safe and reliable means to conduct
business. By using the link below we both will receive a $5 sign up bonus.

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3602. Re: [tvnsp] Next launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-17 14:02:30 UTC
From: Jeff Melanson
Topic: 3538 Message: 3602

Hi all,

Below is a copy of an email I sent some time back (Aug. 5th). It is a starting point. What we really need to know is the actual weight of the total payload to make better prediction. At the time that I sent this previous email Paul and I believed 10 pounds would be close. As far as a launch point goes let's so the same thing I did with my flight. Let's look at safe landing area's and then choose a launch point that will take us there. Keep in mind what we've talked about before which is staying away from things that tend to attract space capsules like a magnet!

Try your hand at Liftwin and see if you get the same results I did. Try varying the weight and see what happens.

TVNSP,

Aug 24th Flight.

This flight will be Paul and Stephanie's capsule's. Paul's capsule will have a tracker and a geiger counter. Stephanies capsule will have a tracker and a camera.

Total payload weight will be 10 pounds.
The balloon is a Kaymont 1500 gram.
Burst Altitude is 93,000 feet.
Ascent rate is 950 fpm.
Descent rate is 1200 fpm.
Free Lift will be 3.5 lbs.
Nozzle lift will be 13.5 lbs.
Time to Burst is 1.6 hrs.
Initial balloon diameter is 8.1 ft.
Burst diameter is 31 ft.

Jeff
KD7INN

3603. Aug 24th Flight Prediction.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-17 14:36:31 UTC
From: Jeff Melanson
Topic: 3603 Message: 3603

Hi all,

Curent Prediction:

Bearing 355
Range 43 miles

Burst Altitude is 93,000 feet.
Ascent rate is 950 fpm.
Descent rate is 1200 fpm.

Jeff
KD7INN

3604. GPS-35 Mag Mounts

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-17 15:34:36 UTC
From: Tony Barrett
Topic: 3604 Message: 3604

Hello Balloon Chasers,

I know quite a few of you got in on the Garmin GPS 35 deal through Stephanie Steele (KC7DBA). If you download the pdf files from the Garmin site that pertain to this series of models you'll see where they show a "magent mount" option. I actually fabricated one of these out of a vinyl magnet sheet I happened to come across a few years ago. It really works great. It hangs on to vehicle roofs at highway speeds and the soft vinyl magnet material won't mar the surface. The sheet is just slightly thicker than the heads of the countersunk M3 screws, so only the vinyl magnet pad touches the surface you stick this to. The screw heads are completely recessed.

Now I'd like to build a few more of these mag mounts. Trouble is, I can't seem to find vinyl magnet sheets of sufficient thickness. I've come up with some designs that use thinner sheets or different magnets, but I'm not ready to go there yet.

So I have two questions for the group:

1) Does anyone have a good source for vinyl magnet sheets approximately 0.075" thick that can be cut to 2.225 inches wide and 3.792" long? I've been corresponding with one company where their web site says they can supply this material, but the customer service people say they can't.

2) If I find a source for this material, how many of you would like some, and how many would you like? Hopefully they won't cost more than a buck or two each.

Thanks.

Best regards,

Tony

3605. Re: [tvnsp] GPS-35 Mag Mounts

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-17 15:46:03 UTC
From: Tim Rynearson
Topic: 3604 Message: 3605
Attachments: 2 described; binary payloads are missing from this source WARC

Tony,

Any sign shop that does magnetic signs should have the stuff in stock. I
ll check with the shop here in Emmett.

Tim

-------Original Message-------

From:tvnsp@yahoogroups.com
Date: Saturday, August 17, 2002 09:13:14 AM
To:TVNSP
Subject: [tvnsp] GPS-35 Mag Mounts

Hello Balloon Chasers,

I know quite a few of you got in on the Garmin GPS 35 deal through
Stephanie Steele (KC7DBA). If you download the pdf files from the Garmin
site that pertain to this series of models you'll see where they show a
"magent mount" option. I actually fabricated one of these out of a vinyl
magnet sheet I happened to come across a few years ago. It really works
great. It hangs on to vehicle roofs at highway speeds and the soft vinyl
magnet material won't mar the surface. The sheet is just slightly thicker
than the heads of the countersunk M3 screws, so only the vinyl magnet pad
touches the surface you stick this to. The screw heads are completely
recessed.

Now I'd like to build a few more of these mag mounts. Trouble is, I can't
seem to find vinyl magnet sheets of sufficient thickness. I've come up
with some designs that use thinner sheets or different magnets, but I'm not
ready to go there yet.

So I have two questions for the group:

1) Does anyone have a good source for vinyl magnet sheets approximately
0.075" thick that can be cut to 2.225 inches wide and 3.792" long? I've
been corresponding with one company where their web site says they can
supply this material, but the customer service people say they can't.

2) If I find a source for this material, how many of you would like some,
and how many would you like? Hopefully they won't cost more than a buck or
two each.

Thanks.

Best regards,

Tony

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3606. Re: [tvnsp] Aug 24th Flight Prediction.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-17 15:51:47 UTC
From: Stephanie Steele
Topic: 3603 Message: 3606

Hi Jeff,

Did you try using the lat/lon that I suggested for the landing site? If so, where does this put the launch? This puts the landing just west of New Plymouth. It's a little further south and west than what we have used in the past which should reduce the chance of ending up on squaw butte. The area south of I-84 is all open BLM ground with good access if the track drifts outside the valley.

For some reason I can not get the lat/lon information to import into street atlas. I came up with some numbers in balloon track but they don't match yours. Somehow that does not surprise me!

Stephanie

Jeff Melanson wrote:
> Hi all,
>
> Curent Prediction:
>
> Bearing 355
> Range 43 miles
>
> Burst Altitude is 93,000 feet.
> Ascent rate is 950 fpm.
> Descent rate is 1200 fpm.
>
> Jeff
> KD7INN
>
>
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> tvnsp-unsubscribe@egroups.com
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>
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>
>
>
>

--
Stephanie

****

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trouble remembering how to fly.

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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it and highly recommend it as a safe and reliable means to conduct
business. By using the link below we both will receive a $5 sign up bonus.

https://www.paypal.com/refer/pal=kc7dba%40arrl.net

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3607. Re: [tvnsp] Next launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-17 15:54:29 UTC
From: Stephanie Steele
Topic: 3538 Message: 3607

I will weigh my capsule and send out my weight. Paul said that we would not weigh them until the pre-flight meeting. I know he was shooting for 10 pounds but I would like to get some accurate weights for you all to work with. Paul, why don't you weigh your's and they can add the weight to mine. My weight will be my capsule and the link lines. Pauls will be everything else.

Stephanie

Jeff Melanson wrote:
> Hi all,
>
> Below is a copy of an email I sent some time back (Aug.
> 5th). It is a starting point. What we really need to know is
> the actual weight of the total payload to make better
> prediction. At the time that I sent this previous email Paul
> and I believed 10 pounds would be close. As far as a launch
> point goes let's so the same thing I did with my flight.
> Let's look at safe landing area's and then choose a launch
> point that will take us there. Keep in mind what we've
> talked about before which is staying away from things that
> tend to attract space capsules like a magnet!
>
> Try your hand at Liftwin and see if you get the same results
> I did. Try varying the weight and see what happens.
>
>
> TVNSP,
>
> Aug 24th Flight.
>
> This flight will be Paul and Stephanie's capsule's. Paul's
> capsule will have a tracker and a geiger counter. Stephanies
> capsule will have a tracker and a camera.
>
> Total payload weight will be 10 pounds.
> The balloon is a Kaymont 1500 gram.
> Burst Altitude is 93,000 feet.
> Ascent rate is 950 fpm.
> Descent rate is 1200 fpm.
> Free Lift will be 3.5 lbs.
> Nozzle lift will be 13.5 lbs.
> Time to Burst is 1.6 hrs.
> Initial balloon diameter is 8.1 ft.
> Burst diameter is 31 ft.

>
>
> Jeff
> KD7INN
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
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>
>
>
>

--
Stephanie

****

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****

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3608. preparing for the next launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-17 16:11:17 UTC
From: n1ltv
Topic: 3538 Message: 3608

> I will weigh my capsule and send out my weight. Paul said
> that we would not weigh them until the pre-flight meeting.
> I know he was shooting for 10 pounds but I would like to
> get some accurate weights for you all to
> work with. Paul, why don't you weigh your's and they can add
> the weight to mine.

Although the total weight only needs to affect the descent
speed (the free lift governs the ascent speed, so that can
be adjusted by amount of helium fill), it's really
nice to make an effort to have these weights about a week
before liftoff.

Thanks to Stephanie, Jeff, and John for getting this process
started a suitable time in advance. The upper winds prediction
should get fairly accurate around Wednesday, but this is not
too early to get a few rough estimates.

As was done with 02D, let's disclose what vital statistics
we're using for predictions.

Hank

3609. Re: [tvnsp] Aug 24th Flight Prediction.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-17 16:18:37 UTC
From: Randy Farley
Topic: 3603 Message: 3609

Hmmm

I came up with:
Bearing: 109 deg
Randge: 67 mi

Not good from New Plymouth ;(
Back to the drawing board ;-)

Jeff Melanson wrote:
>
> Hi all,
>
> Curent Prediction:
>
> Bearing 355
> Range 43 miles
>
> Burst Altitude is 93,000 feet.
> Ascent rate is 950 fpm.
> Descent rate is 1200 fpm.
>
> Jeff
> KD7INN
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

--
Regards,

Randy Farley
N7GPS -Ham Call-
My QTH at: http://map.findu.com/n7gps
Find Me Mobile at: http://map.findu.com/n7gps-9

3610. Tracking variables format

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-17 16:27:38 UTC
From: n1ltv
Topic: 3610 Message: 3610

As an example of the vital information that makes a
difference, here's what I used for 02D. The altitudes
don't make too much difference so don't worry about exact
figures. This is from Friday, August 2 on this list:

BT version 1.71

Balloon variables: 1000 up 1400 down 47k peak

Site variables: Launch alt. 3150 feet Landing alt. 3000 feet

WX variables: ETA model +21 hours Location BOI
Time 1500 UTC Saturday

3611. Re: [tvnsp] GPS-35 Mag Mounts

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-17 16:26:32 UTC
From: Randy Farley
Topic: 3604 Message: 3611

I could use TWO Tony.
I can check my sources at work monday.

BTW,i have such a magnet on my old factory
Garmin external antenna and it worked great.
They were proud of it 7 or 8 years ago. $169
Used it on my old Garmin 40 antique ;-)
The gps would go to sleep without its additional
help outside the vehicle.

Tony Barrett wrote:
>
> Hello Balloon Chasers,
>
> I know quite a few of you got in on the Garmin GPS 35 deal through
> Stephanie Steele (KC7DBA). If you download the pdf files from the Garmin
> site that pertain to this series of models you'll see where they show a
> "magent mount" option. I actually fabricated one of these out of a vinyl
> magnet sheet I happened to come across a few years ago. It really works
> great. It hangs on to vehicle roofs at highway speeds and the soft vinyl
> magnet material won't mar the surface. The sheet is just slightly thicker
> than the heads of the countersunk M3 screws, so only the vinyl magnet pad
> touches the surface you stick this to. The screw heads are completely
> recessed.
>
> Now I'd like to build a few more of these mag mounts. Trouble is, I can't
> seem to find vinyl magnet sheets of sufficient thickness. I've come up
> with some designs that use thinner sheets or different magnets, but I'm not
> ready to go there yet.
>
> So I have two questions for the group:
>
> 1) Does anyone have a good source for vinyl magnet sheets approximately
> 0.075" thick that can be cut to 2.225 inches wide and 3.792" long? I've
> been corresponding with one company where their web site says they can
> supply this material, but the customer service people say they can't.
>
> 2) If I find a source for this material, how many of you would like some,
> and how many would you like? Hopefully they won't cost more than a buck or
> two each.
>
> Thanks.
>
> Best regards,
>

> Tony
>
>
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> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

--
Regards,

Randy Farley
N7GPS -Ham Call-
My QTH at: http://map.findu.com/n7gps
Find Me Mobile at: http://map.findu.com/n7gps-9

3612. Re: Aug 24th Flight Prediction.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-17 16:31:23 UTC
From: n1ltv
Topic: 3603 Message: 3612

Randy,

This is too huge a difference to be using the same inputs. Unless people agree on inputs this posting of various predictions is pretty much a waste of time.

Hank

> Bearing: 109 deg
> Randge: 67 mi
>
> Not good from New Plymouth ;(
> Back to the drawing board ;-)
>
>
> Jeff Melanson wrote:

> > Curent Prediction:
> >
> > Bearing 355
> > Range 43 miles

3613. Re: [tvnsp] Re: Aug 24th Flight Prediction.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-17 16:31:58 UTC
From: Randy Farley
Topic: 3603 Message: 3613

I know
That is what i am trying to figure out.
I'm apparently using the wrong sounding
data.
I used the same ascent,descent rates as Jeff.
Trying a different model next.

n1ltv wrote:
>
> Randy,
>
> This is too huge a difference to be using the same
> inputs. Unless people agree on inputs this posting
> of various predictions is pretty much a waste of
> time.
>
> Hank
> ---------------------------
>
> > Bearing: 109 deg
> > Randge: 67 mi
> >
> > Not good from New Plymouth ;(
> > Back to the drawing board ;-)
> >
> >
> > Jeff Melanson wrote:
>
> > > Curent Prediction:
> > >
> > > Bearing 355
> > > Range 43 miles
>
>
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--
Regards,

Randy Farley
N7GPS -Ham Call-

My QTH at: http://map.findu.com/n7gps
Find Me Mobile at: http://map.findu.com/n7gps-9

3614. Re: Aug 24th Flight Prediction.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-17 17:04:10 UTC
From: n1ltv
Topic: 3603 Message: 3614

> Bearing 355
> Range 43 miles

Jeff,

As expected, I get the same thing as you do (well, actually 355,42 but that little difference is insignificant at 7 days ahead).

Will post vital statistics form in a minute.

Hank

3615. 02E prediction vital statistics form

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-17 17:11:41 UTC
From: n1ltv
Topic: 3615 Message: 3615

```
------------------------------------------------------------
BT version 1.71

Balloon variables: 950 up 1200 down 93k peak

Site variables: Launch alt. 3150 feet Landing alt. 3000 feet

WX variables: MRF model Location BOI

Time August 24, 1200 UTC
------------------------------------------------------------
```

3616. One EOSS balloom in air, another to follow

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-17 17:56:30 UTC
From: n1ltv
Topic: 3616 Message: 3616

see them on findu.com

EOSS 59 (already in air)

W5VSI-11
KC0JHQ-11

EOSS 60

W0WYX

3617. Re: One EOSS balloon in air, another to follow

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-17 18:36:39 UTC
From: n1ltv
Topic: 3616 Message: 3617

> see them on findu.com
>
>
> EOSS 59 (already in air) slowly descending with
possible slow leak;
didn't go nearly as
high as expected
>
> W5VSI-11 working okay
> KC0JHQ-11 busted
>
>
> EOSS 60 cancelled
>
> W0WYX

3618. Re: [tvnsp] Re: One EOSS balloon in air, another to follow

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-17 18:39:55 UTC
From: Michael Gray
Topic: 3616 Message: 3618

Quick link....

http://www.findu.com/cgi-bin/find.cgi?call=W5VSI-11

At 06:36 PM 8/17/2002 -0000, you wrote:
>> see them on findu.com
>>
>>
>> EOSS 59 (already in air) slowly descending with
> possible slow leak;
> didn't go nearly as
> high as expected
>>
>> W5VSI-11 working okay
>> KC0JHQ-11 busted
>>
>>
>> EOSS 60 cancelled
>>
>> W0WYX
>
>
>
>To unsubscribe from this group, send an email to:
>tvnsp-unsubscribe@egroups.com
>
>
>
>Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>

3619. Used Computers

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-17 18:43:17 UTC
From: Tony Barrett
Topic: 3619 Message: 3619
Attachments: 1 described; binary payloads are missing from this source WARC

Hello everyone,

I received the message below and a couple of phone calls from Russ Dunn, N7SMA. Russ works at Simplot Transportation and it looks like he's authorized to dispose of some used computer equipment. Looks like most of it is running Windows 95, though it appears the CD drives have been removed from most units. Some of the units have some decent sized (1 to 6 GB?) hard drives in them. I suspect you can pick these PCs up for $25 to $50 each, but that's just my guess.

Anyone have any suggestions about the best thing to do with gear like this? Should Simplot donate it to a school or the Boys & Girls Club or some senior center? Some of these machines wouldn't be too bad for Packet or APRS, though they are desktop / tower units.

If you have an interest in purchasing any of this equipment, or any suggestions for Russ, please e-mail him at the address above.

For those of you that don't have the latest version of Excel I've copied in a text version of his list below. It probably looks best when viewed with the right font. I think I used Arial 12.

Feel free to distribute this information on other mailing lists (John Cline, Doug Rich) if you think others might be interested.

FYI, I'm not getting a penny out of this. Just passing the word to "save the earth" (reduce, RE-USE, recycle).

Best regards,

Tony

Simplot Transportation
Excess Computer Equipment
August 13, 2002

Description Serial # Hard Drive Op Sys CD ROM Floppy
---------- ---------- ---------- ----------
Micron PC 486 DX2-66 16 MB 152015-0003-1894 800 MB WIN
95 No Yes
Micron PC 486 DX2-66 16 MB 171246-0001-2794 No Yes
Micron PC 486 DX2-66 16 MB 317120-0001 450 MB WIN
95 No Yes

Micron PC 486 DX2-66 16 MB B003130 6 GB WIN
95 Yes Bad
Micron PC 486 SX25 16 MB 126497-0002-0494 450 MB WIN
95 No Yes
Micron PC Pent 100 MHz 32 MB 454035-0003 800 MB WIN
95 No Yes
Micron PC Pent 133 MHz 32 MB 911677-0001 None WIN
95 No Bad
Micron PC Pent 133 MHz 32 MB 911678-0001 2 GB WIN
95 No Yes
Micron PC Pent 133 MHz 32 MB 911685-0001 2 GB WIN
95 No Yes
Micron PC Pent 133 MHz 32 MB 911688-0001 2 GB WIN
95 No Yes
Micron PC Pent 133 MHz 32 MB 911689-0001 2 GB WIN
95 No Yes
Micron PC Pent 133 MHz 32 MB 911691-0001 2 GB WIN
95 No Bad
Micron PC Pent 133 MHz 32 MB 911692-0001 2 GB WIN
95 No Yes
Micron PC Pent 133 MHz 32 MB 911694-0001 2 GB WIN
95 No Yes
Micron PC Pent 133 MHz 64 MB 911679-0001 2 GB WIN
95 No Yes
Micron PC Pent 75 MHz 16 MB 388765-0001 1 GB WIN
95 No Yes

5 or 6 14 or 15" monitors
1 HP540 Deskjet printer
2 HP695C Deskjet printers
1 Epson Stylue 850 printer
1 Okidata Microline 591 printer
1 Epson FX870 printer
1 Citizen GSX 190 printer

8 Keyboards May be able to locate more
8 Mouse (?Mice?) May be able to locate more

Delivered-To: sunvalley.net-n7mtz@...
From: RDunn@...
To: n7mtz@...
Subject: Used Computers
Date: Tue, 13 Aug 2002 17:13:41 -0600
X-Mailer: Internet Mail Service (5.5.2653.19)

Hi Tony

Here's the list of old computers. Offers are being accepted.
<<Book2.xls>>
Russ
N7SMA

454-5731 work

3622. Re: [tvnsp] Next launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-17 19:00:17 UTC
From: Stephanie Steele
Topic: 3538 Message: 3622

Darn, the misplaced modifier police caught me on that one! ;-)

Tony Barrett wrote:
> Stephanie wrote:
>
> "I will weigh my capsule and send out my weight."
>
> I think we are more interested in the capsule's weight than your
> weight. :-)
>
> N7MTZ
>
>
> At 09:54 AM 8/17/02 -0600, you wrote:
>
>> I will weigh my capsule and send out my weight. Paul said that we would
>> not weigh them until the pre-flight meeting. I know he was shooting for
>> 10 pounds but I would like to get some accurate weights for you all to
>> work with. Paul, why don't you weigh your's and they can add the weight
>> to mine. My weight will be my capsule and the link lines. Pauls will be
>> everything else.
>>
>> Stephanie
>>
>>
>> Jeff Melanson wrote:
>> > Hi all,
>> >
>> > Below is a copy of an email I sent some time back (Aug.
>> > 5th). It is a starting point. What we really need to know is
>> > the actual weight of the total payload to make better
>> > prediction. At the time that I sent this previous email Paul
>> > and I believed 10 pounds would be close. As far as a launch
>> > point goes let's so the same thing I did with my flight.
>> > Let's look at safe landing area's and then choose a launch
>> > point that will take us there. Keep in mind what we've
>> > talked about before which is staying away from things that
>> > tend to attract space capsules like a magnet!
>> >
>> > Try your hand at Liftwin and see if you get the same results
>> > I did. Try varying the weight and see what happens.
>> >
>> >
>> > TVNSP,
>> >

>> > Aug 24th Flight.
>> >
>> > This flight will be Paul and Stephanie's capsule's. Paul's
>> > capsule will have a tracker and a geiger counter. Stephanies
>> > capsule will have a tracker and a camera.
>> >
>> > Total payload weight will be 10 pounds.
>> > The balloon is a Kaymont 1500 gram.
>> > Burst Altitude is 93,000 feet.
>> > Ascent rate is 950 fpm.
>> > Descent rate is 1200 fpm.
>> > Free Lift will be 3.5 lbs.
>> > Nozzle lift will be 13.5 lbs.
>> > Time to Burst is 1.6 hrs.
>> > Initial balloon diameter is 8.1 ft.
>> > Burst diameter is 31 ft.
>> >
>> >
>> > Jeff
>> > KD7INN
>> >
>> >
>> > To unsubscribe from this group, send an email to:
>> > tvnsp-unsubscribe@egroups.com
>> >
>> >
>> >
>> > Your use of Yahoo! Groups is subject to
>> <http://docs.yahoo.com/info/terms/>http://docs.yahoo.com/info/terms/
>> >
>> >
>> >
>> >
>>
>>
>> --
>> Stephanie
>>
>> ******************************
>>
>> Friends are quiet angels who lift us to our feet when our wings have
>> trouble remembering how to fly.
>>
>> ******************************
>>
>> "They that can give up essential liberty to obtain a little temporary
>> safety deserve neither liberty nor safety."
>>
>> Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.
>>

>> "Those who desire to give up freedom in order to gain security will not
>> have, nor do they deserve, either one."
>>
>> President Thomas Jefferson.
>> 1743-1826
>>
>> ******************************
>>
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>> business. By using the link below we both will receive a $5 sign up
>> bonus.
>>
>> <https://www.paypal.com/refer/pal=kc7dba%40arrl.net>https://www.paypal.com/refer/pal=kc
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>>
>>
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>>
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>> Yahoo! Groups Sponsor
>> ADVERTISEMENT
>> <http://rd.yahoo.com/M=231049.2208958.3660596.1829184/D=egroupweb/S=1705083281:HM/A=117
5219/R=0/*http://www.gotomypc.com/u/tr/yh/grp/300_youH1/g22lp?Target=mm/g22lp.tmpl>3ce6994
7.jpg
>>
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>>
>>
>>
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>> <http://docs.yahoo.com/info/terms/>Yahoo! Terms of Service.
>
>

--
Stephanie

****

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****

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1743-1826

****

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3623. Re: [tvnsp] Aug 24th Flight Prediction.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-17 19:12:18 UTC
From: Jeff Melanson
Topic: 3603 Message: 3623

Randy,

Are you using the current weather data or forecast data?

Jeff

Randy Farley wrote:
>
> Hmmm
>
> I came up with:
> Bearing: 109 deg
> Randge: 67 mi
>
> Not good from New Plymouth ;(
> Back to the drawing board ;-)
>
> Jeff Melanson wrote:
> >
> > Hi all,
> >
> > Curent Prediction:
> >
> > Bearing 355
> > Range 43 miles
> >
> > Burst Altitude is 93,000 feet.
> > Ascent rate is 950 fpm.
> > Descent rate is 1200 fpm.
> >
> > Jeff
> > KD7INN
> >
> >
> > To unsubscribe from this group, send an email to:
> > tvnsp-unsubscribe@egroups.com
> >
> >
> >
> > Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
> --
> Regards,
>
> Randy Farley
> N7GPS -Ham Call-

> My QTH at: http://map.findu.com/n7gps
> Find Me Mobile at: http://map.findu.com/n7gps-9
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
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3624. Re: [tvnsp] Aug 24th Flight Prediction.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-17 19:16:12 UTC
From: Jeff Melanson
Topic: 3603 Message: 3624

Hi all,

Stephanie brings up a new discussion point. Can you place a
landing site in Balloon Track and come up with launch site
coordinates? If somwone knows how to do this please post the
instructions. I see in Balloon Track there is a place to
enter the landing site coordinates but I haven't figured out
what to do next.

Jeff
KD7INN

Stephanie Steele wrote:
>
> Hi Jeff,
>
> Did you try using the lat/lon that I suggested for the landing site? If
> so, where does this put the launch? This puts the landing just west of
> New Plymouth. It's a little further south and west than what we have
> used in the past which should reduce the chance of ending up on squaw
> butte. The area south of I-84 is all open BLM ground with good access if
> the track drifts outside the valley.
>
> For some reason I can not get the lat/lon information to import into
> street atlas. I came up with some numbers in balloon track but they
> don't match yours. Somehow that does not surprise me!
>
> Stephanie
>
> Jeff Melanson wrote:
> > Hi all,
> >
> > Curent Prediction:
> >
> > Bearing 355
> > Range 43 miles
> >
> > Burst Altitude is 93,000 feet.
> > Ascent rate is 950 fpm.
> > Descent rate is 1200 fpm.
> >
> > Jeff
> > KD7INN
> >
> >
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> >
> >
> >
>
> --
> Stephanie
>
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> trouble remembering how to fly.
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> "They that can give up essential liberty to obtain a little temporary
> safety deserve neither liberty nor safety."
>
> Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.
>
> "Those who desire to give up freedom in order to gain security will not
> have, nor do they deserve, either one."
>
> President Thomas Jefferson.
> 1743-1826
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> https://www.paypal.com/refer/pal=kc7dba%40arrl.net
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3625. Re: [tvnsp] Aug 24th Flight Prediction.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-17 19:17:38 UTC
From: Stephanie Steele
Topic: 3603 Message: 3625

Hi Group,

When someone has time, could they please post a "do this then do this then do this" instruction set, including URLs, for getting the correct weather data, importing it into whatever software we should be using, and then importing it into street atlas, to assist me (and others) in making these calculations. I really hate being behind the curve here. I think I have the basic idea but I am having some problems and am not getting the same numbers as others. Thanks!

Stephanie

Jeff Melanson wrote:
> Randy,
>
> Are you using the current weather data or forecast data?
>
> Jeff
>
> Randy Farley wrote:
>
>>Hmmm
>>
>>I came up with:
>>Bearing: 109 deg
>>Randge: 67 mi
>>
>>Not good from New Plymouth ;(
>>Back to the drawing board ;-)
>>
>>Jeff Melanson wrote:
>>
>>>Hi all,
>>>
>>>Curent Prediction:
>>>
>>>Bearing 355
>>>Range 43 miles
>>>
>>>Burst Altitude is 93,000 feet.
>>>Ascent rate is 950 fpm.
>>>Descent rate is 1200 fpm.
>>>
>>>Jeff
>>>KD7INN
>>>

>>>
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>>>
>>>
>>>
>>>Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>>
>>--
>>Regards,
>>
>>Randy Farley
>>N7GPS -Ham Call-
>>My QTH at: http://map.findu.com/n7gps
>>Find Me Mobile at: http://map.findu.com/n7gps-9
>>
>>
>>To unsubscribe from this group, send an email to:
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>

--
Stephanie

****

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3626. Re: [tvnsp] Aug 24th Flight Prediction.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-17 19:20:17 UTC
From: Stephanie Steele
Topic: 3603 Message: 3626

I have been playing with the 'forced site selector' and 'reverse calculator' functions as they are the apparent way to do this but I am unsure if I am on track prior to getting to that point.

Stephanie

Jeff Melanson wrote:
> Hi all,
>
> Stephanie brings up a new discussion point. Can you place a
> landing site in Balloon Track and come up with launch site
> coordinates? If somwone knows how to do this please post the
> instructions. I see in Balloon Track there is a place to
> enter the landing site coordinates but I haven't figured out
> what to do next.
>
> Jeff
> KD7INN
>
> Stephanie Steele wrote:
>
>>Hi Jeff,
>>
>>Did you try using the lat/lon that I suggested for the landing site? If
>>so, where does this put the launch? This puts the landing just west of
>>New Plymouth. It's a little further south and west than what we have
>>used in the past which should reduce the chance of ending up on squaw
>>butte. The area south of I-84 is all open BLM ground with good access if
>>the track drifts outside the valley.
>>
>>For some reason I can not get the lat/lon information to import into
>>street atlas. I came up with some numbers in balloon track but they
>>don't match yours. Somehow that does not surprise me!
>>
>>Stephanie
>>
>>Jeff Melanson wrote:
>>
>>>Hi all,
>>>
>>>Curent Prediction:
>>>
>>>Bearing 355
>>>Range 43 miles
>>>

>>>Burst Altitude is 93,000 feet.
>>>Ascent rate is 950 fpm.
>>>Descent rate is 1200 fpm.
>>>
>>>Jeff
>>>KD7INN
>>>
>>>
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>>>
>>>
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>>>
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>>>
>>
>>--
>>Stephanie
>>
>>*********************************
>>
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>>trouble remembering how to fly.
>>
>>*********************************
>>
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>>safety deserve neither liberty nor safety."
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>>"Those who desire to give up freedom in order to gain security will not
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>>*********************************
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>>
>>*********************************
>>

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--
Stephanie

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3627. Interesting Results

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-17 19:28:12 UTC
From: Stephanie Steele
Topic: 3627 Message: 3627

Hi,

I just might have stumbled into the way to do this. I opened the weather data that I downloaded at midnight last night from UWy and ran a 'flight synopsis' on it on the main screen, then I went to reverse calculator and calculated the launch point based upon landing coordinates of 43.96861/-116.83833 and obtained a launch point just south of Ironside, Oregon which is where my manual calculations put it.

--
Stephanie

****

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3628. Re: [tvnsp] Aug 24th Flight Prediction.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-17 19:29:25 UTC
From: Jeff Melanson
Topic: 3603 Message: 3628

Hi Stephanie,

I'm short on time right now however I will do it later if no
one else has. I did post some instructions on how to get
forecasted data during our discussions of the last flight.
Someone please find that and repost it. We will start with
that and then continue bringing you up to speed. Tell me a
little about what you know now. Do you know how to use
current data to make a prediction?

Jeff
KD7INN

Stephanie Steele wrote:
>
> Hi Group,
>
> When someone has time, could they please post a "do this then do this
> then do this" instruction set, including URLs, for getting the correct
> weather data, importing it into whatever software we should be using,
> and then importing it into street atlas, to assist me (and others) in
> making these calculations. I really hate being behind the curve here. I
> think I have the basic idea but I am having some problems and am not
> getting the same numbers as others. Thanks!
>
> Stephanie
>
> Jeff Melanson wrote:
> > Randy,
> >
> > Are you using the current weather data or forecast data?
> >
> > Jeff
> >
> > Randy Farley wrote:
> >
> >>Hmmm
> >>
> >>I came up with:
> >>Bearing: 109 deg
> >>Randge: 67 mi
> >>
> >>Not good from New Plymouth ;(
> >>Back to the drawing board ;-)
> >>
> >>Jeff Melanson wrote:

> >>
> >>>Hi all,
> >>>
> >>>Curent Prediction:
> >>>
> >>>Bearing 355
> >>>Range 43 miles
> >>>
> >>>Burst Altitude is 93,000 feet.
> >>>Ascent rate is 950 fpm.
> >>>Descent rate is 1200 fpm.
> >>>
> >>>Jeff
> >>>KD7INN
> >>>
> >>>
> >>>To unsubscribe from this group, send an email to:
> >>>tvnsp-unsubscribe@egroups.com
> >>>
> >>>
> >>>
> >>>Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
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> >>--
> >>Regards,
> >>
> >>Randy Farley
> >>N7GPS -Ham Call-
> >>My QTH at: http://map.findu.com/n7gps
> >>Find Me Mobile at: http://map.findu.com/n7gps-9
> >>
> >>
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> --
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3629. Re: [tvnsp] Interesting Results

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-17 19:33:15 UTC
From: Jeff Melanson
Topic: 3627 Message: 3629

Stephanie,

Your right. I working on the same thing.

Jeff

Stephanie Steele wrote:
>
> Hi,
>
> I just might have stumbled into the way to do this. I opened the weather
> data that I downloaded at midnight last night from UWy and ran a 'flight
> synopsis' on it on the main screen, then I went to reverse calculator
> and calculated the launch point based upon landing coordinates of
> 43.96861/-116.83833 and obtained a launch point just south of Ironside,
> Oregon which is where my manual calculations put it.
>
> --
> Stephanie
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3630. Re: [tvnsp] Interesting Results

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-17 19:35:19 UTC
From: Stephanie Steele
Topic: 3627 Message: 3630

I just re-ran the same calculation using weather from noon today and got
a landing point about 18 miles ssw of Ironside, Oregon.

Proposed landing site : 43.96861/-116.86833

Predicted launch site: 44.088284036/-118.1315299

Anyone else come up with this same information?

Stephanie

Stephanie Steele wrote:
> Hi,
>
> I just might have stumbled into the way to do this. I opened the weather
> data that I downloaded at midnight last night from UWy and ran a 'flight
> synopsis' on it on the main screen, then I went to reverse calculator
> and calculated the launch point based upon landing coordinates of
> 43.96861/-116.83833 and obtained a launch point just south of Ironside,
> Oregon which is where my manual calculations put it.
>
>

--
Stephanie

****

Friends are quiet angels who lift us to our feet when our wings have
trouble remembering how to fly.

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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it and highly recommend it as a safe and reliable means to conduct
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3631. Re: [tvnsp] Aug 24th Flight Prediction.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-17 19:36:45 UTC
From: Stephanie Steele
Topic: 3603 Message: 3631

That is the million dollar question. I don't know if I do or not!

Stephanie

Jeff Melanson wrote:

Tell me a
> little about what you know now. Do you know how to use
> current data to make a prediction?
>
> Jeff
> KD7INN
>
> Stephanie Steele wrote:
>
>>Hi Group,
>>
>>When someone has time, could they please post a "do this then do this
>>then do this" instruction set, including URLs, for getting the correct
>>weather data, importing it into whatever software we should be using,
>>and then importing it into street atlas, to assist me (and others) in
>>making these calculations. I really hate being behind the curve here. I
>>think I have the basic idea but I am having some problems and am not
>>getting the same numbers as others. Thanks!
>>
>>Stephanie
>>
>>Jeff Melanson wrote:
>>
>>>Randy,
>>>
>>>Are you using the current weather data or forecast data?
>>>
>>>Jeff
>>>
>>>Randy Farley wrote:
>>>
>>>
>>>>Hmmm
>>>>
>>>>I came up with:
>>>>Bearing: 109 deg
>>>>Randge: 67 mi
>>>>
>>>>Not good from New Plymouth ;(
>>>>Back to the drawing board ;-)

>>>>
>>>>Jeff Melanson wrote:
>>>>
>>>>
>>>>>Hi all,
>>>>>
>>>>>Curent Prediction:
>>>>>
>>>>>Bearing 355
>>>>>Range 43 miles
>>>>>
>>>>>Burst Altitude is 93,000 feet.
>>>>>Ascent rate is 950 fpm.
>>>>>Descent rate is 1200 fpm.
>>>>>
>>>>>Jeff
>>>>>KD7INN
>>>>>
>>>>>
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>>>>>
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>>>>>Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>>>>
>>>>--
>>>>Regards,
>>>>
>>>>Randy Farley
>>>>N7GPS -Ham Call-
>>>>My QTH at: http://map.findu.com/n7gps
>>>>Find Me Mobile at: http://map.findu.com/n7gps-9
>>>>
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>>>
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--
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3632. Re: [tvnsp] Aug 24th Flight Prediction.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-17 19:46:07 UTC
From: Jeff Melanson
Topic: 3603 Message: 3632

Stephanie,

Send me your phone number off list. I'll give you some quick
information on predictions.

If I got you lat/lon correct you chose a landing site 10
miles west of Cambridge. Using forecast data our launch site
would be about 1/2 mile west of New Plymouth.

Jeff
KD7INN

Stephanie Steele wrote:
>
> That is the million dollar question. I don't know if I do or not!
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> Stephanie
>
> Jeff Melanson wrote:
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> Tell me a
> > little about what you know now. Do you know how to use
> > current data to make a prediction?
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> > Jeff
> > KD7INN
> >
> > Stephanie Steele wrote:
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> >>Hi Group,
> >>
> >>When someone has time, could they please post a "do this then do this
> >>then do this" instruction set, including URLs, for getting the correct
> >>weather data, importing it into whatever software we should be using,
> >>and then importing it into street atlas, to assist me (and others) in
> >>making these calculations. I really hate being behind the curve here. I
> >>think I have the basic idea but I am having some problems and am not
> >>getting the same numbers as others. Thanks!
> >>
> >>Stephanie
> >>
> >>Jeff Melanson wrote:
> >>
> >>>Randy,
> >>>
> >>>Are you using the current weather data or forecast data?

> >>>
> >>>Jeff
> >>>
> >>>Randy Farley wrote:
> >>>
> >>>
> >>>>Hmmm
> >>>>
> >>>>I came up with:
> >>>>Bearing: 109 deg
> >>>>Randge: 67 mi
> >>>>
> >>>>Not good from New Plymouth ;(
> >>>>Back to the drawing board ;-)
> >>>>
> >>>>Jeff Melanson wrote:
> >>>>
> >>>>
> >>>>>Hi all,
> >>>>>
> >>>>>Curent Prediction:
> >>>>>
> >>>>>Bearing 355
> >>>>>Range 43 miles
> >>>>>
> >>>>>Burst Altitude is 93,000 feet.
> >>>>>Ascent rate is 950 fpm.
> >>>>>Descent rate is 1200 fpm.
> >>>>>
> >>>>>Jeff
> >>>>>KD7INN
> >>>>>
> >>>>>
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> >>>>>
> >>>>>Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
> >>>>
> >>>>--
> >>>>Regards,
> >>>>
> >>>>Randy Farley
> >>>>N7GPS -Ham Call-
> >>>>My QTH at: http://map.findu.com/n7gps
> >>>>Find Me Mobile at: http://map.findu.com/n7gps-9
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> >>
> >>--
> >>Stephanie
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> >>Friends are quiet angels who lift us to our feet when our wings have
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3633. Re: [tvnsp] Aug 24th Flight Prediction.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-17 19:53:31 UTC
From: Stephanie Steele
Topic: 3603 Message: 3633

No, landing should be near the intersection of SW 2nd Ave & Denver Road
just outside New Plymouth, this puts launch ssw of Ironside, Oregon.

Jeff Melanson wrote:
> Stephanie,
>
> Send me your phone number off list. I'll give you some quick
> information on predictions.
>
> If I got you lat/lon correct you chose a landing site 10
> miles west of Cambridge. Using forecast data our launch site
> would be about 1/2 mile west of New Plymouth.
>
> Jeff
> KD7INN
>
> Stephanie Steele wrote:
>
>>That is the million dollar question. I don't know if I do or not!
>>
>>Stephanie
>>
>>Jeff Melanson wrote:
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>> Tell me a
>>
>>>little about what you know now. Do you know how to use
>>>current data to make a prediction?
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>>>Jeff
>>>KD7INN
>>>
>>>Stephanie Steele wrote:
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>>>
>>>>Hi Group,
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>>>>When someone has time, could they please post a "do this then do this
>>>>then do this" instruction set, including URLs, for getting the correct
>>>>weather data, importing it into whatever software we should be using,
>>>>and then importing it into street atlas, to assist me (and others) in
>>>>making these calculations. I really hate being behind the curve here. I
>>>>think I have the basic idea but I am having some problems and am not
>>>>getting the same numbers as others. Thanks!
>>>>

>>>>Stephanie
>>>>
>>>>Jeff Melanson wrote:
>>>>
>>>>
>>>>>Randy,
>>>>>
>>>>>Are you using the current weather data or forecast data?
>>>>>
>>>>>Jeff
>>>>>
>>>>>Randy Farley wrote:
>>>>>
>>>>>
>>>>>
>>>>>>Hmmm
>>>>>>
>>>>>>I came up with:
>>>>>>Bearing: 109 deg
>>>>>>Randge: 67 mi
>>>>>>
>>>>>>Not good from New Plymouth ;(
>>>>>>Back to the drawing board ;-)
>>>>>>
>>>>>>Jeff Melanson wrote:
>>>>>>
>>>>>>
>>>>>>
>>>>>>>Hi all,
>>>>>>>
>>>>>>>Curent Prediction:
>>>>>>>
>>>>>>>Bearing 355
>>>>>>>Range 43 miles
>>>>>>>
>>>>>>>Burst Altitude is 93,000 feet.
>>>>>>>Ascent rate is 950 fpm.
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>>>>>>>
>>>>>>>Jeff
>>>>>>>KD7INN
>>>>>>>
>>>>>>>
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>>>>>>Regards,
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>>>>>>Randy Farley
>>>>>>N7GPS -Ham Call-
>>>>>>My QTH at: http://map.findu.com/n7gps
>>>>>>Find Me Mobile at: http://map.findu.com/n7gps-9
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>>>>Stephanie
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3634. Re: [tvnsp] Aug 24th Flight Prediction.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-17 19:55:07 UTC
From: Stephanie Steele
Topic: 3603 Message: 3634

Oops! I meant landing nw of the intersectionf of SW 1st & Adams.

Stephanie

Jeff Melanson wrote:
> Stephanie,
>
> Send me your phone number off list. I'll give you some quick
> information on predictions.
>
> If I got you lat/lon correct you chose a landing site 10
> miles west of Cambridge. Using forecast data our launch site
> would be about 1/2 mile west of New Plymouth.
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> Stephanie Steele wrote:
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>>That is the million dollar question. I don't know if I do or not!
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>>>>Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.
>>>>
>>>>"Those who desire to give up freedom in order to gain security will not
>>>>have, nor do they deserve, either one."
>>>>
>>>>President Thomas Jefferson.
>>>> 1743-1826

>>>>
>>>>**********
>>>>
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>>>>it and highly recommend it as a safe and reliable means to conduct
>>>>business. By using the link below we both will receive a $5 sign up bonus.
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>>>
>>
>>--
>>Stephanie
>>
>>**********
>>
>>Friends are quiet angels who lift us to our feet when our wings have
>>trouble remembering how to fly.
>>
>>**********

>>
>>"They that can give up essential liberty to obtain a little temporary
>>safety deserve neither liberty nor safety."
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>

--
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3635. How to do a prediction with *predicted weather*

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-17 20:23:37 UTC
From: n1ltv
Topic: 3603 Message: 3635

Stephanie wrote:

> Hi Group,
>
> When someone has time, could they please post a "do this then
> do this then do this" instruction set, including URLs, for getting
> the correct weather data,

This has all been gone over right on this list.

Do I save all this TVNSP email?
No.

Do I use the yahoogroups search archives facilty?
Yes. http://www.yahoogroups.com

Please remember everyone. No current wind/weather predictions
until DAY OF LAUNCH or at most 12 hours ahead of time.

Hank

Here is Jeff's July 29 TVNSP posting on this subject:

Flight predictions with forecast winds.

Click on this link:

http://gus.arlhq.noaa.gov/ready/cmet.html

Scroll down to

Forecast Soundings

It's on the left side of the screen. Just to the right of
this is a pull down menu that says

----Choose a Forecast Dataset----

Pull down the menu and select

Medium Range Forecast Model (MRF 191 km over Globe)

Type in our 3 letter ID which is boi or go to the bottom of
the page and enter in the Lat/Lon of the launch site. Click
on the Next button.

Near the top of the page select

Text listing only

Use the pull down menu to choose the time to plot. For our upcoming launch choose

August 03, 2002 at 12 UTC (+___ Hrs)

Go to the bottom of the screen and click on Request Plot.

Cut and paste this entire page into Notepad and save the file. Put this into Balloon Track just like we have always done and there you have it!

Mark Conner says within 84 hours you can use the AVN model, and within 48-60 hours you can use the Eta model.

Now you know how to do it so get crackin!

Jeff
KD7INN

3636. Re: [tvnsp] Aug 24th Flight Prediction.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-17 20:34:19 UTC
From: Randy Farley
Topic: 3603 Message: 3636

Duh
I was using this mornings data.
Thought we were flying today ;-)
Will try another predictions again when i have more time.

Jeff Melanson wrote:
>
> Randy,
>
> Are you using the current weather data or forecast data?
>
> Jeff
>
> Randy Farley wrote:
> >
> > Hmmm
> >
> > I came up with:
> > Bearing: 109 deg
> > Randge: 67 mi
> >
> > Not good from New Plymouth ;(
> > Back to the drawing board ;-)
> >
> > Jeff Melanson wrote:
> > >
> > > Hi all,
> > >
> > > Curent Prediction:
> > >
> > > Bearing 355
> > > Range 43 miles
> > >
> > > Burst Altitude is 93,000 feet.
> > > Ascent rate is 950 fpm.
> > > Descent rate is 1200 fpm.
> > >
> > > Jeff
> > > KD7INN
> > >
> > >
> > > To unsubscribe from this group, send an email to:
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> > >
> > >

> > >
> > > Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
> >
> > --
> > Regards,
> >
> > Randy Farley
> > N7GPS -Ham Call-
> > My QTH at: http://map.findu.com/n7gps
> > Find Me Mobile at: http://map.findu.com/n7gps-9
> >
> >
> > To unsubscribe from this group, send an email to:
> > tvnsp-unsubscribe@egroups.com
> >
> >
> >
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> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

--
Regards,

Randy Farley
N7GPS -Ham Call-
My QTH at: http://map.findu.com/n7gps
Find Me Mobile at: http://map.findu.com/n7gps-9

3637. Re: [tvnsp] Aug 24th Flight Prediction.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-17 20:39:42 UTC
From: Randy Farley
Topic: 3603 Message: 3637

I think i have figured out how to do this.
I played with it a couple of weeks ago and it
seemed to work. Just nevere got back to it.
Try the "Calculator" tab. Then use the "Reverse Calculator"
Fill in the boxes and calculate.

Jeff Melanson wrote:
>
> Hi all,
>
> Stephanie brings up a new discussion point. Can you place a
> landing site in Balloon Track and come up with launch site
> coordinates? If somwone knows how to do this please post the
> instructions. I see in Balloon Track there is a place to
> enter the landing site coordinates but I haven't figured out
> what to do next.
>
> Jeff
> KD7INN
>
> Stephanie Steele wrote:
> >
> > Hi Jeff,
> >
> > Did you try using the lat/lon that I suggested for the landing site? If
> > so, where does this put the launch? This puts the landing just west of
> > New Plymouth. It's a little further south and west than what we have
> > used in the past which should reduce the chance of ending up on squaw
> > butte. The area south of I-84 is all open BLM ground with good access if
> > the track drifts outside the valley.
> >
> > For some reason I can not get the lat/lon information to import into
> > street atlas. I came up with some numbers in balloon track but they
> > don't match yours. Somehow that does not surprise me!
> >
> > Stephanie
> >
> > Jeff Melanson wrote:
> > > Hi all,
> > >
> > > Curent Prediction:
> > >
> > > Bearing 355
> > > Range 43 miles
> > >

> > > Burst Altitude is 93,000 feet.
> > > Ascent rate is 950 fpm.
> > > Descent rate is 1200 fpm.
> > >
> > > Jeff
> > > KD7INN
> > >
> > >
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> > >
> > >
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> > >
> >
> > --
> > Stephanie
> >
> > ********************************
> >
> > Friends are quiet angels who lift us to our feet when our wings have
> > trouble remembering how to fly.
> >
> > ********************************
> >
> > "They that can give up essential liberty to obtain a little temporary
> > safety deserve neither liberty nor safety."
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> > Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.
> >
> > "Those who desire to give up freedom in order to gain security will not
> > have, nor do they deserve, either one."
> >
> > President Thomas Jefferson.
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> >
> > ********************************
> >
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>
>
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--
Regards,

Randy Farley
N7GPS -Ham Call-
My QTH at: http://map.findu.com/n7gps
Find Me Mobile at: http://map.findu.com/n7gps-9

3638. Launch site location for a predicted range and bearing

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-17 20:59:07 UTC
From: Hank Riley
Topic: 3638 Message: 3638
Attachments: 1 described; binary payloads are missing from this source WARC

This is the spot that has New Plymouth at a range of 42
miles and 355 degrees bearing.

I'd suggest using paper maps until next Wednesday. Most
times it's easier to shift around potential launch and
landing sites with pencil lines on a paper map.

Hank

_____
MSN Photos is the easiest way to share and print your photos:
http://photos.msn.com/support/worldwide.aspx

3639. NWAPRS Summer Gathering Plans

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-18 14:41:50 UTC
From: Stephanie Steele
Topic: 3639 Message: 3639

A quick followup tonight for those planning/thinking about coming to the SG Sept 6-8 at the VaLLLey Camp in North Bend, WA

The nwaprs.org web pages have been updated and have many details about the annual event.

Last year we had a special presentation on APRS ballooning. So far I haven't come up with a central theme or focus for this year's meeting, however, I'm wondering if there's something we can do with APRS to help out a local jurisdiction in the event of a missing or kidnapped child, similar to the AMBER ALERT program in California and other states. Washington's program should be ready to kick off operation in October, according to a news report on Seattle TV last night. I don't have any info on what Oregon, Idaho, or Montana are doing, or if any similar program is underway in Canada.

I believe we can help the police by providing additional eyes and ears. We may be able to accomplish this with or without the capabilities of APRS.

How about sharing your thoughts on how we might be helpful to law enforcement should such an emergency occur in our region.

We're four weeks away from the Summer Gathering. If you plan on attending, which I hope you will, please remember to get your RSVP to Thom/K7FZO at mailto:tmproehl@....

Thanks, Dave

--
Stephanie

****

Friends are quiet angels who lift us to our feet when our wings have trouble remembering how to fly.

****

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3640. Flight Predictions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-18 15:17:11 UTC
From: Stephanie Steele
Topic: 2381 Message: 3640

Running Saturday's forcasted data this AM I come up with a 125 minute flight bearing 356.1 degrees and 40.9 miles range. I am using a landing site of 44.13583/-117.12333 to give us a safe landing site with these winds. This puts the launch site in the Succor Creek area at 43.545/-117.0677

I think I got it right!?

--
Stephanie

****

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****

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1743-1826

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3641. Re: Sept 7 Flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-18 22:19:18 UTC
From: pverhage1960
Topic: 3452 Message: 3641

I didn't know group sites were available when I made my reservation.
I've got a tent site. Anyone plans to sleep outside can use my
site.

John, have you made reservations for yourself yet? Is there anyone
else who mneeds to be in on a group site?

Paul

--- In tvnsp@y..., John Knapp <kd7hgs@y...> wrote:
> Paul, have you considered reserving a group site at
> Bruneau? It would make it easier for those of us going
> down to have a place to camp, plus we can be as a
> group instead of being spread out.
>
> Deb and I are planning on going down.
>
> JohnK
> KD7HGS
>
> _____
> Do You Yahoo!?
> Yahoo! Autos - Get free new car price quotes
> http://autos.yahoo.com

3642. Re: Next launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-18 22:21:38 UTC
From: pverhage1960
Topic: 3538 Message: 3642

We're using a 1500 gram balloon and lofting about 9 pounds of capsule
and one pound of 'chute. If we add three PPL, then I'd estimate
we'll reach over 90,000 feet with an ascent rate of 1000 feet.
Descent should be around 1200 fpm.

Someone want to check my swag?

Paul

--- In tvnsp@y..., Stephanie Steele <stephanie@k...> wrote:
> These are questions that try men's minds. I was wondering the same
> things! I guess someone who know how should start running some
> predicitions so we can begin to formulate some plans. All I know is
we
> are going for 95k with unknown ascent and descent rates. We could
start
> using a landing site in the New Plymouth area. This would be good
for
> winds out of the NW. Try using 43 58.007 / 116 50.018 for starters.
I'll
> try and see what I can come up with but I don't have any confidence
in
> my calculations.
>
>
> Stephanie
>
>
>
> John Knapp wrote:
> > I believe we have a launch on Aug 24. If so, what is
> > the predicted altitude, ascent rates, and descent
> > rates? Also, do we have a preferred launch site? Or
> > landing site?
> >
> > Thanks
> > JohnK
> > KD7HGS
> >
> > _____
> > Do You Yahoo!?
> > HotJobs - Search Thousands of New Jobs
> > http://www.hotjobs.com
> >
> >
> > To unsubscribe from this group, send an email to:

> > tvnsp-unsubscribe@e...
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> Stephanie
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3643. Re: Used Computers

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-18 22:30:44 UTC
From: pverhage1960
Topic: 3619 Message: 3643

TVNSP should get a few so they can set up a mission control at shcools, etc. Will everyione be interested in spliting the cost of purchasing a few of these, some radios, and TNCs?

Paul

--- In tvnsp@y..., Tony Barrett <tonybarrett@s...> wrote:
> Hello everyone,
>
> I received the message below and a couple of phone calls from Russ Dunn,
> N7SMA. Russ works at Simplot Transportation and it looks like he's
> authorized to dispose of some used computer equipment. Looks like most of
> it is running Windows 95, though it appears the CD drives have been removed
> from most units. Some of the units have some decent sized (1 to 6 GB?)
> hard drives in them. I suspect you can pick these PCs up for $25 to $50
> each, but that's just my guess.
>
> Anyone have any suggestions about the best thing to do with gear like
> this? Should Simplot donate it to a school or the Boys & Girls Club or
> some senior center? Some of these machines wouldn't be too bad for Packet
> or APRS, though they are desktop / tower units.
>
> If you have an interest in purchasing any of this equipment, or any
> suggestions for Russ, please e-mail him at the address above.
>
> For those of you that don't have the latest version of Excel I've copied in
> a text version of his list below. It probably looks best when viewed with
> the right font. I think I used Arial 12.
>
> Feel free to distribute this information on other mailing lists (John
> Cline, Doug Rich) if you think others might be interested.
>
> FYI, I'm not getting a penny out of this. Just passing the word to "save

> the earth" (reduce, RE-USE, recycle).
>
> Best regards,
>
> Tony
>
> ---

>
> Simplot Transportation
> Excess Computer Equipment
> August 13, 2002
>
> Description Serial #
Hard Drive Op Sys CD ROM Floppy
> ---------- ----------

> --- --- --- ---

> Micron PC 486 DX2-66 16 MB 152015-0003-1894 800
MB WIN
> 95 No Yes
> Micron PC 486 DX2-66 16 MB 171246-0001-2794
No Yes
> Micron PC 486 DX2-66 16 MB 317120-0001 450
MB WIN
> 95 No Yes
> Micron PC 486 DX2-66 16 MB B003130
6 GB WIN
> 95 Yes Bad
> Micron PC 486 SX25 16 MB 126497-0002-0494 450
MB WIN
> 95 No Yes
> Micron PC Pent 100 MHz 32 MB 454035-0003 800 MB
WIN
> 95 No Yes
> Micron PC Pent 133 MHz 32 MB 911677-0001 None
WIN
> 95 No Bad
> Micron PC Pent 133 MHz 32 MB 911678-0001 2 GB
WIN
> 95 No Yes
> Micron PC Pent 133 MHz 32 MB 911685-0001 2 GB
WIN
> 95 No Yes
> Micron PC Pent 133 MHz 32 MB 911688-0001 2 GB
WIN
> 95 No Yes
> Micron PC Pent 133 MHz 32 MB 911689-0001 2 GB
WIN

> 95 No Yes
> Micron PC Pent 133 MHz 32 MB 911691-0001 2 GB
WIN
> 95 No Bad
> Micron PC Pent 133 MHz 32 MB 911692-0001 2 GB
WIN
> 95 No Yes
> Micron PC Pent 133 MHz 32 MB 911694-0001 2 GB
WIN
> 95 No Yes
> Micron PC Pent 133 MHz 64 MB 911679-0001 2 GB
WIN
> 95 No Yes
> Micron PC Pent 75 MHz 16 MB 388765-0001 1 GB
WIN
> 95 No Yes
>
> 5 or 6 14 or 15" monitors
> 1 HP540 Deskjet printer
> 2 HP695C Deskjet printers
> 1 Epson Stylue 850 printer
> 1 Okidata Microline 591 printer

> 1 Epson FX870 printer
> 1 Citizen GSX 190 printer
>
> 8 Keyboards May be able to locate more
> 8 Mouse (?Mice?) May be able to locate more
>
>
>
>
> Delivered-To: sunvalley.net-n7mtz@s...
> From: RDunn@s...
> To: n7mtz@s...
> Subject: Used Computers
> Date: Tue, 13 Aug 2002 17:13:41 -0600
> X-Mailer: Internet Mail Service (5.5.2653.19)
>
> Hi Tony
>
> Here's the list of old computers. Offers are being accepted.
> <<Book2.xls>>
> Russ
> N7SMA
> 454-5731 work

3644. Re: [tvnsp] Re: Next launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-18 23:08:38 UTC
From: Hank Riley
Topic: 3538 Message: 3644

> Descent should be around 1200 fpm.
>
> Someone want to check my swag?

Paul,

And your parachute diameter is ..... ? I won't presume
that it's what has been used before.

Hank

_____
Do You Yahoo!?
HotJobs - Search Thousands of New Jobs
http://www.hotjobs.com

3645. Re: [tvnsp] Re: Next launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-18 23:14:06 UTC
From: Hank Riley
Topic: 3538 Message: 3645

> We're using a 1500 gram balloon and lofting about 9 pounds of capsule
> and one pound of 'chute. If we add three PPL, then I'd estimate
> we'll reach over 90,000 feet with an ascent rate of 1000 feet.

Liftwin says 5 pounds of freelift for that ascent speed.

02D was way, way off for ascent speed. Jeff's balloon rose
a lot faster than expected (for unknown reasons).

However, for this general size balloon that has been used more
often I'd think at least 4 pounds for 1000 fpm (3 pounds will
supposedly yield 800 feet/min.)

Hank

Do You Yahoo!?
HotJobs - Search Thousands of New Jobs
http://www.hotjobs.com

3646. early flight predictions taken with a grain of salt

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-18 23:59:23 UTC
From: Hank Riley
Topic: 2381 Message: 3646

> Running Saturday's forcasted data this AM I come up with a 125 minute
> flight bearing 356.1 degrees and 40.9 miles range. I am using a
> landing site of 44.13583/-117.12333 to give us a safe landing
> site with these winds. This puts the launch site in the Succor Creek
> area at 43.545/-117.0677
>
> I think I got it right!?

Yes, that's all correct. The degree of precision you're
carrying is unwarranted, but that's okay just for the purpose
of checking your method.

As of today the predicted landing has already swung to the east
about 18 miles! The range hasn't changed much but the bearing
sure did.

Ths far ahead it's remarkable that a computer can tell us
even this much.

By midweek it should become more certain what's going to
happen Saturday as far as winds. Then there still is the
uncertainty about the balloon behavior with respect to
it running either long or short.

Notice that the 02D error was mostly due to that balloon
running *way* long.

Hank

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http://www.hotjobs.com

3647. Re: [tvnsp] Re: Next launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-19 02:35:38 UTC
From: Jeff Melanson
Topic: 3538 Message: 3647

pverhage1960 wrote:
>
> We're using a 1500 gram balloon and lofting about 9 pounds of capsule
> and one pound of 'chute. If we add three PPL, then I'd estimate
> we'll reach over 90,000 feet with an ascent rate of 1000 feet.
> Descent should be around 1200 fpm.
>
> Someone want to check my swag?
>
> Paul
>

Paul,

We have run the numbers through Liftwin and have the
following:

Total payload weight will be 10 pounds.
The balloon is a Kaymont 1500 gram.
Burst Altitude is 93,000 feet.
Ascent rate is 950 fpm.
Descent rate is 1200 fpm.
Free Lift will be 3.5 lbs.
Nozzle lift will be 13.5 lbs.
Time to Burst is 1.6 hrs.
Initial balloon diameter is 8.1 ft.
Burst diameter is 31 ft.

The descent rate comes from your estimate of the parachute
performance.
This data is what we have been basing our predictions on. Do
you expect any changes?

Jeff
KD7INN

3648. Re: [tvnsp] Re: Sept 7 Flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-19 15:06:49 UTC
From: John Knapp
Topic: 3452 Message: 3648

No I haven't. Since I have not camped at a state park
before I am not sure of the procedure. Thought I would
find out about group space first.

JohnK
--- pverhage1960 <verhap@...> wrote:
> I didn't know group sites were available when I made
> my reservation.
> I've got a tent site. Anyone plans to sleep outside
> can use my
> site.
>
> John, have you made reservations for yourself yet?
> Is there anyone
> else who mneeds to be in on a group site?
>
> Paul
>
> --- In tvnsp@y..., John Knapp <kd7hgs@y...> wrote:
> > Paul, have you considered reserving a group site
> at
> > Bruneau? It would make it easier for those of us
> going
> > down to have a place to camp, plus we can be as a
> > group instead of being spread out.
> >
> > Deb and I are planning on going down.
> >
> > JohnK
> > KD7HGS
> >
> > _____
> > Do You Yahoo!?
> > Yahoo! Autos - Get free new car price quotes
> > http://autos.yahoo.com
>
>

_____
Do You Yahoo!?
Yahoo! Autos - Get free new car price quotes
http://autos.yahoo.com

3649. Idaho state park camping fees and regulations

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-19 16:53:08 UTC
From: n1ltv
Topic: 3452 Message: 3649

> No I haven't. Since I have not camped at a state park
> before I am not sure of the procedure. Thought I would
> find out about group space first.

John and interested others,

You might want to check this webpage since it has a
lot of information on the fees and regulations regarding
Idaho state park camping:

http://www.idahoparks.org/parks/parks-atoz.html#fees

If strictly enforced, a few of the rules seem to be
relevant to campspace sharing and may be somewhat
restrictive.

Hank

3650. Moscow Visit

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-19 19:45:55 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3650 Message: 3650

It looks like TVNSP will be taking a trip to Moscow this summer for a presentation to the university. No dates are set yet. Is there anyone who thinks they might be interested in going?

Paul

3651. Re: [tvnsp] Re: Next launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-19 20:03:30 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3538 Message: 3651

> And your parachute diameter is ..... ? I won't presume
> that it's what has been used before.

It's the five footer that I've used before.

Paul

3652. Re: [tvnsp] Re: Next launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-19 20:07:30 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3538 Message: 3652

> Total payload weight will be 10 pounds.
> The balloon is a Kaymont 1500 gram.
> Burst Altitude is 93,000 feet.
> Ascent rate is 950 fpm.
> Descent rate is 1200 fpm.
> Free Lift will be 3.5 lbs.
> Nozzle lift will be 13.5 lbs.
> Time to Burst is 1.6 hrs.
> Initial balloon diameter is 8.1 ft.
> Burst diameter is 31 ft.
>
> The descent rate comes from your estimate of the parachute
> performance.
> This data is what we have been basing our predictions on. Do
> you expect any changes?

No.
I'll weigh my capsule tonight and get a more accurate number for
the group.

We'll be adding two thermochrons to Stephanie's capsule. I'll bring
one of them.

Paul

3653. Re: [tvnsp] Re: Next launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-19 19:14:16 UTC
From: John Knapp
Topic: 3538 Message: 3653

I ran a swag this afternoon on the launch. I got:

Bearing 20 degrees
Distance 55 miiles

using the forcasted data.

Am I close to being correct?

JohnK
KD7HGS

_____
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http://www.hotjobs.com

3654. Re: [tvnsp] Re: Next launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-19 19:59:52 UTC
From: Randy Farley
Topic: 3538 Message: 3654

That is what i got using 1200Z
Yeaaa....i got it right???

Using 0000Z bearing changed the most.
Bearing 357 degrees
Range 54 miles

regards

Randy

>>> kd7hgs@... 08/19/02 01:14PM >>>
I ran a swag this afternoon on the launch. I got:

Bearing 20 degrees
Distance 55 miiles

using the forcasted data.

Am I close to being correct?

JohnK
KD7HGS

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http://www.hotjobs.com

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3655. Re: [tvnsp] Moscow Visit

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-19 20:15:52 UTC
From: Randy Farley
Topic: 3650 Message: 3655

I would Paul, if know one else can make it.

It will all depend on the DATE and lead time of course.
Weekends pretty free except for hunting season. Work
days MUST be scheduled in advance.

regards

Randy

>>> verhap@occ1.sd01.k12.id.us 08/19/02 12:45PM >>>
It looks like TVNSP will be taking a trip to Moscow this summer for
a presentation to the university. No dates are set yet. Is there
anyone who thinks they might be interested in going?

Paul

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3656. Re: [tvnsp] Re: Next launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-20 00:36:32 UTC
From: Jeff Melanson
Topic: 3538 Message: 3656

My John,

I get the same thing as you and Randy,

Ascent rate 950 fpm
Desent rate 1200 fpm
Burst 93,000 ft
MRF Model BOI Aug 24th, 1200 UTC
Launch Alt. 2800 ft
Landing Alt. 2800 ft

Results ~20 degrees, 55 miles

Jeff
KD7INN

John Knapp wrote:
>
> I ran a swag this afternoon on the launch. I got:
>
> Bearing 20 degrees
> Distance 55 miiles
>
> using the forcasted data.
>
> Am I close to being correct?
>
> JohnK
> KD7HGS
>
> _____
> Do You Yahoo!?
> HotJobs - Search Thousands of New Jobs
> http://www.hotjobs.com
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

3657. Re: [tvnsp] Re: Next launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-20 00:41:57 UTC
From: Jeff Melanson
Topic: 3538 Message: 3657

That's Hi John not My John.

Jeff Melanson wrote:
>
> My John,
>
> I get the same thing as you and Randy,
>
> Ascent rate 950 fpm
> Desent rate 1200 fpm
> Burst 93,000 ft
> MRF Model BOI Aug 24th, 1200 UTC
> Launch Alt. 2800 ft
> Landing Alt. 2800 ft
>
> Results ~20 degrees, 55 miles
>
> Jeff
> KD7INN
>
> John Knapp wrote:
> >
> > I ran a swag this afternoon on the launch. I got:
> >
> > Bearing 20 degrees
> > Distance 55 miiles
> >
> > using the forcasted data.
> >
> > Am I close to being correct?
> >
> > JohnK
> > KD7HGS
> >
> > _____
> > Do You Yahoo!?
> > HotJobs - Search Thousands of New Jobs
> > http://www.hotjobs.com
> >
> >
> > To unsubscribe from this group, send an email to:
> > tvnsp-unsubscribe@egroups.com
> >
> >
> >

> > Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

3658. Temp/humidity sensor and BS2 code

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-20 01:36:41 UTC
From: Mark Conner
Topic: 3658 Message: 3658

A while back on the Stamp list I saw a post regarding this sensor:

http://www.sensirion.com/en/sensors/humidity/sht11/default.htm

This is a SMD device, but there is supposed to be one coming 3Q or 4Q 2002 that has leads on it. I can't find the link to that at the moment on the sensirion site, but here's one for a distributor:

http://www.onsetcomp.com/Products/Product_Pages/Tattletale_pages/sensirion.html

Cost is $17-$20 in single quantities, about a 10% discount for 10-24. Free samples can be had on request at the sensirion web site.

I didn't follow up on it at the time because I didn't want to puzzle out how to read it with a BS2. But, the author below has gone to that trouble.

Main limitation I see is that it only goes to -40C (unknown whether the digital data bottoms out at -40 or whether the accuracy is out of limits at -40). But looks like a nice way to measure temp and RH. I wanted to capture this info to the lists so I can find it again in the future (and to see if others are interested).

73 de Mark N9XTN

Date: Mon, 19 Aug 2002 13:01:12 -0700
From: Tracy Allen
Subject: Re: Humidity & Temperature Sensmitter SHT11 (-75)

For the record, here is another program that services the sht11 or sht15. It's a little shorter than Steve's, because it ignores the CRC calculation, and it uses shiftout and shiftin instead of bit banging. So, different ways to do the same thing. By the way, Steve, thanks for turning me on to this Sensirion chip. It is very sensitive and a marvel of engineering.

-- regards
Tracy Allen
electronically monitored ecosystems
http://www.emesystems.com
mailto:tracy@...

```
'{$STAMP BS2}
' (c) Tracy Allen, http://www.emesystems.com
' access the Sensirion model sht11 or sht15
' humidity and temperature chip
' temperature to xx.xx degrees Celsius, RH to xx.x %
' hookup sht11 or sht15 as follows for this program
```

```
' Stamp SHT1x
' Vss-----------------------pin 1
330 ohm isolation resistor, required
' p1 ----------/\/\---o-----pin 2 dta, data
' Vdd--/\/\-----------'
' 4.7k pullup resistor, required
' p0 -----------------------pin 3 sck, clock
' Vdd-----------------------pin 4 +5 volts
'
' The following code does not implement the CRC checking

sck con 0
dta con 1 ' note, 5k-10k pullup, also 330ohm between the dta on
stamp to dta on sht
dtain var in1
shtTR con 3 ' read temperature
shtRH con 5 ' read humidity
shtSW con 6 ' status register write
shtSR con 7 ' status register read
shtS0 con 30 ' restore status register defaults (then delay 11
milliseconds)
cmd var byte
result var word ' raw result from sht, also used as counter
r0 var result.byte0
r1 var result.byte1
degC var word ' degrees Celsius * 100
RH var word ' %RH
RHtc var word ' for temperature compensation of RH

initialize:
outs=0
dirs=%1111111111111101
gosub shtrst ' reset communication with sht

mainloop:
getTemperature:
cmd=shtTR ' temperature command to sht
gosub shtget16
degC=result-4000
debug tab,dec result, tab,"degC=",dec degC/100,".",dec2 degC
getHumidity:
cmd=shtRH ' humidity command to sht
gosub shtget16
RH=(26542-(2**result))**result-40
' temperature comp (unverified--needs testing)
RHtc=52**result+6554
RHtc=(RHtc**(degC/100+248))-(RHtc**248)+RH
debug tab, dec result,tab,"%RH=",dec RH/10,".",dec1 RH
debug tab,"%RHtc=",dec RHtc/10,".",dec1 RHtc,cr
pause 1000
goto mainloop:
```

```
shtRst: ' initializes communication with sht
shiftout dta,sck,lsbfirst,[$ffff\16]
return

' get 16 bits of data, enter with command in "cmd"
shtget16:
gosub shtcmd ' send the command "cmd"
gosub shtwait ' wait for command to finish
shiftin dta,sck,msbpre,[r1] ' msbyte
low dta ' acknowledge
pulsout sck,10
input dta
shiftin dta,sck,msbpre,[r0] ' lsbyte
input dta ' terminate communication
pulsout sck,10
return

' send start sequence and command
shtcmd:
shtStart: ' send the start sequence
' dta: ~~~~~|_____|~~~~~~
' sck: ___|~~~|_|~~~~|____
' while dta is low, clock goes low and then high
input dta ' pullup high
high sck
low dta
low sck
high sck
input dta
low sck
shtcmd1: ' send the command
shiftout dta,sck,msbfirst,[cmd]
input dta ' allow acknowledge
pulsout sck,10
return

shtWait:
' wait for sht to pull data pin low
' wait 50-220ms for command to finish
' or time out
result=1024
shtwait2:
result=result-1
if dtain & result.bit9 then shtwait2
if result>512 then donewait
debug 7 ' bell signals timeout error
donewait:
return
```

3659. (no subject)

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-20 03:16:00 UTC
From: Michael Garske
Topic: 3659 Message: 3659

test

3660. Form posted from Microsoft Internet Explorer.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-20 04:34:28 UTC
From: Michael Garske
Topic: 3660 Message: 3660

```
username=Andrea
usermail=winniethepooh@...
comment=test
```

3661. (no subject)

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-20 03:35:31 UTC
From: Michael Garske
Topic: 3661 Message: 3661

test for web page

3662. Snake River Club Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-20 04:10:47 UTC
From: K7JPS - John
Topic: 3662 Message: 3662

For those of you who attend the Snake River Club meeting on the third Wednesday of each month (Aug 21 this go around) They have changed the meeting location. They will now meet at Elmer's, at the Exit 36 Shilo Inn, in Nampa. This is the Shilo Inn across the street from Noodles Restaurant. Meeting time is 7:30 pm.

John the younger
K7JPS

3663. (no subject)

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-20 08:19:17 UTC
From: Michael Garske
Topic: 3663 Message: 3663

test

3664. Form posted from Microsoft Internet Explorer.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-20 09:31:37 UTC
From: Michael Garske
Topic: 3660 Message: 3664

```
username=Andrea Green
usermail=winniethepooh@...
comment=Testing tvnsp web page
```

3665. Tuesday's prediction

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-20 13:31:55 UTC
From: John Knapp
Topic: 3538 Message: 3665

I used the predicted forecast information for 1200Z
Saturday, Aug 24. Have the following:

Bearing: 3.2 degress
Range: 24 miles
Time: 131 minutes

If launched from Bully Creek would land at:

Lat: 44.3819
Long: -117.3827

I used launch altitude of 3100 ft and landing alt. of
2100 ft.

JohnK
KD7HGS

_____
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http://autos.yahoo.com

3666. New Website

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-20 14:47:52 UTC
From: Michael Garske
Topic: 3666 Message: 3666

Everyone,

We are getting the TVNSP website setup with a section to email individual people in the group if needed. I would like to know who would like to have their email address on the website. Let me know if you want it on there or not.....

Also, I would like to have a section with everyone's individual picture on the website, if that is ok with everyone. If not, then again let me know.

I think everyone will be impressed with what my girlfriend Andrea has accomplished on the design and "look" of the website. We are always open to suggestions on how to improve upon it if there is something you want to see or not see online.

Just a disclaimer, if you go to www.tvnsp.org today, this is NOT what the final version will look like, I have been experimenting with different things and right now it is just the carnage from all of that!

Mike KC7DPD
Andrea KD7RGF

TVNSP Webmasters

3667. Re: [tvnsp] New Website

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-20 14:49:49 UTC
From: Michael Garske
Topic: 3667 Message: 3667

Oh, and callsigns with your names and email addresses, too. If you like.

Thanks!

Andrea
----- Original Message -----
From: Michael Garske
To: tvnsp@yahoogroups.com
Sent: Tuesday, August 20, 2002 8:47 AM
Subject: [tvnsp] New Website

Everyone,

We are getting the TVNSP website setup with a section to email individual people in the group if needed. I would like to know who would like to have their email address on the website. Let me know if you want it on there or not.....

Also, I would like to have a section with everyone's individual picture on the website, if that is ok with everyone. If not, then again let me know.

I think everyone will be impressed with what my girlfriend Andrea has accomplished on the design and "look" of the website. We are always open to suggestions on how to improve upon it if there is something you want to see or not see online.

Just a disclaimer, if you go to www.tvnsp.org today, this is NOT what the final version will look like, I have been experimenting with different things and right now it is just the carnage from all of that!

Mike KC7DPD
Andrea KD7RGF

TVNSP Webmasters

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3668. (no subject)

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-20 14:58:22 UTC
From: Michael Garske
Topic: 3668 Message: 3668

www.angelfire.com/tvnsp/index.html is the page i'm creating this site at...then trying to figure out how to upload it all to the other...so bear with me. this is my first time! thanks.

Andrea

3669. Fw: [tvnsp]

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-20 15:02:15 UTC
From: Michael Garske
Topic: 3669 Message: 3669

Sorry..was in a rush and forgot part of the address.

----- Original Message -----
From: Michael Garske
To: tvnsp@yahoogroups.com
Sent: Tuesday, August 20, 2002 8:58 AM
Subject: [tvnsp]

www.angelfire.com/ia3/tvnsp/index.html is the page i'm creating this site at...then trying to figure out how to upload it all to the other...so bear with me. this is my first time! thanks.

Andrea

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3670. Re: [tvnsp] Tuesday's prediction

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-20 16:15:43 UTC
From: Randy Farley
Topic: 3538 Message: 3670

I got the same results John.
Noticed this morning we are getting pre-dawn
winds in my area.

>>> kd7hgs@... 08/20/02 07:31AM >>>
I used the predicted forecast information for 1200Z
Saturday, Aug 24. Have the following:

Bearing: 3.2 degress
Range: 24 miles
Time: 131 minutes

If launched from Bully Creek would land at:

Lat: 44.3819
Long: -117.3827

I used launch altitude of 3100 ft and landing alt. of
2100 ft.

JohnK
KD7HGS

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3671. Re: [KNSP] Temp/humidity sensor and BS2 code

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-20 17:20:00 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3658 Message: 3671

I've ordered a free sample.

I've already got two RH and temp boards designed and built, I
guess this will be number three.

Paul

> A while back on the Stamp list I saw a post regarding this sensor:
>
> http://www.sensirion.com/en/sensors/humidity/sht11/default.htm
>
> This is a SMD device, but there is supposed to be one coming 3Q or 4Q 2002 that has leads on it. I can't find the link to that at the moment on the sensirion site, but here's one for a distributor:
>
> http://www.onsetcomp.com/Products/Product_Pages/Tattletale_pages/sensirion.html
>
> Cost is $17-$20 in single quantities, about a 10% discount for 10-24. Free samples can be had on request at the sensirion web site.
>
> I didn't follow up on it at the time because I didn't want to puzzle out how to read it with a BS2. But, the author below has gone to that trouble.
>
> Main limitation I see is that it only goes to -40C (unknown whether the digital data bottoms out at -40 or whether the accuracy is out of limits at -40). But looks like a nice way to measure temp and RH. I wanted to capture this info to the lists so I can find it again in the future (and to
see if others are interested).
>
> 73 de Mark N9XTN
>
>
> ---
>
>
> Date: Mon, 19 Aug 2002 13:01:12 -0700
> From: Tracy Allen
> Subject: Re: Humidity & Temperature Sensmitter SHT11 (-75)
>
> For the record, here is another program that services the sht11 or
> sht15. It's a little shorter than Steve's, because it ignores the
> CRC calculation, and it uses shiftout and shiftin instead of bit
> banging. So, different ways to do the same thing. By the way,
> Steve, thanks for turning me on to this Sensirion chip. It is very
> sensitive and a marvel of engineering.
>

```
> -- regards
> Tracy Allen
> electronically monitored ecosystems
> http://www.emesystems.com
> mailto:tracy@...
>
>
> '{$STAMP BS2}
> ' (c) Tracy Allen, http://www.emesystems.com
> ' access the Sensirion model sht11 or sht15
> ' humidity and temperature chip
> ' temperature to xx.xx degrees Celsius, RH to xx.x %
> ' hookup sht11 or sht15 as follows for this program
> ' Stamp SHT1x
> ' Vss-----------------------pin 1
> 330 ohm isolation resistor, required
> ' p1 ----------/\/\---o-----pin 2 dta, data
> ' Vdd--/\/\-----------'
> ' 4.7k pullup resistor, required
> ' p0 -----------------------pin 3 sck, clock
> ' Vdd-----------------------pin 4 +5 volts
> '
> ' The following code does not implement the CRC checking
>
>
> sck con 0
> dta con 1 ' note, 5k-10k pullup, also 330ohm between the dta on
> stamp to dta on sht
> dtain var in1
> shtTR con 3 ' read temperature
> shtRH con 5 ' read humidity
> shtSW con 6 ' status register write
> shtSR con 7 ' status register read
> shtS0 con 30 ' restore status register defaults (then delay 11
> milliseconds)
> cmd var byte
> result var word ' raw result from sht, also used as counter
> r0 var result.byte0
> r1 var result.byte1
> degC var word ' degrees Celsius * 100
> RH var word ' %RH
> RHtc var word ' for temperature compensation of RH
>
> initialize:
> outs=0
> dirs=%1111111111111101
> gosub shtrst ' reset communication with sht
>
> mainloop:
> getTemperature:
```

```
> cmd=shtTR ' temperature command to sht
> gosub shtget16
> degC=result-4000
> debug tab,dec result, tab,"degC=",dec degC/100,".",dec2 degC
> getHumidity:
> cmd=shtRH ' humidity command to sht
> gosub shtget16
> RH=(26542-(2**result))**result-40
> ' temperature comp (unverified--needs testing)
> RHtc=52**result+6554
> RHtc=(RHtc**(degC/100+248))-(RHtc**248)+RH
> debug tab, dec result,tab,"%RH=",dec RH/10,".",dec1 RH
> debug tab,"%RHtc=",dec RHtc/10,".",dec1 RHtc,cr
> pause 1000
> goto mainloop:
>
> shtRst: ' initializes communication with sht
> shiftout dta,sck,lsbfirst,[$ffff\16]
> return
>
> ' get 16 bits of data, enter with command in "cmd"
> shtget16:
> gosub shtcmd ' send the command "cmd"
> gosub shtwait ' wait for command to finish
> shiftin dta,sck,msbpre,[r1] ' msbyte
> low dta ' acknowledge
> pulsout sck,10
> input dta
> shiftin dta,sck,msbpre,[r0] ' lsbyte
> input dta ' terminate communication
> pulsout sck,10
> return
>
> ' send start sequence and command
> shtcmd:
> shtStart: ' send the start sequence
> ' dta: ~~~~~|_____|~~~~~~
> ' sck: ___|~~~|_|~~~~|____
> ' while dta is low, clock goes low and then high
> input dta ' pullup high
> high sck
> low dta
> low sck
> high sck
> input dta
> low sck
> shtcmd1: ' send the command
> shiftout dta,sck,msbfirst,[cmd]
> input dta ' allow acknowledge
> pulsout sck,10
```

```
> return
>
> shtWait:
> ' wait for sht to pull data pin low
> ' wait 50-220ms for command to finish
> ' or time out
> result=1024
> shtwait2:
> result=result-1
> if dtain & result.bit9 then shtwait2
> if result>512 then donewait
> debug 7 ' bell signals timeout error
> donewait:
> return
>
>
>
```

3672. Re: [tvnsp] Tuesday's prediction

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-20 16:21:59 UTC
From: John Knapp
Topic: 3538 Message: 3672

I noticed the same thing.

JohnK
--- Randy Farley <rfarley@...> wrote:
> I got the same results John.
> Noticed this morning we are getting pre-dawn
> winds in my area.
>
> >>> kd7hgs@... 08/20/02 07:31AM >>>
> I used the predicted forecast information for 1200Z
> Saturday, Aug 24. Have the following:
>
> Bearing: 3.2 degress
> Range: 24 miles
> Time: 131 minutes
>
> If launched from Bully Creek would land at:
>
> Lat: 44.3819
> Long: -117.3827
>
> I used launch altitude of 3100 ft and landing alt.
> of
> 2100 ft.
>
> JohnK
> KD7HGS
>
> _____
> Do You Yahoo!?
> Yahoo! Autos - Get free new car price quotes
> http://autos.yahoo.com
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to
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>

_____
Do You Yahoo!?

Yahoo! Autos - Get free new car price quotes
http://autos.yahoo.com

3673. Re: [tvnsp]

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-20 16:57:41 UTC
From: Tim Rynearson
Topic: 3673 Message: 3673
Attachments: 2 described; binary payloads are missing from this source WARC

Mike, Andrea......
It's perfectly fine with me to publish my email address - n7ubo@bigskytel
com - and my mug shot can be found at www.qrz.com under N7UBO.

Tim.....

-------Original Message-------

From:tvnsp@yahoogroups.com
Date: Tuesday, August 20, 2002 08:36:20 AM
To:tvnsp@yahoogroups.com
Subject: [tvnsp]

www.angelfire.com/tvnsp/index.html is the page i'm creating this site at..
then trying to figure out how to upload it all to the other...so bear with
me. this is my first time! thanks.

Andrea

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3674. Re: [tvnsp] New Website

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-20 19:14:00 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3666 Message: 3674

No problem with my address or photo.

I'll have graphs for you to scan from each flight.

Paul

3675. Re: [tvnsp] New Website

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-20 19:17:11 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3666 Message: 3675

I'll get a copy of the TVNSP logo for the webpage. We'll need a link for past flights and their findings/results.

Paul

3676. Helium?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-20 19:57:05 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3676 Message: 3676

We need two tanks of helium for this launch. Mike, are you going to be able to get the helium again?

Did we have donations for helium?

Paul

3677. Re: [tvnsp] New Website

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-20 21:57:31 UTC
From: Rick Widmer
Topic: 3667 Message: 3677

Michael Garske wrote:
> Everyone,
>
> We are getting the TVNSP website setup with a section to email
> individual people in the group if needed. I would like to know who would
> like to have their email address on the website. Let me know if you want it
> on there or not.....
>

I did look at the existing angelfire web site. Please get it off angelfire as soon as possible! Popup adds suck, as does the barrage of cookies they try to set when you hit the page. If you need help, let me know, I've done a few web sites.

One suggestion, don't bother with a form to send email to people, just present a MAILTO: link. I'd much rather compose email in my own preferred mail application than a textarea on a form.

Feel free to email me direct if there is anything I can do to help.

Rick Widmer
Internet Marketing Specialists

http://www.developersdesk.com
http://www.mvas.net

3678. Capsule Weight

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-20 23:07:53 UTC
From: Stephanie Steele
Topic: 3678 Message: 3678

Sorry for the delay but it's been a week from hell at work. The flight weight for my capsule is 5.2 pounds. This would be 5 pounds 3.2 ounces.

--
Stephanie

****

Friends are quiet angels who lift us to our feet when our wings have trouble remembering how to fly.

****

"They that can give up essential liberty to obtain a little temporary safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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3679. Re: [tvnsp] Helium?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-21 01:47:07 UTC
From: Jeff Melanson
Topic: 3676 Message: 3679

Paul,

I put money in the VOI account and sent a note to Doug to
credit Sheehans.

Jeff

verhap@... wrote:
>
> We need two tanks of helium for this launch. Mike, are you going
> to be able to get the helium again?
>
> Did we have donations for helium?
>
> Paul
>
>
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>
>
>
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3680. Saturday's Flight Prediction

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-21 01:59:06 UTC
From: Jeff Melanson
Topic: 3680 Message: 3680

Wow, what a change. The range changed from 55 miles to 24 miles.

Mark,

If you have the opportunity can you take a look at the forecast for our Saturday flight and tell us what we might expect?

Thanks,
Jeff
KD7INN

3681. Re: [tvnsp] Saturday's Flight Prediction

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-21 02:03:10 UTC
From: Mark Conner
Topic: 3680 Message: 3681

It looks like you'll be in a region where the winds aloft could change rapidly in a few hours. I would suggest running predictions using winds valid + and - 12 hours from launch time to get a feel for that.

Later launches and a more southerly launch site should produce landings more to the east. Earlier and more to the north will give you landings more to the north. That can all change by Saturday, but it explains the radical changes you might be seeing.

- Mark

----- Original Message -----
From: Jeff Melanson
To: tvnsp@yahoogroups.com
Sent: Tuesday, August 20, 2002 20:59
Subject: [tvnsp] Saturday's Flight Prediction

Wow, what a change. The range changed from 55 miles to 24
miles.

Mark,

If you have the opportunity can you take a look at the
forecast for our Saturday flight and tell us what we might
expect?

Thanks,
Jeff
KD7INN

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3682. Re: [tvnsp] Capsule Weight

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-21 02:35:00 UTC
From: Jeff Melanson
Topic: 3678 Message: 3682

I just talked to Paul, his capsule also weighs 5.2 pounds.
Add 1 pound for the parachute and we have a total weight of
11.4 pounds.

Using Liftwin...
Balloon type 1500 gm
Site Conditions:
Alt 2500 ft
Temp 60
Results for an ascent speed of 970 fpm...
Free Lift 3.9 pounds
Nozzle lift 15.3 pounds
Peak Altitude 90,000 ft.
Time to Burst 1.5 hours.

Jeff
KD7INN

Stephanie Steele wrote:
>
> Sorry for the delay but it's been a week from hell at work. The flight
> weight for my capsule is 5.2 pounds. This would be 5 pounds 3.2 ounces.
>
> --
> Stephanie
>
> ******************************
>
> Friends are quiet angels who lift us to our feet when our wings have
> trouble remembering how to fly.
>
> ******************************
>
> "They that can give up essential liberty to obtain a little temporary
> safety deserve neither liberty nor safety."
>
> Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.
>
> "Those who desire to give up freedom in order to gain security will not
> have, nor do they deserve, either one."
>
> President Thomas Jefferson.
> 1743-1826
>
> ******************************
>

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3683. Saturday's Flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-21 02:48:10 UTC
From: Jeff Melanson
Topic: 3683 Message: 3683

Hi all,

I spoke to Paul on the phone and told him Mark's evaluation of the predicted weather. I also told him John and Randy noted winds at sunrise. Paul suggests that if the prediction continues to be uncertain we might want to delay the launch until later in the morning to get the best possible prediction for that morning. This might be a good idea for safety reasons. Last year is when one of our flights ended up in a power line due to lack of good information. If we do this then we will need to have a place to meet again like we did for the last flight with internet access. Since it looks like were interested in Randy and Stephanies area for this flight would one of you be interested in hosting a morning prelaunch meeting if needed?

As you look at the predictions for Saturday don't forget to look at the MRF and see what's happening in that time frame. Currently you can see that the eastern edge of a LOW is predicted to be right over us.

http://weather.unisys.com/mrf/4e/mrf_4panel_4e.html

Jeff
KD7INN

3684. Capsule Weight and new prediction results.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-21 03:02:32 UTC
From: Jeff Melanson
Topic: 3684 Message: 3684

I just reran the prediction using the new burst altitude.

BT version 1.77

Balloon variables: 970 up 1200 down 90k peak

Site variables: Launch alt. 2800 feet Landing alt. 2800
feet

WX variables: MRF model Location BOI

Time August 24, 1200 UTC

Results:
Range 24.3 miles
Bearing 5.8 degrees

Not much of a change.

Jeff
KD7INN

Jeff Melanson wrote:
>
> I just talked to Paul, his capsule also weighs 5.2 pounds.
> Add 1 pound for the parachute and we have a total weight of
> 11.4 pounds.
>
> Using Liftwin...
> Balloon type 1500 gm
> Site Conditions:
> Alt 2500 ft
> Temp 60
> Results for an ascent speed of 970 fpm...
> Free Lift 3.9 pounds
> Nozzle lift 15.3 pounds
> Peak Altitude 90,000 ft.
> Time to Burst 1.5 hours.
>
> Jeff
> KD7INN
>
> Stephanie Steele wrote:
> >
> > Sorry for the delay but it's been a week from hell at work. The flight

> > weight for my capsule is 5.2 pounds. This would be 5 pounds 3.2 ounces.
> >
> > --
> > Stephanie

3685. Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-21 03:30:09 UTC
From: Jeff Melanson
Topic: 23 Message: 3685

Hi all,

Reminder...

This Friday is the prelaunch meeting for our Saturday flight. No training is scheduled. The meeting is at Jade Garden in Nampa at 6:30 pm.

Jeff
KD7INN

3686. Re: [tvnsp] Capsule Weight

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-21 04:38:49 UTC
From: Tim Rynearson
Topic: 3678 Message: 3686
Attachments: 2 described; binary payloads are missing from this source WARC

Stephanie,

Just wondering when (and if) you work Thursday. I'll be taking my son to Ontario to register for college and wondered if I might meet up with you sometime to pick up my GPS35. Do you monitor the 7.12 while working ?

Tim, N7UBO......

-------Original Message-------

From:tvnsp@yahoogroups.com
Date: Tuesday, August 20, 2002 04:45:32 PM
To:tvnsp@yahoogroups.com
Subject: [tvnsp] Capsule Weight

Sorry for the delay but it's been a week from hell at work. The flight weight for my capsule is 5.2 pounds. This would be 5 pounds 3.2 ounces.

--
Stephanie

****

Friends are quiet angels who lift us to our feet when our wings have trouble remembering how to fly.

****

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Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

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.

3687. Re: [tvnsp] Saturday's Flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-21 14:27:33 UTC
From: Stephanie Steele
Topic: 3683 Message: 3687

No problem with the pre-flight get together. We can do it at Fruitland City Hall if there is too large a group to invade Randy's place. I have balloon track installed on my work computer. Two visitors will overload my little place ;-)

Right Paul?

Stephanie

Jeff Melanson wrote:
> Hi all,
>
> I spoke to Paul on the phone and told him Mark's evaluation
> of the predicted weather. I also told him John and Randy
> noted winds at sunrise. Paul suggests that if the prediction
> continues to be uncertain we might want to delay the launch
> until later in the morning to get the best possible
> prediction for that morning. This might be a good idea for
> safety reasons. Last year is when one of our flights ended
> up in a power line due to lack of good information. If we do
> this then we will need to have a place to meet again like we
> did for the last flight with internet access. Since it looks
> like were interested in Randy and Stephanies area for this
> flight would one of you be interested in hosting a morning
> prelaunch meeting if needed?
>
> As you look at the predictions for Saturday don't forget to
> look at the MRF and see what's happening in that time frame.
> Currently you can see that the eastern edge of a LOW is
> predicted to be right over us.
>
> http://weather.unisys.com/mrf/4e/mrf_4panel_4e.html
>
> Jeff
> KD7INN
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
>

>

--
Stephanie

****

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trouble remembering how to fly.

****

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safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

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3688. Re: [tvnsp] Saturday's Flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-21 14:30:29 UTC
From: John Knapp
Topic: 3683 Message: 3688

With the eastern edge of the low over us, the path of the balloon is basically due north. Do we want to launch at Bully Creek, or should be consider Murphy or Succor Creek?

For the meeting Friday night, will someone have a laptop with them so we can run predictions from different launch sites? or should we say we want to land at point A and go from there?

Things to think about. If I get my laptop updated I will bring it to the meeting but I hope there is another on there also.

JohnK
KD7HGS

--- Jeff Melanson <kd7inn@...> wrote:
> Hi all,
>
> I spoke to Paul on the phone and told him Mark's
> evaluation
> of the predicted weather. I also told him John and
> Randy
> noted winds at sunrise. Paul suggests that if the
> prediction
> continues to be uncertain we might want to delay the
> launch
> until later in the morning to get the best possible
> prediction for that morning. This might be a good
> idea for
> safety reasons. Last year is when one of our flights
> ended
> up in a power line due to lack of good information.
> If we do
> this then we will need to have a place to meet again
> like we
> did for the last flight with internet access. Since
> it looks
> like were interested in Randy and Stephanies area
> for this
> flight would one of you be interested in hosting a
> morning
> prelaunch meeting if needed?
>
> As you look at the predictions for Saturday don't

> forget to
> look at the MRF and see what's happening in that
> time frame.
> Currently you can see that the eastern edge of a LOW
> is
> predicted to be right over us.
>
> http://weather.unisys.com/mrf/4e/mrf_4panel_4e.html
>
> Jeff
> KD7INN
>

_____
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HotJobs - Search Thousands of New Jobs
http://www.hotjobs.com

3689. Prediction

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-21 14:49:38 UTC
From: John Knapp
Topic: 3683 Message: 3689

This morning I got:

Bearing: 69 degrees
Range: 45 Miles
Minutes: 130

This is a change from yesterdays prediction, using the
long range forcast. Please let me know if I did
something wrong.

JohnK

Do You Yahoo!?
HotJobs - Search Thousands of New Jobs
http://www.hotjobs.com

3690. Prediction tips

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-21 15:10:30 UTC
From: n9xtn@cox.net
Topic: 3690 Message: 3690

As you get close enough to launch to use the Eta model, be sure you extract winds valid for the actual launch site coordinates. The Eta resolution is 40 km, while the MRF/AVN resolution is 191 km.

For MRF/AVN work, it's probably OK to use BOI as the requested data location for any launch site within 100 mi of there, but for the Eta you should use the actual launch site lat/lon to at least 0.1 degree precision. With the wind flow predicted for Saturday, a few tens of miles may make a lot of difference in your results from the Eta.

Also, don't be too surprised if the actual track ends up a lot different than the prediction in this particular case. You could go north, or you could go east, or somewhere in between. Given that you have a lot of no-fly/no-land areas, you may wish to postpone to Sunday when the track predictability is much better. If Saturday's forecast indicates you're still in this transition zone when you get together Friday evening, give strong consideration to not flying Saturday.

73 de Mark N9XTN

3691. Re: [tvnsp] Saturday's Flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-21 15:11:37 UTC
From: Stephanie Steele
Topic: 3683 Message: 3691

With the weather in such flux I am getting the idea that any planning at this point is fruitless. My calculations show the Bully Creek Launch site as a no-go for Saturday based upon this morning's data. A launch site slightly east of Juntura would put us down in the New Plymouth area based on this morning's data.

I have been checking at least once a day for the last 4 days and things are moving a bunch. Hopefully a trend will develop soon.

Stephanie

John Knapp wrote:
> With the eastern edge of the low over us, the path of
> the balloon is basically due north. Do we want to
> launch at Bully Creek, or should be consider Murphy or
> Succor Creek?
>
> For the meeting Friday night, will someone have a
> laptop with them so we can run predictions from
> different launch sites? or should we say we want to
> land at point A and go from there?
>
> Things to think about. If I get my laptop updated I
> will bring it to the meeting but I hope there is
> another on there also.
>
> JohnK
> KD7HGS
>
> --- Jeff Melanson <kd7inn@...> wrote:
>
>>Hi all,
>>
>>I spoke to Paul on the phone and told him Mark's
>>evaluation
>>of the predicted weather. I also told him John and
>>Randy
>>noted winds at sunrise. Paul suggests that if the
>>prediction
>>continues to be uncertain we might want to delay the
>>launch
>>until later in the morning to get the best possible
>>prediction for that morning. This might be a good
>>idea for
>>safety reasons. Last year is when one of our flights
>>ended

>>up in a power line due to lack of good information.
>>If we do
>>this then we will need to have a place to meet again
>>like we
>>did for the last flight with internet access. Since
>>it looks
>>like were interested in Randy and Stephanies area
>>for this
>>flight would one of you be interested in hosting a
>>morning
>>prelaunch meeting if needed?
>>
>>As you look at the predictions for Saturday don't
>>forget to
>>look at the MRF and see what's happening in that
>>time frame.
>>Currently you can see that the eastern edge of a LOW
>>is
>>predicted to be right over us.
>>
>>http://weather.unisys.com/mrf/4e/mrf_4panel_4e.html
>>
>>Jeff
>>KD7INN
>>
>
>
>
> _____
> Do You Yahoo!?
> HotJobs - Search Thousands of New Jobs
> http://www.hotjobs.com
>
>
> To unsubscribe from this group, send an email to:
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>
>
>
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>
>
>
>

--
Stephanie

****

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trouble remembering how to fly.

****

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3692. Forecast instability will likely not abate; suggest postponing 02E

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-21 16:08:51 UTC
From: n1ltv
Topic: 3692 Message: 3692

I'm preparing to upload graphics that show in pictures
why the predictions are so variable and why they
will *not* stop being that way right up to launchtime.

Being a non-Idahoan I hesitated to state the following
thought, but I'm emboldened by Mark having brought it up.

I suggest launching at another time because I feel it
will be almost impossible to know where this balloon
will land given the tight circulation of upper level
winds existing in Oregon/Idaho Friday and Saturday.

Given the large areas of near impossible retreival
landing zones in the rugged, roadless wild areas of
the state, there is a high probability of never
seeing 02E again if launched anytime Saturday.

Standby for graphics.

Hank

3693. Re: [tvnsp] Forecast instability will likely not abate; suggest postponing 02E

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-21 16:21:28 UTC
From: n9xtn@cox.net
Topic: 3692 Message: 3693

There's a small chance the problem could abate for Saturday, but it's TVNSP's call if they're willing to wait until Friday to declare a postponement.

In marginal weather cases (either surface or aloft) I usually wait until the D-1 12Z models are in (about 17Z) and decide then. If everyone is prepped for the idea that there may be a postponement as late as the day before launch, then it's not difficult to make that no-go call that late. However, if the launch team would prefer not to have such late notice, then you're forced to make that decision earlier and possibly forego what might end up being a favorable day.

So I'll disagree a little with Hank and say you can wait until Friday to make that call if you want. It's likely to be the same answer, though.

- Mark

3694. graphics of upper level "circulation" over Oregon/Idaho

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-21 16:26:12 UTC
From: Hank Riley
Topic: 3694 Message: 3694
Attachments: 2 described; binary payloads are missing from this source WARC

Here are the graphics. Friday graphic included because the
circulation is a little more prominent, and to show that it's
not a fast changing feature (it may still be around Sunday).

I noted and posted this same kind of feature on an earlier
TVNSP launch, but the situation then was that the circulation
was present earlier in the week, and back then the day's
soundings were being used rather than the forecast soundings.

The effect then was the same in that each day brought a different
balloon track.

The overall situation was different from now in that the
circulation then had dissipated by launch day; in this case
it's in full force right through Saturday.

The computer is having trouble deciding the exact location of
the circulation, thus its predictions are varying fairly
wildly from day to day (high sensitivity to geographic position
because of a high wind field gradient).

Hank

_____
Chat with friends online, try MSN Messenger: http://messenger.msn.com

3695. Re: Prediction tips

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-21 16:34:12 UTC
From: n1ltv
Topic: 3690 Message: 3695

>Given that you have a lot of no-fly/no-land areas, you may wish to
>postpone to Sunday when the track predictability is much better. If
>Saturday's forecast indicates you're still in this transition zone
>when you get together Friday evening, give strong consideration to
>not flying Saturday.

I thought I was agreeing with Mark. :)

Oh yeah, that's right, Mark's a meteorologist. :)

Notice all my statements so far regarding a postponement
have had "likely" attached to them ..... just like a
meteorologist. :)

Of course, it's always up to TVNSP what to ultimately do.

Hank

3696. Re: Forecast instability will likely not abate; suggest postponing 02E

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-21 16:42:25 UTC
From: n1ltv
Topic: 3692 Message: 3696

In the caption I said "will likely not abate"

in the text I said the following:

> I'm preparing to upload graphics that show in pictures
> why the predictions are so variable and why they
> will *not* stop being that way right up to launchtime.

With the word likely added before "*not* stop" as it
should have been typed, I see essentially no difference
between Mark's and my assesment.

Hank

3697. Re: [tvnsp] Prediction

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-21 16:53:38 UTC
From: Randy Farley
Topic: 516 Message: 3697

Ditto here.
No morning winds either.

>>> kd7hgs@... 08/21/02 08:49AM >>>
This morning I got:

Bearing: 69 degrees
Range: 45 Miles
Minutes: 130

This is a change from yesterdays prediction, using the
long range forcast. Please let me know if I did
something wrong.

JohnK

_____
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3698. Re: [tvnsp] Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-21 19:56:01 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 23 Message: 3698

> This Friday is the prelaunch meeting for our Saturday
> flight. No training is scheduled. The meeting is at Jade
> Garden in Nampa at 6:30 pm.

We'll need to wind the new kite winders at the meeting.

Paul

3699. Re: [tvnsp] Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-21 19:57:42 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 23 Message: 3699

Oh, I'll also bring a copy of my book. There should be over 200
pages in it. I'd like TVNSP to take a look at it amke suggestions.

Paul

> This Friday is the prelaunch meeting for our Saturday
> flight. No training is scheduled. The meeting is at Jade
> Garden in Nampa at 6:30 pm.
>
> Jeff
> KD7INN
>
>
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3700. Re: [tvnsp] Saturday's Flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-21 19:59:16 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3683 Message: 3700

> No problem with the pre-flight get together. We can do it at Fruitland
> City Hall if there is too large a group to invade Randy's place. I have
> balloon track installed on my work computer. Two visitors will overload
> my little place ;-)
>
> Right Paul?

I had to use a shoe horn.

Paul

3701. Was: Forecast instability will likely not abate; suggest postponing 02E

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-21 20:06:40 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3692 Message: 3701

> There's a small chance the problem could abate for Saturday, but it's TVNSP's call if they're willing to wait until Friday to declare a postponement.
>
> In marginal weather cases (either surface or aloft) I usually wait until the D-1 12Z models are in (about 17Z) and decide then. If everyone is prepped for the idea that there may be a postponement as late as the day before launch, then it's not difficult to make that no-go call that late.
However, if the launch team would prefer not to have such late notice, then you're forced to make that decision earlier and possibly forego what might end up being a favorable day.
>
> So I'll disagree a little with Hank and say you can wait until Friday to make that call if you want. It's likely to be the same answer, though.

I agree with Mark. And I'd like to add, even if there's uncertainity in a flight prediction, that's not necessarily a reason to hold the launch. We know it's going between north and east. We know the range is between 25 miles and 65 miles (or some such numbers). We'll have to look at the maps, but we may be able to find a launch site that gives us a wide lattitude or ranges and azimuths for a safe launch under these conditions.

Remember, not only is amateur near space amateur science, it's also an adventure.

Paul

3702. TVNSP Logo

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-21 20:27:47 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3702 Message: 3702
Attachments: 2 described; binary payloads are missing from this source WARC

Mike, here's the TVNSP logo.

Paul

3703. Re: [tvnsp] Was: Forecast instability will likely not abate; suggest postponing 02E

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-21 19:47:45 UTC
From: Randy Farley
Topic: 3692 Message: 3703

"Amateur science", i have been digesting this stuff as the gospel
all this time? Now i'm deflated ;-(

In all seriouness, i really don't miind a last minute cancellation on launch day.
This also includes a last minute launch pad abort.
Don't know how everyone else in the TVNSP group feels.
I know i would abort if it were my capsule and the figures
did not look good that launch morning.

We don't want it to be a reckless adventure either ;-)

I agree with Mark. And I'd like to add, even if there's uncertainity in
a flight prediction, that's not necessarily a reason to hold the
launch. We know it's going between north and east. We know the
range is between 25 miles and 65 miles (or some such numbers).
We'll have to look at the maps, but we may be able to find a launch
site that gives us a wide lattitude or ranges and azimuths for a safe
launch under these conditions.

Remember, not only is amateur near space amateur science, it's
also an adventure.

Paul

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3704. Re: [tvnsp] Was: Forecast instability will likely not abate; suggest postponing 02E

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-21 20:16:28 UTC
From: Stephanie Steele
Topic: 3704 Message: 3704

Not me. I want to throw all caution to the wind and let my capsule
disappear into the central Idaho mountains or some other capsule eating
enviroment. I'll be darned if I want a last minute cancellation when we
can just force our way into disaster!

;-)

Randy Farley wrote:
> "Amateur science", i have been digesting this stuff as the gospel
> all this time? Now i'm deflated ;-(
>
> In all seriouness, i really don't miind a last minute cancellation on launch day.
> This also includes a last minute launch pad abort.
> Don't know how everyone else in the TVNSP group feels.
> I know i would abort if it were my capsule and the figures
> did not look good that launch morning.
>
> We don't want it to be a reckless adventure either ;-)
>
>
>
>
>
> I agree with Mark. And I'd like to add, even if there's uncertainity in
> a flight prediction, that's not necessarily a reason to hold the
> launch. We know it's going between north and east. We know the
> range is between 25 miles and 65 miles (or some such numbers).
> We'll have to look at the maps, but we may be able to find a launch
> site that gives us a wide lattitude or ranges and azimuths for a safe
> launch under these conditions.
>
> Remember, not only is amateur near space amateur science, it's
> also an adventure.
>
> Paul
>
>
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--
Stephanie

****

Friends are quiet angels who lift us to our feet when our wings have
trouble remembering how to fly.

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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3705. Re: New Website

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-22 00:11:13 UTC
From: n1ltv
Topic: 3666 Message: 3705

> Mike KC7DPD
> Andrea KD7RGF
>
> TVNSP Webmasters

Way to go folks. Thanks to all the people
who step up as volunteers and just do it.

Hank

3706. Re: [tvnsp] Was: Forecast instability will likely not abate; suggestpostponing 02E

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-22 00:25:22 UTC
From: Jeff Melanson
Topic: 3706 Message: 3706

Hi Stephanie,

I'm ROTHL!! (Rolling On The Floor Laughing!)

In all seriousness (that was hard to spell) I think we
should meet Friday night to make the final decision. Right
now I tend to lean toward a flight cancellation. While I
realize that it is an adventure I'm not willing to take
unnecessary risk even though the capsules aren't mine. It's
not fun watching your capsule hanging in wires or landing in
some dangerous area. Been there done that. Let's continue to
watch the forecast and see what develops.
Thanks Mark and Hank for the forecast evaluations. It's
definetly
helpful.

Jeff
KD7INN

Stephanie Steele wrote:
>
> Not me. I want to throw all caution to the wind and let my capsule
> disappear into the central Idaho mountains or some other capsule eating
> enviroment. I'll be darned if I want a last minute cancellation when we
> can just force our way into disaster!
>
> ;-)
>
> Randy Farley wrote:
> > "Amateur science", i have been digesting this stuff as the gospel
> > all this time? Now i'm deflated ;-(
> >
> > In all seriouness, i really don't miind a last minute cancellation on launch day.
> > This also includes a last minute launch pad abort.
> > Don't know how everyone else in the TVNSP group feels.
> > I know i would abort if it were my capsule and the figures
> > did not look good that launch morning.
> >
> > We don't want it to be a reckless adventure either ;-)
> >
> >
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> >
> > I agree with Mark. And I'd like to add, even if there's uncertainity in

> > a flight prediction, that's not necessarily a reason to hold the
> > launch. We know it's going between north and east. We know the
> > range is between 25 miles and 65 miles (or some such numbers).
> > We'll have to look at the maps, but we may be able to find a launch
> > site that gives us a wide lattitude or ranges and azimuths for a safe
> > launch under these conditions.
> >
> > Remember, not only is amateur near space amateur science, it's
> > also an adventure.
> >
> > Paul
> >
> >
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> --
> Stephanie
>
> ******************************
>
> Friends are quiet angels who lift us to our feet when our wings have
> trouble remembering how to fly.
>
> ******************************
>
> "They that can give up essential liberty to obtain a little temporary
> safety deserve neither liberty nor safety."
>
> Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

>
> "Those who desire to give up freedom in order to gain security will not
> have, nor do they deserve, either one."
>
> President Thomas Jefferson.
> 1743-1826
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3707. Re: Forecast instability will likely not abate; suggest postponing 02E

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-22 01:00:03 UTC
From: n1ltv
Topic: 3706 Message: 3707

Jeff Melanson wrote:

> Hi Stephanie,
>
> I'm ROTHL!! (Rolling On The Floor Laughing!)

I thought it was funny, too.

> Thanks Mark and Hank for the forecast evaluations.

You're welcome.

My thanks to Mark for being a proponent of the use of forecast soundings to do balloon track predictions in the first place.

Just the fact that TVNSP is weighing this situation so carefully and wisely on a Wednesday shows great progress has been made and that TVNSP is maturing as a capable balloon organization.

Hank

3708. Idaho is not Kansas, Colorado, ...

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-22 01:10:04 UTC
From: n1ltv
Topic: 3708 Message: 3708

To me "suggest postponing" means to consider that action,
with no specification of a deadline to decide.

I never meant to imply doing anything today, or even
tomorrow. (More like noontime Friday or later at the meeting
just to pick a time so as not to be too vague.)

I also checked the use of abate, and although
a legal definition of the word is to disappear
entirely (as I was intending), the common use is "to
diminish." What I meant to convey was that the prediction
may well not converge as well as the ones did for TV 02D just
weeks ago due to the existence of the Oregon/Idaho swirl.

It may abate somewhat the closer we get to Saturday,
but the main point is that the swirl is contributing to
the oscillations of the MRF, and if the swirl is still
there Saturday, even with a fairly good model convergence
by Saturday, pegging the actual balloon track with even the
usual 7 - 15 mile accuracy may be improbable.

The bottom line is that Idaho is not Kansas or Colorado or
Oklahoma, etc. It is a more difficult state to do balloon
business in, probably the most difficult west of the
Mississippi, of the states in which amateur groups are active
currently. That's just reality.

NASA postpones rocket launches and real balloon scientists
postpone balloon launches. Earlier this year MABEL (Michigan)
postponed a launch (since it looked like it would go close to
or into a great lake) and had a perfectly wonderful launch a
week or so later.

EOSS postponed one of two launches just this last Saturday
due to high surface winds at launch, and launched another (NOAA
scientific) but suffered balloon damage and a semi-failed balloon
mission thought to be due to balloon damage at launch.

It's all a judgement call in the end. I like what Randy said
today:

We don't want it to be a reckless adventure either ;-)

Hank

3709. Re: [tvnsp] Was: Forecast instability will likely not abate; suggestpostponing 02E

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-22 03:56:06 UTC
From: Jeff Melanson
Topic: 3706 Message: 3709

I Haven't stopped laughing yet! My gut hurts!

Jeff

Stephanie Steele wrote:
>
> Not me. I want to throw all caution to the wind and let my capsule
> disappear into the central Idaho mountains or some other capsule eating
> enviroment. I'll be darned if I want a last minute cancellation when we
> can just force our way into disaster!
>
> ;-)
>
> Randy Farley wrote:
> > "Amateur science", i have been digesting this stuff as the gospel
> > all this time? Now i'm deflated ;-(
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> > In all seriouness, i really don't miind a last minute cancellation on launch day.
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> > I know i would abort if it were my capsule and the figures
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> >
> > We don't want it to be a reckless adventure either ;-)
> >
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> >
> > I agree with Mark. And I'd like to add, even if there's uncertainity in
> > a flight prediction, that's not necessarily a reason to hold the
> > launch. We know it's going between north and east. We know the
> > range is between 25 miles and 65 miles (or some such numbers).
> > We'll have to look at the maps, but we may be able to find a launch
> > site that gives us a wide lattitude or ranges and azimuths for a safe
> > launch under these conditions.
> >
> > Remember, not only is amateur near space amateur science, it's
> > also an adventure.
> >
> > Paul
> >
> >
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> Stephanie
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3710. Re: [tvnsp] Prediction tips

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-22 04:21:44 UTC
From: Jeff Melanson
Topic: 3690 Message: 3710

Mark,

I have been thinking about your tips and have some
questions.

You suggest using the actual launch site coordinates for the
ETA model and that makes sense to me. What about the morning
prediction if we launch late? If we get the latest current
prediction from the Wyoming website what is the resolution
of that? No model has been built yet unless the ETA model is
immediately updated. That means the data is for one specific
spot. If we are 40 miles away then how good is that
information? I suppose that would depend on where we are in
the transition zone. I suspect that in this case the current
information may not be good for our launch location. This
would add more uncertainty to the prediction.

Does anyone know when the MRF and ETA models are updated?

Jeff
KD7INN

n9xtn@... wrote:
>
> As you get close enough to launch to use the Eta model, be sure you extract winds valid for the actual launch site coordinates. The Eta resolution is 40 km, while the MRF/AVN resolution is 191 km.
>
> For MRF/AVN work, it's probably OK to use BOI as the requested data location for any launch site within 100 mi of there, but for the Eta you should use the actual launch site lat/lon to at least 0.1 degree precision. With the wind flow predicted for Saturday, a few tens of miles may make a lot of difference in your results from the Eta.
>
> Also, don't be too surprised if the actual track ends up a lot different than the prediction in this particular case. You could go north, or you could go east, or somewhere in between. Given that you have a lot of no-fly/no-land areas, you may wish to postpone to Sunday when the track predictability is much better. If Saturday's forecast indicates you're still in this transition zone when you get together Friday evening, give strong consideration to not flying Saturday.
>
> 73 de Mark N9XTN
>
>
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>

>
>
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3711. Prediction

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-22 08:02:51 UTC
From: Stephanie Steele
Topic: 516 Message: 3711

Hi all,

I just got home and did a prediction using the AVN Short Range data with Bull Creek as a launch site. I had the landing just southeast of New Plymouth in an ideal area. This was the most promising data I have seen yet.

--
Stephanie

****

Friends are quiet angels who lift us to our feet when our wings have trouble remembering how to fly.

****

"They that can give up essential liberty to obtain a little temporary safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

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3712. Re: [tvnsp] Prediction tips

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-22 15:02:06 UTC
From: Mark Conner
Topic: 3690 Message: 3712

I think you mean the "morning upper-air observation" from Boise, right? The UWyo website doesn't have forecasts that I know of.

If the situation Saturday morning is similar to what's been forecast, and you're a few tens of miles from Boise, the observation may not be representative of the winds 2-3 hours later at your launch site. I think a forecast from the 00Z or 06Z run of the Eta for your launch site location may be better than the 12Z BOI observation.

See this site for details on when model data is updated at the ARL web site:
http://gus.arlhq.noaa.gov/ready-bin/ops.pl

Also note this message from ARL:
READY users:

August 15, 2002

We at NOAA ARL introduced a higher resolution version of the AVN forecast data from NOAA NCEP into READY at the beginning of August. We are calling the dataset the "AVN Short Range" dataset, of which we will soon have an "AVN Long Range" dataset to replace the MRF dataset since the MRF was replaced by an extended range of the AVN at NOAA NCEP. This Short Range dataset is 3 hourly out to 84 hours with a horizontal resolution of about 95km and as of today (August 15) is replacing the AVN 111 and eventually also the AVN 191.

Glenn Rolph
NOAA ARL

So use the "AVN short range" now for <84 hours when you want "AVN" data, and eventually "AVN Long Range" will replace the MRF (it already has elsewhere within NOAA). If they take all of the feed (they may not due to space/bandwidth constraints), you can do long-range forecasts 4x/day.

73 de Mark N9XTN

----- Original Message -----
From: Jeff Melanson
To: tvnsp@yahoogroups.com
Sent: Wednesday, August 21, 2002 23:21
Subject: Re: [tvnsp] Prediction tips

Mark,

I have been thinking about your tips and have some
questions.

You suggest using the actual launch site coordinates for the
ETA model and that makes sense to me. What about the morning
prediction if we launch late? If we get the latest current
prediction from the Wyoming website what is the resolution

of that? No model has been built yet unless the ETA model is immediately updated. That means the data is for one specific spot. If we are 40 miles away then how good is that information? I suppose that would depend on where we are in the transition zone. I suspect that in this case the current information may not be good for our launch location. This would add more uncertainty to the prediction.

Does anyone know when the MRF and ETA models are updated?

Jeff
KD7INN

n9xtn@... wrote:
>
> As you get close enough to launch to use the Eta model, be sure you extract winds valid for the actual launch site coordinates. The Eta resolution is 40 km, while the MRF/AVN resolution is 191 km.
>
> For MRF/AVN work, it's probably OK to use BOI as the requested data location for any launch site within 100 mi of there, but for the Eta you should use the actual launch site lat/lon to at least 0.1 degree precision. With the wind flow predicted for Saturday, a few tens of miles may make a lot of difference in your results from the Eta.
>
> Also, don't be too surprised if the actual track ends up a lot different than the prediction in this particular case. You could go north, or you could go east, or somewhere in between. Given that you have a lot of no-fly/no-land areas, you may wish to postpone to Sunday when the track predictability is much better. If Saturday's forecast indicates you're still in this transition zone when you get together Friday evening, give strong consideration to not flying Saturday.
>
> 73 de Mark N9XTN
>

3713. Flight Prediction

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-22 17:06:22 UTC
From: Stephanie Steele
Topic: 1137 Message: 3713

Just did another prediction using the AVN Short Range Calculation from the Bully Creek launch cordinates and have a launch from Bully Creek landing SW of Ontario in an ideal location. Can someone please verifiy these calculations.

Bully Creek

44.13583
-117.12333

Landing Site

43.9953
-117.0322

--
Stephanie

****

Friends are quiet angels who lift us to our feet when our wings have trouble remembering how to fly.

****

"They that can give up essential liberty to obtain a little temporary safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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3714. Capsule Configuration

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-22 20:57:26 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3714 Message: 3714

I've added more details to the capsule configuration report. I'll make copies available to everyone at Friday's Flight Readiness Review. Stephanie, I need to know the following about your capsule.

What panels (camera, antenna boom ,etc) are located on which sides of your capsule? Do you label the sides of your capsule? (I'm using A, B, C, and D)

What BLTs and LTs have you programmed into your tracker? I think you're using a KPC 3+ and GPS35. Is that true? What HT are you using and what is it's output power?

Since you're not flying a flight computer, I assume that your tracker sends out the same data all the time. Is that true?

Thanks,
Paul

3715. Re: [tvnsp] Capsule Configuration

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-22 20:57:40 UTC
From: Stephanie Steele
Topic: 3714 Message: 3715
Attachments: 1 described; binary payloads are missing from this source WARC

3-peat One Flight Components

Alinco DJ-S11T at 340mW @4.5V & Garmin GPS-35LVS powered by 2 4-cell series wired battery packs made up of 1.5 volt Lithium AA cells (nominal voltage 6.0 volts, actual launch voltage 7.12 volts) wired in parallel.

Kantronics KPC-3+ powered by 2 9 volt Lithium cells in parallel (nominal voltage 9.0 volts, actual launch voltage 9.89 volts)

1/2 wave vertical dipole antenna

Panel A - Power switches
Panel B - Camera
Panel C - APRS Antenna
Panel D - Open
Top Panel - Open

TNC Settings:

BLT 1 E 00:00:30 START 00:00:27
BLT 2 E 00:00:30 START 00:00:44

LTP 1 GPSPO VIA WIDE3-3
LTP 2 GPSPO VIA SIDE3-3

GPSHEAD 1 $GPGGA
GPSHEAD 2 $GPRMC

BEACON E 5

MYCALL KC7DBA-11

verhap@... wrote:
> I've added more details to the capsule configuration report. I'll
> make copies available to everyone at Friday's Flight Readiness
> Review. Stephanie, I need to know the following about your
> capsule.
>
> What panels (camera, antenna boom ,etc) are located on which
> sides of your capsule? Do you label the sides of your capsule?
> (I'm using A, B, C, and D)
>
> What BLTs and LTs have you programmed into your tracker? I
> think you're using a KPC 3+ and GPS35. Is that true? What HT
> are you using and what is it's output power?
>
> Since you're not flying a flight computer, I assume that your tracker

> sends out the same data all the time. Is that true?
>
> Thanks,
> Paul
>
>
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> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
>
>

--
Stephanie

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3716. Flight Prediction 1500 mst

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-22 21:08:14 UTC
From: Stephanie Steele
Topic: 3716 Message: 3716

Latest prediction shows a launch from Bully Creek puts the landing NW of Vale. Flight path is 97.8 degrees and 9.5 miles.

Landing: 44.0113/-117.2212

I am now using the AVN Short Range data calculated from Bully Creek's coordinates for these calculations. If this trend for a short flight continues (my definition of short is under 25 miles) then I can't see anything other than surface weather conditions that would prevent a launch on Saturday morning as planned. With a short flight we can move the launch point easily to a location that will allow a landing in a safe & reasonable location.

If anyone is inclined to verify my calculations and let me know if I'm off track here please feel free.

--
Stephanie

****

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****

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3717. Re: [tvnsp] Flight Prediction 1500 mst

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-22 22:41:22 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3716 Message: 3717

> Latest prediction shows a launch from Bully Creek puts the landing NW of
> Vale. Flight path is 97.8 degrees and 9.5 miles.

That strikes me as odd, having so shart a flight. A low pressure system usually has higher winds than a high pressure system. I would expect a longer flight with an approaching low. Guess I should look at the MRF.

At nine miles, we could place this flight in the record books.

Paul

3718. Re: [tvnsp] Capsule Configuration

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-22 21:52:54 UTC
From: Randy Farley
Topic: 3714 Message: 3718

Is LTP 2 SIDE3-3 a stealth path ;-)

Stephanie Steele wrote:
>
> 3-peat One Flight Components
>
> Alinco DJ-S11T at 340mW @4.5V & Garmin GPS-35LVS powered by 2 4-cell
> series wired battery packs made up of 1.5 volt Lithium AA cells (nominal
> voltage 6.0 volts, actual launch voltage 7.12 volts) wired in parallel.
>
> Kantronics KPC-3+ powered by 2 9 volt Lithium cells in parallel (nominal
> voltage 9.0 volts, actual launch voltage 9.89 volts)
>
> 1/2 wave vertical dipole antenna
>
> Panel A - Power switches
> Panel B - Camera
> Panel C - APRS Antenna
> Panel D - Open
> Top Panel - Open
>
> TNC Settings:
>
> BLT 1 E 00:00:30 START 00:00:27
> BLT 2 E 00:00:30 START 00:00:44
>
> LTP 1 GPSPO VIA WIDE3-3
> LTP 2 GPSPO VIA SIDE3-3
>
> GPSHEAD 1 $GPGGA
> GPSHEAD 2 $GPRMC
>
> BEACON E 5
>
> MYCALL KC7DBA-11
>
> verhap@... wrote:
> > I've added more details to the capsule configuration report. I'll
> > make copies available to everyone at Friday's Flight Readiness
> > Review. Stephanie, I need to know the following about your
> > capsule.
> >
> > What panels (camera, antenna boom ,etc) are located on which
> > sides of your capsule? Do you label the sides of your capsule?
> > (I'm using A, B, C, and D)

> >
> > What BLTs and LTs have you programmed into your tracker? I
> > think you're using a KPC 3+ and GPS35. Is that true? What HT
> > are you using and what is it's output power?
> >
> > Since you're not flying a flight computer, I assume that your tracker
> > sends out the same data all the time. Is that true?
> >
> > Thanks,
> > Paul
> >
> >
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> >
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> >
> >
> >
> >
>
> --
> Stephanie
>
> ******************************
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> Friends are quiet angels who lift us to our feet when our wings have
> trouble remembering how to fly.
>
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>
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> safety deserve neither liberty nor safety."
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> Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.
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> "Those who desire to give up freedom in order to gain security will not
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Regards,

Randy Farley
N7GPS -Ham Call-
My QTH at: http://map.findu.com/n7gps
Find Me Mobile at: http://map.findu.com/n7gps-9

3719. Re: [tvnsp] Capsule Configuration

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-22 22:00:49 UTC
From: Stephanie Steele
Topic: 3714 Message: 3719

Oh no, the spelling police caught me again ;-)

Randy Farley wrote:
> Is LTP 2 SIDE3-3 a stealth path ;-)
>
> Stephanie Steele wrote:
>
>>3-peat One Flight Components
>>
>>Alinco DJ-S11T at 340mW @4.5V & Garmin GPS-35LVS powered by 2 4-cell
>>series wired battery packs made up of 1.5 volt Lithium AA cells (nominal
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>>Kantronics KPC-3+ powered by 2 9 volt Lithium cells in parallel (nominal
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>>1/2 wave vertical dipole antenna
>>
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>>BLT 1 E 00:00:30 START 00:00:27
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>>
>>LTP 1 GPSPO VIA WIDE3-3
>>LTP 2 GPSPO VIA SIDE3-3
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>>GPSHEAD 1 $GPGGA
>>GPSHEAD 2 $GPRMC
>>
>>BEACON E 5
>>
>>MYCALL KC7DBA-11
>>
>>verhap@... wrote:
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>>>sides of your capsule? Do you label the sides of your capsule?
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>>>are you using and what is it's output power?
>>>
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>>>
>>>Thanks,
>>>Paul
>>>
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>>--
>>Stephanie
>>
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>>
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>>trouble remembering how to fly.
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--
Stephanie

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3720. Re: [tvnsp] Flight Prediction 1500 mst

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-22 22:02:32 UTC
From: John Knapp
Topic: 3716 Message: 3720

Using the MRF data for 1200Z 24Aug02, I got the
following:

Bearing: 98.8 degrees
Range: 38.3 miles
Minutes: 129.3

Lat: 43.9431
Long: -1166491

Haven't had time to look at AVN or anything else.

JohnK

--- Stephanie Steele <stephanie@...> wrote:
> Latest prediction shows a launch from Bully Creek
> puts the landing NW of
> Vale. Flight path is 97.8 degrees and 9.5 miles.
>
> Landing: 44.0113/-117.2212
>
> I am now using the AVN Short Range data calculated
> from Bully Creek's
> coordinates for these calculations. If this trend
> for a short flight
> continues (my definition of short is under 25 miles)
> then I can't see
> anything other than surface weather conditions that
> would prevent a
> launch on Saturday morning as planned. With a short
> flight we can move
> the launch point easily to a location that will
> allow a landing in a
> safe & reasonable location.
>
> If anyone is inclined to verify my calculations and
> let me know if I'm
> off track here please feel free.
>
> --
> Stephanie
>
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http://www.hotjobs.com

3721. Re: [tvnsp] Capsule Configuration

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-22 22:01:19 UTC
From: Randy Farley
Topic: 3714 Message: 3721

Oh sorry,i forgot you are an amateur ;-)

Stephanie Steele wrote:
>
> Oh no, the spelling police caught me again ;-)
>
> Randy Farley wrote:
> > Is LTP 2 SIDE3-3 a stealth path ;-)
> >
> > Stephanie Steele wrote:
> >
> >>3-peat One Flight Components
> >>
> >>Alinco DJ-S11T at 340mW @4.5V & Garmin GPS-35LVS powered by 2 4-cell
> >>series wired battery packs made up of 1.5 volt Lithium AA cells (nominal
> >>voltage 6.0 volts, actual launch voltage 7.12 volts) wired in parallel.
> >>
> >>Kantronics KPC-3+ powered by 2 9 volt Lithium cells in parallel (nominal
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> >>1/2 wave vertical dipole antenna
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> >>LTP 1 GPSPO VIA WIDE3-3
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> >>
> >>BEACON E 5
> >>
> >>MYCALL KC7DBA-11
> >>
> >>verhap@... wrote:
> >>

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> >>>Review. Stephanie, I need to know the following about your
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> >>>What panels (camera, antenna boom ,etc) are located on which
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> >>>
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> >>>
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> >>>
> >>>Thanks,
> >>>Paul
> >>>
> >>>
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> >>
> >>--
> >>Stephanie
> >>
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> >>have, nor do they deserve, either one."
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> >> 1743-1826
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> >>Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
> >>
> >> ---
> >> [Image]
> >
> >
>
> --
> Stephanie
>
> **********
>
> Friends are quiet angels who lift us to our feet when our wings have
> trouble remembering how to fly.
>
> **********
>
> "They that can give up essential liberty to obtain a little temporary
> safety deserve neither liberty nor safety."
>
> Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.
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> "Those who desire to give up freedom in order to gain security will not

> have, nor do they deserve, either one."
>
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> 1743-1826
>
> ******************************
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>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

--
Regards,

Randy Farley
N7GPS -Ham Call-
My QTH at: http://map.findu.com/n7gps
Find Me Mobile at: http://map.findu.com/n7gps-9

3722. Re: [tvnsp] Flight Prediction 1500 mst

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-22 22:07:53 UTC
From: Stephanie Steele
Topic: 3716 Message: 3722

The flight path heading has remained constant for the last 24 hours but
has progressively gotten shorter. From looking at the forecast the low
pressure cell that is effecting us now is supposed to pass through by
12z Saturday and leave us with the winds that make up this prediction.
The question is, will this indeed happen by Saturday?

Stephanie

verhap@... wrote:
>>Latest prediction shows a launch from Bully Creek puts the landing NW of
>>Vale. Flight path is 97.8 degrees and 9.5 miles.
>
>
> That strikes me as odd, having so shart a flight. A low pressure
> system usually has higher winds than a high pressure system. I
> would expect a longer flight with an approaching low. Guess I
> should look at the MRF.
>
> At nine miles, we could place this flight in the record books.
>
> Paul
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
>
>

--
Stephanie

****

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****

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3723. PCs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-22 23:08:00 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3723 Message: 3723

TVNSP may be given 13 PCs. The donations would go through VOI so that Simplot can get a donation credit on their taxes, then move on to TVNSP. We should have permission to sell some of them for balloon money. I'd like to see TVNSP set a couple of them up for a Mission Control. We'd install software like, APRS +, Balloon Track, Liftwin, etc on the PCs and have students run through the entire process of predicting a flight and then watching it live. The classes we're teaching right now would be used to teach kids to be mission control (so don't lose your notes). Organizations like schools and scouts would get involved. Perhaps even adult organizations like the Lions Club would like to get involved with a flight.

We'd need to get TNCs, HTs, and antennas for Mission Control. John mentioned that there may be a way to use a sound card as a TNC. If so, we could save some money there. I think a scanner could be used in place of the HT, saving money again. We could make simple ground plane antennas and mount them on a simple mast.

We'll need someone with some free space (a garage?) to store mission control. It would probably be best if we purchased some plastic tubs to store the equipment in.

The balloon group, Windtrax, did something similiar several years ago and were very sucessful. I hope we could do the same thing in Idaho.

Paul

3724. Re: [tvnsp] Flight Prediction 1500 mst

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-22 22:10:16 UTC
From: John Knapp
Topic: 3716 Message: 3724

Using the AVN for 1200Z 24Aug02, have a little
different results:

Bearing: 91 degrees
Range 24 miles
Time: 123 minutes

I am curious how you came up with a range of 9.5
miles. Or has the information changed that much. Also,
since 1200 UTC is about 0500 local time, we might want
to use 1500 UTC. Any thoughts?

JohnK
KD7HGS
--- John Knapp <kd7hgs@...> wrote:
> Using the MRF data for 1200Z 24Aug02, I got the
> following:
>
> Bearing: 98.8 degrees
> Range: 38.3 miles
> Minutes: 129.3
>
> Lat: 43.9431
> Long: -1166491
>
> Haven't had time to look at AVN or anything else.
>
> JohnK
>
>
> --- Stephanie Steele <stephanie@...> wrote:
> > Latest prediction shows a launch from Bully Creek
> > puts the landing NW of
> > Vale. Flight path is 97.8 degrees and 9.5 miles.
> >
> > Landing: 44.0113/-117.2212
> >
> > I am now using the AVN Short Range data calculated
> > from Bully Creek's
> > coordinates for these calculations. If this trend
> > for a short flight
> > continues (my definition of short is under 25
> miles)
> > then I can't see
> > anything other than surface weather conditions
> that

> > would prevent a
> > launch on Saturday morning as planned. With a
> short
> > flight we can move
> > the launch point easily to a location that will
> > allow a landing in a
> > safe & reasonable location.
> >
> > If anyone is inclined to verify my calculations
> and
> > let me know if I'm
> > off track here please feel free.
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> > --
> > Stephanie
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Yahoo! Autos - Get free new car price quotes
http://autos.yahoo.com

3725. Helium and TV02E

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-22 23:12:21 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3725 Message: 3725

Has anyone heard from Mike? Mike, have you been able to pick up helium?

John, can you add the following to the check list? We need to measure the dew point at the launch site before launch. I'll bring a sling psychrometer to do this. In your checklist we'll need one blank spot to write down the dew point.

Paul

3726. Re: [tvnsp] PCs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-22 22:15:17 UTC
From: John Knapp
Topic: 3723 Message: 3726

I have heard, and have acutally down loaded the
software (can't remember the name). But there was some
discussion on what O/S versions it works on. If we can
get it to work, it would be a good thing to use. I
believe there is someone on the list that does use it.

JohnK

--- verhap@... wrote:
> TVNSP may be given 13 PCs. The donations would go
> through
> VOI so that Simplot can get a donation credit on
> their taxes, then
> move on to TVNSP. We should have permission to sell
> some of
> them for balloon money. I'd like to see TVNSP set a
> couple of
> them up for a Mission Control. We'd install
> software like, APRS +,
> Balloon Track, Liftwin, etc on the PCs and have
> students run
> through the entire process of predicting a flight
> and then watching it
> live. The classes we're teaching right now would be
> used to teach
> kids to be mission control (so don't lose your
> notes).
> Organizations like schools and scouts would get
> involved. Perhaps
> even adult organizations like the Lions Club would
> like to get
> involved with a flight.
>
> We'd need to get TNCs, HTs, and antennas for Mission
> Control.
> John mentioned that there may be a way to use a
> sound card as a
> TNC. If so, we could save some money there. I
> think a scanner
> could be used in place of the HT, saving money
> again. We could
> make simple ground plane antennas and mount them on
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> mast.
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> We'll need someone with some free space (a garage?)
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> plastic tubs to store the equipment in.
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> The balloon group, Windtrax, did something similiar
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> same thing in
> Idaho.
>
> Paul
>

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3727. MRF

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-22 23:19:18 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3723 Message: 3727

The MRF shows the low pressure system approaching us from the
west and then falling a part before it can pass over us. The winds
are indeed predicted to be very light. Interesting.

Paul

3728. Re: [tvnsp] PCs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-22 23:20:12 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3723 Message: 3728

The PCs are are a mix of 486s and P133s. I believe the OS is
Windoze 95.

Paul

> I have heard, and have acutally down loaded the
> software (can't remember the name). But there was some
> discussion on what O/S versions it works on. If we can
> get it to work, it would be a good thing to use. I
> believe there is someone on the list that does use it.

3729. Re: [tvnsp] Flight Prediction 1500 mst

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-22 22:22:22 UTC
From: Stephanie Steele
Topic: 3716 Message: 3729

Did you use the Bully Creek lat/lon for getting the data file? I found
this made a difference (huge) over using BOI weather. I have been using 12z.

Stephanie

John Knapp wrote:
> Using the AVN for 1200Z 24Aug02, have a little
> different results:
>
> Bearing: 91 degrees
> Range 24 miles
> Time: 123 minutes
>
> I am curious how you came up with a range of 9.5
> miles. Or has the information changed that much. Also,
> since 1200 UTC is about 0500 local time, we might want
> to use 1500 UTC. Any thoughts?
>
> JohnK
> KD7HGS
> --- John Knapp <kd7hgs@...> wrote:
>
>>Using the MRF data for 1200Z 24Aug02, I got the
>>following:
>>
>>Bearing: 98.8 degrees
>>Range: 38.3 miles
>>Minutes: 129.3
>>
>>Lat: 43.9431
>>Long: -1166491
>>
>>Haven't had time to look at AVN or anything else.
>>
>>JohnK
>>
>>
>>--- Stephanie Steele <stephanie@...> wrote:
>>
>>>Latest prediction shows a launch from Bully Creek
>>>puts the landing NW of
>>>Vale. Flight path is 97.8 degrees and 9.5 miles.
>>>
>>>Landing: 44.0113/-117.2212
>>>

>>>I am now using the AVN Short Range data calculated
>>>from Bully Creek's
>>>coordinates for these calculations. If this trend
>>>for a short flight
>>>continues (my definition of short is under 25
>>
>>miles)
>>
>>>then I can't see
>>>anything other than surface weather conditions
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>>that
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>>>would prevent a
>>>launch on Saturday morning as planned. With a
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>>short
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>>>flight we can move
>>>the launch point easily to a location that will
>>>allow a landing in a
>>>safe & reasonable location.
>>>
>>>If anyone is inclined to verify my calculations
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>>and
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>>>let me know if I'm
>>>off track here please feel free.
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>>>--
>>>Stephanie
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--
Stephanie

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3730. Re: [tvnsp] Flight Prediction 1500 mst

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-22 22:24:47 UTC
From: John Knapp
Topic: 3716 Message: 3730

Sure did.

--- Stephanie Steele <stephanie@...> wrote:
> Did you use the Bully Creek lat/lon for getting the
> data file? I found
> this made a difference (huge) over using BOI
> weather. I have been using 12z.
>
> Stephanie
>
>
> John Knapp wrote:
> > Using the AVN for 1200Z 24Aug02, have a little
> > different results:
> >
> > Bearing: 91 degrees
> > Range 24 miles
> > Time: 123 minutes
> >
> > I am curious how you came up with a range of 9.5
> > miles. Or has the information changed that much.
> Also,
> > since 1200 UTC is about 0500 local time, we might
> want
> > to use 1500 UTC. Any thoughts?
> >
> > JohnK
> > KD7HGS
> > --- John Knapp <kd7hgs@...> wrote:
> >
> >>Using the MRF data for 1200Z 24Aug02, I got the
> >>following:
> >>
> >>Bearing: 98.8 degrees
> >>Range: 38.3 miles
> >>Minutes: 129.3
> >>
> >>Lat: 43.9431
> >>Long: -1166491
> >>
> >>Haven't had time to look at AVN or anything else.
> >>
> >>JohnK
> >>
> >>

> >>--- Stephanie Steele <stephanie@...> wrote:
> >>
> >>>Latest prediction shows a launch from Bully Creek
> >>>puts the landing NW of
> >>>Vale. Flight path is 97.8 degrees and 9.5 miles.
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> >>>Landing: 44.0113/-117.2212
> >>>
> >>>I am now using the AVN Short Range data
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> >>>from Bully Creek's
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3731. Re: [tvnsp] Flight Prediction 1500 mst

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-22 22:28:18 UTC
From: John Knapp
Topic: 3716 Message: 3731

On further examination, I did use Bully Creek in the Balloon Track program but not the forcasted data. Will be sure to do that tomorrow. I did do a 1500UTC time and there was little difference as compared to 1200 UTC.

JohnK

--- Stephanie Steele <stephanie@...> wrote:
> Did you use the Bully Creek lat/lon for getting the
> data file? I found
> this made a difference (huge) over using BOI
> weather. I have been using 12z.
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> Stephanie
>
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> John Knapp wrote:
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> > --- John Knapp <kd7hgs@...> wrote:
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> >>>
> >>>Send and receive money safely over the Internet
> by
> >>>using PayPal. I use
> >>>it and highly recommend it as a safe and reliable
> >>>means to conduct
> >>>business. By using the link below we both will
> >>>receive a $5 sign up bonus.
> >>>
>
>>>https://www.paypal.com/refer/pal=kc7dba%40arrl.net
> >>>
> >>>**********
> >>>
> >>>The information contained in this e-mail message
> >>
> >>is
> >>
> >>>private and confidential
> >>>information intended only for the use of the
> >>>individual or entity to whom it
> >>>is addressed. If the reader of this e-mail
> >>
> >>message
> >>

> >>>is not the intended
> >>>recipient you are notified any disclosure,
> >>>dissemination, distribution,
> >>>copying or the taking of any action based upon
> the
> >>>information contained in
> >>>this message is strictly prohibited.
> >>>
> >>>
> >>>de recta non tolerandum sunt
> >>>
> >>>
> >>>
> >>
> >>
> >>_____
> >>Do You Yahoo!?
> >>HotJobs - Search Thousands of New Jobs
> >>http://www.hotjobs.com
> >>
> >
> >
> >
> > _____
> > Do You Yahoo!?
> > Yahoo! Autos - Get free new car price quotes
> > http://autos.yahoo.com
> >
> >
> > To unsubscribe from this group, send an email to:
> > tvnsp-unsubscribe@egroups.com
> >
> >
> >
> > Your use of Yahoo! Groups is subject to
> http://docs.yahoo.com/info/terms/
> >
> >
> >
> >
>
>
> --
> Stephanie
>
> ********************************
>
> Friends are quiet angels who lift us to our feet
> when our wings have
> trouble remembering how to fly.

>
> ******************************
>
> "They that can give up essential liberty to obtain a
> little temporary
> safety deserve neither liberty nor safety."
>
> Benjamin Franklin (1706-1790), Letter to Josiah
> Quincy, Sept. 11, 1773.
>
> "Those who desire to give up freedom in order to
> gain security will not
> have, nor do they deserve, either one."
>
> President Thomas Jefferson.
> 1743-1826
>
=== message truncated ===

_____
Do You Yahoo!?
Yahoo! Autos - Get free new car price quotes
http://autos.yahoo.com

3732. Re: [tvnsp] Helium and TV02E

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-22 22:59:28 UTC
From: Jeff Melanson
Topic: 3725 Message: 3732

Paul,

Mike - the keeper of the helium - has it all under control.
He will have the helium ready for launch time.

Jeff
KD7INN

verhap@... wrote:
>
> Has anyone heard from Mike? Mike, have you been able to pick
> up helium?
>
> John, can you add the following to the check list? We need to
> measure the dew point at the launch site before launch. I'll bring a
> sling psychrometer to do this. In your checklist we'll need one
> blank spot to write down the dew point.
>
> Paul
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

3733. Re: [tvnsp] PCs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-22 23:06:24 UTC
From: Tony Barrett
Topic: 3723 Message: 3733

It would be really cool to package "mission control" in a utility trailer that could be towed to various schools and events kind of like the Twin Falls group does. The trailer could be the storage space too.

At 04:08 PM 8/22/02 -0700, you wrote:
>TVNSP may be given 13 PCs. The donations would go through
>VOI so that Simplot can get a donation credit on their taxes, then
>move on to TVNSP. We should have permission to sell some of
>them for balloon money. I'd like to see TVNSP set a couple of
>them up for a Mission Control. We'd install software like, APRS +,
>Balloon Track, Liftwin, etc on the PCs and have students run
>through the entire process of predicting a flight and then watching it
>live. The classes we're teaching right now would be used to teach
>kids to be mission control (so don't lose your notes).
>Organizations like schools and scouts would get involved. Perhaps
>even adult organizations like the Lions Club would like to get
>involved with a flight.
>
>We'd need to get TNCs, HTs, and antennas for Mission Control.
>John mentioned that there may be a way to use a sound card as a
>TNC. If so, we could save some money there. I think a scanner
>could be used in place of the HT, saving money again. We could
>make simple ground plane antennas and mount them on a simple
>mast.
>
>We'll need someone with some free space (a garage?) to store
>mission control. It would probably be best if we purchased some
>plastic tubs to store the equipment in.
>
>The balloon group, Windtrax, did something similiar several years
>ago and were very sucessful. I hope we could do the same thing in
>Idaho.
>
>Paul
>
>Yahoo! Groups Sponsor
>ADVERTISEMENT
>
>To unsubscribe from this group, send an email to:
>tvnsp-unsubscribe@egroups.com
>
>
>
>Your use of Yahoo! Groups is subject to the
><http://docs.yahoo.com/info/terms/>Yahoo! Terms of Service.

3735. Re: [tvnsp] Helium and TV02E

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-22 23:45:33 UTC
From: Michael Garske
Topic: 3725 Message: 3735

Yep, I am still here Paul!

Sorry just been concentrating on getting the webpage up and running!

So do we have two helium tanks to pick up? I will pick them up on Friday. I am also willing to donate money for one tank of helium.....

Everyone go check out the page again, let us know what you like or not like. Also, if there is anything else you want to see on the page, let us know! The archive page is not finished yet, but will be worked on next week.....its a work in progress!

Mike KC7DPD
kc7dpd@...
www.tvnsp.org

----- Original Message -----
From: <verhap@...>
To: <tvnsp@yahoogroups.com>
Sent: Thursday, August 22, 2002 5:12 PM
Subject: [tvnsp] Helium and TV02E

> Has anyone heard from Mike? Mike, have you been able to pick
> up helium?
>
> John, can you add the following to the check list? We need to
> measure the dew point at the launch site before launch. I'll bring a
> sling psychrometer to do this. In your checklist we'll need one
> blank spot to write down the dew point.
>
> Paul
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
>
>

3736. Re: [tvnsp] PCs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-22 23:46:47 UTC
From: Michael Garske
Topic: 3723 Message: 3736

I have room in my garage for all the PCs if needed!

Mike KC7DPD

----- Original Message -----
From: <verhap@...>
To: <tvnsp@yahoogroups.com>
Sent: Thursday, August 22, 2002 5:08 PM
Subject: [tvnsp] PCs

> TVNSP may be given 13 PCs. The donations would go through
> VOI so that Simplot can get a donation credit on their taxes, then
> move on to TVNSP. We should have permission to sell some of
> them for balloon money. I'd like to see TVNSP set a couple of
> them up for a Mission Control. We'd install software like, APRS +,
> Balloon Track, Liftwin, etc on the PCs and have students run
> through the entire process of predicting a flight and then watching it
> live. The classes we're teaching right now would be used to teach
> kids to be mission control (so don't lose your notes).
> Organizations like schools and scouts would get involved. Perhaps
> even adult organizations like the Lions Club would like to get
> involved with a flight.
>
> We'd need to get TNCs, HTs, and antennas for Mission Control.
> John mentioned that there may be a way to use a sound card as a
> TNC. If so, we could save some money there. I think a scanner
> could be used in place of the HT, saving money again. We could
> make simple ground plane antennas and mount them on a simple
> mast.
>
> We'll need someone with some free space (a garage?) to store
> mission control. It would probably be best if we purchased some
> plastic tubs to store the equipment in.
>
> The balloon group, Windtrax, did something similiar several years
> ago and were very sucessful. I hope we could do the same thing in
> Idaho.
>
> Paul
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>

> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
>
>

3737. Re: [tvnsp] Helium and TV02E

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-23 00:03:19 UTC
From: Stephanie Steele
Topic: 3725 Message: 3737

I love the featured photo in the upcoming events section ;-) but I would like to see less text on the home page. Perhaps some thumbnails or other small graphics along with a synopsis of the excellent information you have on there. You could edit your text down into a 'teaser' and move the longer description onto a link. I am thrilled to see no overuse of animated gifs, shockwave or other distractions. Just a nice clean fast loading website. Just my .02 worth!

I sure appreciate your efforts for the group!

Stephanie

Michael Garske wrote:
> Yep, I am still here Paul!
>
> Sorry just been concentrating on getting the webpage up and running!
>
> So do we have two helium tanks to pick up? I will pick them up on Friday. I
> am also willing to donate money for one tank of helium.....
>
> Everyone go check out the page again, let us know what you like or not like.
> Also, if there is anything else you want to see on the page, let us know!
> The archive page is not finished yet, but will be worked on next
> week.....its a work in progress!
>
> Mike KC7DPD
> kc7dpd@...
> www.tvnsp.org
>
>
>
>
> ----- Original Message -----
> From: <verhap@...>
> To: <tvnsp@yahoogroups.com>
> Sent: Thursday, August 22, 2002 5:12 PM
> Subject: [tvnsp] Helium and TV02E
>
>
>
>>>Has anyone heard from Mike? Mike, have you been able to pick
>>up helium?
>>
>>John, can you add the following to the check list? We need to
>>measure the dew point at the launch site before launch. I'll bring a
>>sling psychrometer to do this. In your checklist we'll need one

>>blank spot to write down the dew point.
>>
>>Paul
>>
>>
>>To unsubscribe from this group, send an email to:
>>tvnsp-unsubscribe@egroups.com
>>
>>
>>
>>Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
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> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
>
>

--
Stephanie

****

Friends are quiet angels who lift us to our feet when our wings have
trouble remembering how to fly.

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

Send and receive money safely over the Internet by using PayPal. I use
it and highly recommend it as a safe and reliable means to conduct
business. By using the link below we both will receive a $5 sign up bonus.

https://www.paypal.com/refer/pal=kc7dba%40arrl.net

****

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copying or the taking of any action based upon the information contained in
this message is strictly prohibited.

de recta non tolerandum sunt

3738. Flight Prediction - 1800 MST

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-23 00:28:01 UTC
From: Stephanie Steele
Topic: 3738 Message: 3738

Latest AVN Short Range data calculated from the Bully Creek Campground
Site has a flight of 123.6 minues at 111.6 degrees and 8.1 miles.
Predicted landing would be on the west Vale city limits at 43.9865/-117.258.

--
Stephanie

****

Friends are quiet angels who lift us to our feet when our wings have
trouble remembering how to fly.

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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it and highly recommend it as a safe and reliable means to conduct
business. By using the link below we both will receive a $5 sign up bonus.

https://www.paypal.com/refer/pal=kc7dba%40arrl.net

****

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de recta non tolerandum sunt

3739. Re: [tvnsp] Helium and TV02E

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-23 00:40:48 UTC
From: Jeff Melanson
Topic: 3725 Message: 3739

Mike,

The account was credited with enough money for one tank that
I'm aware of. I don't know if anyone else put more money
into the account or not. We do need two tanks.

Jeff

Michael Garske wrote:
>
> Yep, I am still here Paul!
>
> Sorry just been concentrating on getting the webpage up and running!
>
> So do we have two helium tanks to pick up? I will pick them up on Friday. I
> am also willing to donate money for one tank of helium.....
>
> Everyone go check out the page again, let us know what you like or not like.
> Also, if there is anything else you want to see on the page, let us know!
> The archive page is not finished yet, but will be worked on next
> week.....its a work in progress!
>
> Mike KC7DPD
> kc7dpd@...
> www.tvnsp.org
>
> ----- Original Message -----
> From: <verhap@...>
> To: <tvnsp@yahoogroups.com>
> Sent: Thursday, August 22, 2002 5:12 PM
> Subject: [tvnsp] Helium and TV02E
>
> > Has anyone heard from Mike? Mike, have you been able to pick
> > up helium?
> >
> > John, can you add the following to the check list? We need to
> > measure the dew point at the launch site before launch. I'll bring a
> > sling psychrometer to do this. In your checklist we'll need one
> > blank spot to write down the dew point.
> >
> > Paul
> >
> >
> > To unsubscribe from this group, send an email to:
> > tvnsp-unsubscribe@egroups.com
> >

> >
> >
> > Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
> >
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> >
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>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

3740. Re: [tvnsp] Helium and TV02E

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-23 01:12:07 UTC
From: Michael Garske
Topic: 3725 Message: 3740

Ok, I guess I will pay for the other tank when I get there tomorrow!

Thanks Steph for the comment.....I was thinking the same thing. We'll see what we can do!

Mike KC7DPD
----- Original Message -----
From: "Jeff Melanson" <kd7inn@...>
To: <tvnsp@yahoogroups.com>
Sent: Thursday, August 22, 2002 6:40 PM
Subject: Re: [tvnsp] Helium and TV02E

> Mike,
>
> The account was credited with enough money for one tank that
> I'm aware of. I don't know if anyone else put more money
> into the account or not. We do need two tanks.
>
> Jeff
>
> Michael Garske wrote:
> >
> > Yep, I am still here Paul!
> >
> > Sorry just been concentrating on getting the webpage up and running!
> >
> > So do we have two helium tanks to pick up? I will pick them up on Friday. I
> > am also willing to donate money for one tank of helium.....
> >
> > Everyone go check out the page again, let us know what you like or not like.
> > Also, if there is anything else you want to see on the page, let us know!
> > The archive page is not finished yet, but will be worked on next
> > week.....its a work in progress!
> >
> > Mike KC7DPD
> > kc7dpd@...
> > www.tvnsp.org
> >
> > ----- Original Message -----
> > From: <verhap@...>
> > To: <tvnsp@yahoogroups.com>
> > Sent: Thursday, August 22, 2002 5:12 PM
> > Subject: [tvnsp] Helium and TV02E

> >
> > > Has anyone heard from Mike? Mike, have you been able to pick
> > > up helium?
> > >
> > > John, can you add the following to the check list? We need to
> > > measure the dew point at the launch site before launch. I'll bring a
> > > sling psychrometer to do this. In your checklist we'll need one
> > > blank spot to write down the dew point.
> > >
> > > Paul
> > >
> > >
> > > To unsubscribe from this group, send an email to:
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>

3741. Re: [tvnsp] Helium and TV02E

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-23 02:04:23 UTC
From: John Knapp
Topic: 3725 Message: 3741

My only comment on this is a lot of graphics
(pictures) really hurt those of use that have only
dial-up service. Sometimes there can be too much on
the first page.

JohnK
KD7HGS

--- Stephanie Steele <stephanie@...> wrote:
> I love the featured photo in the upcoming events
> section ;-) but I would
> like to see less text on the home page. Perhaps some
> thumbnails or other
> small graphics along with a synopsis of the
> excellent information you
> have on there. You could edit your text down into a
> 'teaser' and move
> the longer description onto a link. I am thrilled to
> see no overuse of
> animated gifs, shockwave or other distractions. Just
> a nice clean fast
> loading website. Just my .02 worth!
>
> I sure appreciate your efforts for the group!
>
> Stephanie
>
>
> Michael Garske wrote:
> > Yep, I am still here Paul!
> >
> > Sorry just been concentrating on getting the
> webpage up and running!
> >
> > So do we have two helium tanks to pick up? I will
> pick them up on Friday. I
> > am also willing to donate money for one tank of
> helium.....
> >
> > Everyone go check out the page again, let us know
> what you like or not like.
> > Also, if there is anything else you want to see on
> the page, let us know!
> > The archive page is not finished yet, but will be
> worked on next

> > week.....its a work in progress!
> >
> > Mike KC7DPD
> > kc7dpd@...
> > www.tvnsp.org
> >
> >
> >
> >
> > ----- Original Message -----
> > From: <verhap@...>
> > To: <tvnsp@yahoogroups.com>
> > Sent: Thursday, August 22, 2002 5:12 PM
> > Subject: [tvnsp] Helium and TV02E
> >
> >
> >
> >>Has anyone heard from Mike? Mike, have you been
> able to pick
> >>up helium?
> >>
> >>John, can you add the following to the check list?
> We need to
> >>measure the dew point at the launch site before
> launch. I'll bring a
> >>sling psychrometer to do this. In your checklist
> we'll need one
> >>blank spot to write down the dew point.
> >>
> >>Paul
> >>
> >>
> >>To unsubscribe from this group, send an email to:
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> >
> > To unsubscribe from this group, send an email to:
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> >
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>
>
> --
> Stephanie
>
> ******************************
>
> Friends are quiet angels who lift us to our feet
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> trouble remembering how to fly.
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>
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> little temporary
> safety deserve neither liberty nor safety."
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> Benjamin Franklin (1706-1790), Letter to Josiah
> Quincy, Sept. 11, 1773.
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> "Those who desire to give up freedom in order to
> gain security will not
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> President Thomas Jefferson.
> 1743-1826
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> ******************************
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>
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> individual or entity to whom it
> is addressed. If the reader of this e-mail message
> is not the intended
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> dissemination, distribution,
> copying or the taking of any action based upon the
> information contained in
> this message is strictly prohibited.
>
>
> de recta non tolerandum sunt
>
>
>

_____
Do You Yahoo!?
Yahoo! Finance - Get real-time stock quotes
http://finance.yahoo.com

3742. Re: [tvnsp] Helium and TV02E

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-23 02:10:43 UTC
From: John Knapp
Topic: 3725 Message: 3742

What is the URL?

JohnK
--- Michael Garske <kc7dpd@...> wrote:
> Yep, I am still here Paul!
>
> Sorry just been concentrating on getting the webpage
> up and running!
>
> So do we have two helium tanks to pick up? I will
> pick them up on Friday. I
> am also willing to donate money for one tank of
> helium.....
>
> Everyone go check out the page again, let us know
> what you like or not like.
> Also, if there is anything else you want to see on
> the page, let us know!
> The archive page is not finished yet, but will be
> worked on next
> week.....its a work in progress!
>
> Mike KC7DPD
> kc7dpd@...
> www.tvnsp.org
>
>
>
>
> ----- Original Message -----
> From: <verhap@...>
> To: <tvnsp@yahoogroups.com>
> Sent: Thursday, August 22, 2002 5:12 PM
> Subject: [tvnsp] Helium and TV02E
>
>
> > Has anyone heard from Mike? Mike, have you been
> able to pick
> > up helium?
> >
> > John, can you add the following to the check list?
> We need to
> > measure the dew point at the launch site before
> launch. I'll bring a
> > sling psychrometer to do this. In your checklist

> we'll need one
> > blank spot to write down the dew point.
> >
> > Paul
> >
> >
> > To unsubscribe from this group, send an email to:
> > tvnsp-unsubscribe@egroups.com
> >
> >
> >
> > Your use of Yahoo! Groups is subject to
> http://docs.yahoo.com/info/terms/
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>

Do You Yahoo!?
Yahoo! Autos - Get free new car price quotes
http://autos.yahoo.com

3743. Re: [tvnsp] Helium and TV02E

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-23 02:14:13 UTC
From: Mike Garske
Topic: 3725 Message: 3743

John,

www.tvnsp.org is the web page URL

Mike KC7DPD

----- Original Message -----
From: "John Knapp" <kd7hgs@...>
To: <tvnsp@yahoogroups.com>
Sent: Thursday, August 22, 2002 8:10 PM
Subject: Re: [tvnsp] Helium and TV02E

> What is the URL?
>
> JohnK
> --- Michael Garske <kc7dpd@...> wrote:
> > Yep, I am still here Paul!
> >
> > Sorry just been concentrating on getting the webpage
> > up and running!
> >
> > So do we have two helium tanks to pick up? I will
> > pick them up on Friday. I
> > am also willing to donate money for one tank of
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> > week.....its a work in progress!
> >
> > Mike KC7DPD
> > kc7dpd@...
> > www.tvnsp.org
> >
> >
> >
> >
> > ----- Original Message -----
> > From: <verhap@...>
> > To: <tvnsp@yahoogroups.com>
> > Sent: Thursday, August 22, 2002 5:12 PM
> > Subject: [tvnsp] Helium and TV02E

> >
> >
> > > Has anyone heard from Mike? Mike, have you been
> > able to pick
> > > up helium?
> > >
> > > John, can you add the following to the check list?
> > We need to
> > > measure the dew point at the launch site before
> > launch. I'll bring a
> > > sling psychrometer to do this. In your checklist
> > we'll need one
> > > blank spot to write down the dew point.
> > >
> > > Paul
> > >
> > >
> > > To unsubscribe from this group, send an email to:
> > > tvnsp-unsubscribe@egroups.com
> > >
> > >
> > >
> > > Your use of Yahoo! Groups is subject to
> > http://docs.yahoo.com/info/terms/
> > >
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> ---
> Do You Yahoo!?
> Yahoo! Autos - Get free new car price quotes
> http://autos.yahoo.com
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
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> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
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>
>
>

3744. Re: [tvnsp] Helium and TV02E

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-23 04:15:55 UTC
From: Stephanie Steele
Topic: 3725 Message: 3744

I agree with John. Web research has shown that you have a maximum of 20 seconds to convince the 'new' viewer to stay on your web site. Also, the same research shows that most people will not scroll down a page to see what is on the bottom so try and keep each page where it will need a minimum of scrolling. This also helps limit the size of the page and keeps it loading fast. If the site loads slow you lose people's interest. Graphics must be few and small to keep the page loading fast on dialup connections. You can also make the page visually and informationally interesting while the graphics load by tweaking your html code.

Stephanie

John Knapp wrote:
> My only comment on this is a lot of graphics
> (pictures) really hurt those of use that have only
> dial-up service. Sometimes there can be too much on
> the first page.
>
> JohnK
> KD7HGS
>
>
> --- Stephanie Steele <stephanie@...> wrote:
>
>>I love the featured photo in the upcoming events
>>section ;-) but I would
>>like to see less text on the home page. Perhaps some
>>thumbnails or other
>>small graphics along with a synopsis of the
>>excellent information you
>>have on there. You could edit your text down into a
>>'teaser' and move
>>the longer description onto a link. I am thrilled to
>>see no overuse of
>>animated gifs, shockwave or other distractions. Just
>>a nice clean fast
>>loading website. Just my .02 worth!
>>
>>I sure appreciate your efforts for the group!
>>
>>Stephanie
>>
>>
>>Michael Garske wrote:

>>
>>>Yep, I am still here Paul!
>>>
>>>Sorry just been concentrating on getting the
>>
>>webpage up and running!
>>
>>>So do we have two helium tanks to pick up? I will
>>
>>pick them up on Friday. I
>>
>>>am also willing to donate money for one tank of
>>
>>helium.....
>>
>>>Everyone go check out the page again, let us know
>>
>>what you like or not like.
>>
>>>Also, if there is anything else you want to see on
>>
>>the page, let us know!
>>
>>>The archive page is not finished yet, but will be
>>
>>worked on next
>>
>>>week.....its a work in progress!
>>>
>>>Mike KC7DPD
>>>kc7dpd@...
>>>www.tvnsp.org
>>>
>>>
>>>
>>>
>>>----- Original Message -----
>>>From: <verhap@...>
>>>To: <tvnsp@yahoogroups.com>
>>>Sent: Thursday, August 22, 2002 5:12 PM
>>>Subject: [tvnsp] Helium and TV02E
>>>
>>>
>>>
>>>
>>>>Has anyone heard from Mike? Mike, have you been
>>>
>>able to pick
>>
>>>>up helium?

>>>>
>>>>John, can you add the following to the check list?
>>>
>> We need to
>>
>>>>measure the dew point at the launch site before
>>>
>>launch. I'll bring a
>>
>>>>sling psychrometer to do this. In your checklist
>>>
>>we'll need one
>>
>>>>blank spot to write down the dew point.
>>>>
>>>>Paul
>>>>
>>>>
>>>>To unsubscribe from this group, send an email to:
>>>>tvnsp-unsubscribe@egroups.com
>>>>
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>>>>
>>>>Your use of Yahoo! Groups is subject to
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>>http://docs.yahoo.com/info/terms/
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>>>To unsubscribe from this group, send an email to:
>>>tvnsp-unsubscribe@egroups.com
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>>>
>>>
>>>Your use of Yahoo! Groups is subject to
>>
>>http://docs.yahoo.com/info/terms/
>>
>>>
>>>
>>>
>>
>>--
>>Stephanie
>>

>>********************************
>>
>>Friends are quiet angels who lift us to our feet
>>when our wings have
>>trouble remembering how to fly.
>>
>>********************************
>>
>>"They that can give up essential liberty to obtain a
>>little temporary
>>safety deserve neither liberty nor safety."
>>
>>Benjamin Franklin (1706-1790), Letter to Josiah
>>Quincy, Sept. 11, 1773.
>>
>>"Those who desire to give up freedom in order to
>>gain security will not
>>have, nor do they deserve, either one."
>>
>>President Thomas Jefferson.
>> 1743-1826
>>
>>********************************
>>
>>Send and receive money safely over the Internet by
>>using PayPal. I use
>>it and highly recommend it as a safe and reliable
>>means to conduct
>>business. By using the link below we both will
>>receive a $5 sign up bonus.
>>
>>https://www.paypal.com/refer/pal=kc7dba%40arrl.net
>>
>>********************************
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> _____
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> Yahoo! Finance - Get real-time stock quotes
> http://finance.yahoo.com
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
>
>

--
Stephanie

****

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****

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Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

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President Thomas Jefferson.
1743-1826

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3745. Re: [tvnsp] PCs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-23 05:03:21 UTC
From: Bill Herrmann
Topic: 3723 Message: 3745

At 04:08 PM 8/22/02 -0700, you wrote:
>John mentioned that there may be a way to use a sound card as a
>TNC. If so, we could save some money there. I think a scanner
>could be used in place of the HT, saving money again. We could
>make simple ground plane antennas and mount them on a simple
>mast.

AGWPE (AGW's Packet Engine) is the name of the software for using a sound card. I'm not sure how it would work on the older slower machines we're talking about. These might be a very good candidate for UIView or WinAPRS. APRS+SA has a lot of nice features but it loads the processor down more than some and adding AGWPE to the mix will only make that worse. I'm sure UIView supports AGWPE but not sure about WinAPRS.

Scanner's could definitely be used and I've heard that they can sometimes be found at garage sales and the like. However, my huge sampling (1 scanner vs HT) shows that the scanner is much less sensitive than the HT. It would be worth checking a bigger sample though.

As far as antennas the TV twin lead or other J-pole might be a good way to go. They've got a good reception pattern and especially the twin lead ones are cheap. I've seen plans for one where the twin lead goes in a length of PVC pipe for added rigidity. (You have to change the length slightly because the PVC affects the velocity factor.) I'm partial to the aluminum J-Poles that I've built, but I'm not sure on the cost to build them from scratch. I have used one of those with a tire mount and a couple lengths of RS mast at my daughter's school for an APRS demo.

One other thing to think about... We may want to see if we can buddy up two or more monitors (maybe sacrificing the old 486 machines) so that more kids can see at once. LCD projectors would be nicer, of course, but probably out of our budget...

Bill

3746. Flight Prediction - TV02E 0100 MST 08/23/2002

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-23 07:14:36 UTC
From: Stephanie Steele
Topic: 3746 Message: 3746

AVN Short Range prediction now shows that a launch from Bully Creek Campground would produce a flight of 123.6 minutes with a heading of 55.3 degrees and distance of 7.0 miles landing just on the east side of Hwy 26 NW of Vale, Oregon.

--
Stephanie

****

Friends are quiet angels who lift us to our feet when our wings have trouble remembering how to fly.

****

"They that can give up essential liberty to obtain a little temporary safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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3747. Re: [tvnsp] Helium and TV02E

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-23 13:34:56 UTC
From: John Knapp
Topic: 3725 Message: 3747

Thanks, looked good.

JohnK
--- Mike Garske <kc7dpd@...> wrote:
> John,
>
> www.tvnsp.org is the web page URL
>
> Mike KC7DPD
>
>
>
> ----- Original Message -----
> From: "John Knapp" <kd7hgs@...>
> To: <tvnsp@yahoogroups.com>
> Sent: Thursday, August 22, 2002 8:10 PM
> Subject: Re: [tvnsp] Helium and TV02E
>
>
> > What is the URL?
> >
> > JohnK
> > --- Michael Garske <kc7dpd@...> wrote:
> > > Yep, I am still here Paul!
> > >
> > > Sorry just been concentrating on getting the
> webpage
> > > up and running!
> > >
> > > So do we have two helium tanks to pick up? I
> will
> > > pick them up on Friday. I
> > > am also willing to donate money for one tank of
> > > helium.....
> > >
> > > Everyone go check out the page again, let us
> know
> > > what you like or not like.
> > > Also, if there is anything else you want to see
> on
> > > the page, let us know!
> > > The archive page is not finished yet, but will
> be
> > > worked on next
> > > week.....its a work in progress!

> > >
> > > Mike KC7DPD
> > > kc7dpd@...
> > > www.tvnsp.org
> > >
> > >
> > >
> > >
> > > ----- Original Message -----
> > > From: <verhap@...>
> > > To: <tvnsp@yahoogroups.com>
> > > Sent: Thursday, August 22, 2002 5:12 PM
> > > Subject: [tvnsp] Helium and TV02E
> > >
> > >
> > > > Has anyone heard from Mike? Mike, have you
> been
> > > able to pick
> > > > up helium?
> > > >
> > > > John, can you add the following to the check
> list?
> > > We need to
> > > > measure the dew point at the launch site
> before
> > > launch. I'll bring a
> > > > sling psychrometer to do this. In your
> checklist
> > > we'll need one
> > > > blank spot to write down the dew point.
> > > >
> > > > Paul
> > > >
> > > >
> > > > To unsubscribe from this group, send an email
> to:
> > > > tvnsp-unsubscribe@egroups.com
> > > >
> > > >
> > > >
> > > > Your use of Yahoo! Groups is subject to
> > > http://docs.yahoo.com/info/terms/
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> > _____
> > Do You Yahoo!?
> > Yahoo! Autos - Get free new car price quotes
> > http://autos.yahoo.com
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> >
> > To unsubscribe from this group, send an email to:
> > tvnsp-unsubscribe@egroups.com
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http://finance.yahoo.com

3748. Flight Prediction - TV02E 0700 MST 08/23/2002

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-23 14:00:57 UTC
From: Stephanie Steele
Topic: 3748 Message: 3748

AVN Short Range prediction now shows that a launch from Bully Creek Campground would produce a flight of 123.6 minutes with a heading of 68.5 degrees and distance of 6.3 miles landing just on the west side of Hwy 26 NW of Vale, Oregon.

--
Stephanie

****

Friends are quiet angels who lift us to our feet when our wings have trouble remembering how to fly.

****

"They that can give up essential liberty to obtain a little temporary safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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3749. Re: [tvnsp] Flight Prediction - TV02E 0700 MST 08/23/2002

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-23 14:31:30 UTC
From: John Knapp
Topic: 3748 Message: 3749

Using the Bully Creek Lat/Long, I got the following:

Bearing: 81.1 degrees
Distance: 8.1 miles
Time: 123 Minutes.

Landing is at:
Lat: 44.048
Long: -117.247

Don't know if you can make the landing site after
launching. It might be close. :-)

JohnK

--- Stephanie Steele <stephanie@...> wrote:
> AVN Short Range prediction now shows that a launch
> from Bully Creek
> Campground would produce a flight of 123.6 minutes
> with a heading of
> 68.5 degrees and distance of 6.3 miles landing just
> on the west side of
> Hwy 26 NW of Vale, Oregon.
>
> --
> Stephanie
>
> ******************************
>
> Friends are quiet angels who lift us to our feet
> when our wings have
> trouble remembering how to fly.
>
> ******************************
>
> "They that can give up essential liberty to obtain a
> little temporary
> safety deserve neither liberty nor safety."
>
> Benjamin Franklin (1706-1790), Letter to Josiah
> Quincy, Sept. 11, 1773.
>
> "Those who desire to give up freedom in order to
> gain security will not
> have, nor do they deserve, either one."
>

> President Thomas Jefferson.
> 1743-1826
>
> ******************************
>
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_____
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http://autos.yahoo.com

3750. Re: [tvnsp] Flight Prediction - TV02E 0700 MST 08/23/2002

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-23 14:36:17 UTC
From: John Knapp
Topic: 3748 Message: 3750

One other note, has anyone looked at the track for the balloon. It will actually do a double loop, once going up and once going down. Talk about shear winds aloft.

JohnK

--- John Knapp <kd7hgs@...> wrote:
> Using the Bully Creek Lat/Long, I got the following:
>
> Bearing: 81.1 degrees
> Distance: 8.1 miles
> Time: 123 Minutes.
>
> Landing is at:
> Lat: 44.048
> Long: -117.247
>
> Don't know if you can make the landing site after
> launching. It might be close. :-)
>
> JohnK
>
>
> --- Stephanie Steele <stephanie@...> wrote:
> > AVN Short Range prediction now shows that a launch
> > from Bully Creek
> > Campground would produce a flight of 123.6 minutes
> > with a heading of
> > 68.5 degrees and distance of 6.3 miles landing
> just
> > on the west side of
> > Hwy 26 NW of Vale, Oregon.
> >
> > --
> > Stephanie
> >
> > ******************************
> >
> > Friends are quiet angels who lift us to our feet
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> > trouble remembering how to fly.
> >
> > ******************************
> >
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> > safety deserve neither liberty nor safety."
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> http://autos.yahoo.com
>

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3751. Re: [tvnsp] Flight Prediction - TV02E 0700 MST 08/23/2002

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-23 14:38:44 UTC
From: John Stone
Topic: 3748 Message: 3751

Where would a launch from New Plymouth put us? Paul and I were at the Snake River ARC club meeting Wednesday and there are several people who said they would be interested in "Chasing" but that arriving for the launch prep was too early for them. If we are over in Vale, they probably wouldn't be able to make it from Nampa/Caldwell for the landing.
With a distance of 6.3 miles I don't know that you could call this a chase, it is more like a morning stroll, but we should get a couple of records out of it, shortest distance and closest to prediction.
John Stone
K7JPS

--Stephanie Wrote

AVN Short Range prediction now shows that a launch from Bully Creek Campground would produce a flight of 123.6 minutes with a heading of 68.5 degrees and distance of 6.3 miles landing just on the west side of Hwy 26 NW of Vale, Oregon.

--
Stephanie

3752. Re: [tvnsp] Flight Prediction - TV02E 0700 MST 08/23/2002

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-23 15:21:48 UTC
From: Stephanie Steele
Topic: 3748 Message: 3752

I was thinking the same thing. If the predictions continue on this trend
(and at this late hour I would suspect they will) I was going to suggest
a launch from somewhere closer in at a site that would put the landing
in a good and convienent area.

Stephanie

John Stone wrote:
> Where would a launch from New Plymouth put us? Paul and I were at the
> Snake River ARC club meeting Wednesday and there are several people who
> said they would be interested in "Chasing" but that arriving for the
> launch prep was too early for them. If we are over in Vale, they probably
> wouldn't be able to make it from Nampa/Caldwell for the landing.
> With a distance of 6.3 miles I don't know that you could call this a
> chase, it is more like a morning stroll, but we should get a couple of
> records out of it, shortest distance and closest to prediction.
> John Stone
> K7JPS
>
>
> --Stephanie Wrote
>
> AVN Short Range prediction now shows that a launch from Bully Creek
> Campground would produce a flight of 123.6 minutes with a heading of
> 68.5 degrees and distance of 6.3 miles landing just on the west side of
> Hwy 26 NW of Vale, Oregon.
>
> --
> Stephanie
>
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>
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> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
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>

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Stephanie

****

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https://www.paypal.com/refer/pal=kc7dba%40arrl.net

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3753. Predictions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-23 15:34:17 UTC
From: Mark Conner
Topic: 2238 Message: 3753

Try running a prediction for 18Z tomorrow as well. The winds between 25 kft and 50 kft appear to change rapidly through the morning hours - in general, increasing from the west. Also be sure to compare Eta vs. AVN results.

Make sure your launch site permits landings 20-40 miles east as well as close-in landings.

73 de Mark N9XTN

3754. Re: [tvnsp] PCs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-23 15:59:58 UTC
From: Randy Farley
Topic: 3723 Message: 3754

Here are the definiive sites for sound card packet.

http://welcome.to/uiview

and http://www.raag.org/sv2agw/agwsc.htm

I believe all versions of APRS support sound card
interfacing. UI-view looks real interesting,but i
have not played with it much. In the beginning it
did not have moving maps,so it did not appeal to me.
I believe now it supports Precison mapping,so it might be
worth investigating again.The price is very reasonable
for registration. Also very stable from what i have read.

Maybe some sound card gurus could help here.
I have plenty of tnc's,so i have not really done
any APRS packet with a soundcard yet.

I have only used the soundcard to generate DTMF,CW and WAV
files over the air with a Rigblaster.

>>> tonybarrett@... 08/22/02 05:12PM >>>
Tony Baca (W7VI) and Gene Pentecost (W4IMT), both very active local hams,
are experts at using sound cards as TNCs. Do these machines have sound
cards? If not, I hear old sound cards are pretty cheap and readily
available. Some people even give them away to their friends.
:-)

73,

Tony

At 03:15 PM 8/22/02 -0700, you wrote:
>I have heard, and have acutally down loaded the
>software (can't remember the name). But there was some
>discussion on what O/S versions it works on. If we can
>get it to work, it would be a good thing to use. I
>believe there is someone on the list that does use it.
>
>JohnK
>
>--- verhap@...01.k12.id.us wrote:
> > TVNSP may be given 13 PCs. The donations would go
> > through
> > VOI so that Simplot can get a donation credit on
> > their taxes, then
> > move on to TVNSP. We should have permission to sell

> > some of
> > them for balloon money. I'd like to see TVNSP set a
> > couple of
> > them up for a Mission Control. We'd install
> > software like, APRS +,
> > Balloon Track, Liftwin, etc on the PCs and have
> > students run
> > through the entire process of predicting a flight
> > and then watching it
> > live. The classes we're teaching right now would be
> > used to teach
> > kids to be mission control (so don't lose your
> > notes).
> > Organizations like schools and scouts would get
> > involved. Perhaps
> > even adult organizations like the Lions Club would
> > like to get
> > involved with a flight.
> >
> > We'd need to get TNCs, HTs, and antennas for Mission
> > Control.
> > John mentioned that there may be a way to use a
> > sound card as a
> > TNC. If so, we could save some money there. I
> > think a scanner
> > could be used in place of the HT, saving money
> > again. We could
> > make simple ground plane antennas and mount them on
> > a simple
> > mast.
> >
> > We'll need someone with some free space (a garage?)
> > to store
> > mission control. It would probably be best if we
> > purchased some
> > plastic tubs to store the equipment in.
> >
> > The balloon group, Windtrax, did something similiar
> > several years
> > ago and were very sucessful. I hope we could do the
> > same thing in
> > Idaho.
> >
> > Paul
> >
>
>
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>
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>tvnsp-unsubscribe@egroups.com
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><http://docs.yahoo.com/info/terms/>Yahoo! Terms of Service.

3755. PC's

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-23 16:10:51 UTC
From: Randy Farley
Topic: 3755 Message: 3755

This is a more direct link to AGWPE packet than thru UI-view,sorry busy,busy morning.

http://www.qsl.net/soundcardpacket/

3756. Launch Site Considerations TV02E

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-23 16:18:29 UTC
From: Stephanie Steele
Topic: 3756 Message: 3756

Hi all,

The flight predictions continue to show a very short flight with a NEE track. Nothing really seems to be changing much in the forecast.

I have been playing with the data to move the event closer in due to the predicted short flight path. There are any number of locations that will work but one I have been playing with is a launch from the Ontario Heights area near SRCI which puts the landing near the Payette Junction on the Oregon Slope. This would avoid any towns/cities and would minimize the chance of a landing out in the pucker brush. It also would have a high probability of flying over my house ;-) The predicted NEE track for this flight makes finding a good location a little tricky. Could someone else poke around and see what you could find.

SRCI (estimated)
44.08231
-117.08497
2250

Looks like there will be a lot to discuss at tonight's meeting.

--
Stephanie

****

Friends are quiet angels who lift us to our feet when our wings have trouble remembering how to fly.

****

"They that can give up essential liberty to obtain a little temporary safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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3757. Re: [tvnsp] Helium and TV02E

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-23 17:50:12 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3725 Message: 3757

> Mike - the keeper of the helium - has it all under control.
> He will have the helium ready for launch time.

Actually, Mike is the keeper of the Noble Gases.

Paul, Keeper of the Noble Rabbits

3758. Re: [tvnsp] PCs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-23 17:50:55 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3723 Message: 3758

> It would be really cool to package "mission control" in a utility trailer
> that could be towed to various schools and events kind of like the Twin
> Falls group does. The trailer could be the storage space too.

Well, as soon as someone offers us a trailer........

Paul

3759. Re: [tvnsp] PCs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-23 17:52:42 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3723 Message: 3759

> Tony Baca (W7VI) and Gene Pentecost (W4IMT), both very active local hams,
> are experts at using sound cards as TNCs. Do these machines have sound
> cards? If not, I hear old sound cards are pretty cheap and readily
> available. Some people even give them away to their friends.

I don't know if they have sound cards. I hope we can look them over after the TV02E launch. I was thinking along the lines you mentioned. Even if they don't have sound cards, buying sound cards may be cheaper than buying a TNC.

Paul

3760. Re: [tvnsp] Launch Site Considerations TV02E

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-23 16:51:33 UTC
From: Tim Rynearson
Topic: 3756 Message: 3760
Attachments: 2 described; binary payloads are missing from this source WARC

so launch in Middleton for a landing in MY back yard....

Tim....N7UBO

-------Original Message-------

From:tvnsp@yahoogroups.com
Date: Friday, August 23, 2002 09:55:16 AM
To:tvnsp@yahoogroups.com
Subject: [tvnsp] Launch Site Considerations TV02E

Hi all,

The flight predictions continue to show a very short flight with a NEE track. Nothing really seems to be changing much in the forecast.

I have been playing with the data to move the event closer in due to the predicted short flight path. There are any number of locations that will work but one I have been playing with is a launch from the Ontario Heights area near SRCI which puts the landing near the Payette Junction on the Oregon Slope. This would avoid any towns/cities and would minimize the chance of a landing out in the pucker brush. It also would have a high probability of flying over my house ;-) The predicted NEE track for this flight makes finding a good location a little tricky. Could someone else poke around and see what you could find.

SRCI (estimated)
44.08231
-117.08497
2250

Looks like there will be a lot to discuss at tonight's meeting.

--
Stephanie

****

Friends are quiet angels who lift us to our feet when our wings have trouble remembering how to fly.

****

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1743-1826

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3761. Re: [tvnsp] Helium and TV02E

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-23 16:56:30 UTC
From: Stephanie Steele
Topic: 3725 Message: 3761

Thanks for straighening that out for us.

Stephanie, Keeper of the Hot Air

verhap@... wrote:
>>Mike - the keeper of the helium - has it all under control.
>>He will have the helium ready for launch time.
>
>
> Actually, Mike is the keeper of the Noble Gases.
>
> Paul, Keeper of the Noble Rabbits
>
>
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>
>

--
Stephanie

****

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****

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3762. Re: [tvnsp] Helium and TV02E

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-23 17:56:54 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3725 Message: 3762

> So do we have two helium tanks to pick up? I will pick them up on Friday. I
> am also willing to donate money for one tank of helium.....

So far $77 has been sent to Sheehans. I let them know we'll pick
up two tanks in September and pay for them afterwards.

Paul

3763. Re: [tvnsp] Flight Prediction - TV02E 0100 MST 08/23/2002

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-23 18:03:13 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3746 Message: 3763

> AVN Short Range prediction now shows that a launch from Bully Creek
> Campground would produce a flight of 123.6 minutes with a heading of
> 55.3 degrees and distance of 7.0 miles landing just on the east side of
> Hwy 26 NW of Vale, Oregon.

Seven miles?!
That's not a chase, it's a walk.

Paul

3764. Re: [tvnsp] Flight Prediction - TV02E 0700 MST 08/23/2002

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-23 18:05:25 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3748 Message: 3764

> One other note, has anyone looked at the track for the
> balloon. It will actually do a double loop, once going
> up and once going down. Talk about shear winds aloft.

The bad part of that track is that the ground photos will all show the
same thing.

Has anyone looked into launching someplace closer to Boise? Are
the winds predicted to be close enough to the same?

Paul

3765. Re: [tvnsp] Helium and TV02E

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-23 18:09:11 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3725 Message: 3765

> Thanks for straighening that out for us.
>
> Stephanie, Keeper of the Hot Air

Naw, the Keepers of the Hot Air are in the State Capitol in Boise.

Paul

3766. TV02E Configuration, please look over

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-23 18:10:39 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3725 Message: 3766
Attachments: 2 described; binary payloads are missing from this source WARC

Stephanie, please look this over. It's the TV02E configuration I've been editing. See if there's anything I need to add or correct for your capsule.

Paul

3767. Re: [tvnsp] Launch Site Considerations TV02E

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-23 18:12:20 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3756 Message: 3767

> so launch in Middleton for a landing in MY back yard....

We need to watch out for the meth labs in Middleton!

Paul "I interviewed in Middleton" Verhage

3768. MRF

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-23 18:16:58 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 383 Message: 3768

Now the MRF doesn't show the low breaking up until Saturday night, our time. We're predicted to have stronger winds also. The capsule should go primarily east according to the current MRF for Saturday morning.

The Washington, Oregon, Idaho border will have the winds we want.

Paul

3769. Re: [tvnsp] Launch Site Considerations TV02E

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-23 17:26:19 UTC
From: bherrman@spro.net
Topic: 3756 Message: 3769

> Looks like there will be a lot to discuss at tonight's meeting.

Can somebody be sure to post a summary?

We won't be able to make the meeting tonight, but due to a sudden postponement of the first soccer games we suddenly find ourselves available Saturday so we may try to help with the chase. (If we're not able to drag the kids out for the chase I'll be glad to help with posting data objects as before.)

Obviously, we'll need to know meeting place and time.

Bill

3770. Re: [tvnsp] Launch Site Considerations TV02E

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-23 17:27:10 UTC
From: bherrman@spro.net
Topic: 3756 Message: 3770

> so launch in Middleton for a landing in MY back yard....

I'm all for that - Middleton is only 12 miles away. <G>

Bill

3771. Re: [tvnsp] Launch Site Considerations TV02E

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-23 18:30:13 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3756 Message: 3771

> > Looks like there will be a lot to discuss at tonight's meeting.
>
> Can somebody be sure to post a summary?

That reminds me, we need to send word outover the repeater.
Some from the Snake River club asked for this.

Paul

3772. Re: [tvnsp] TV02E Configuration, please look over

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-23 17:32:06 UTC
From: Stephanie Steele
Topic: 3725 Message: 3772

Looks good to me.

verhap@... wrote:
> Stephanie, please look this over. It's the TV02E configuration I've
> been editing. See if there's anything I need to add or correct for
> your capsule.
>
> Paul
>
>
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> Date: 22 Aug 2002, 18:50
> Size: 31232 bytes.
> Type: Unknown

--
Stephanie

****

Friends are quiet angels who lift us to our feet when our wings have
trouble remembering how to fly.

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

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3773. Re: [tvnsp] Flight Prediction - TV02E 0700 MST 08/23/2002

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-23 17:33:13 UTC
From: Stephanie Steele
Topic: 3748 Message: 3773

And why would we want to do that?

verhap@... wrote:
>>One other note, has anyone looked at the track for the
>>balloon. It will actually do a double loop, once going
>>up and once going down. Talk about shear winds aloft.
>
>
> The bad part of that track is that the ground photos will all show the
> same thing.
>
> Has anyone looked into launching someplace closer to Boise? Are
> the winds predicted to be close enough to the same?
>
> Paul
>
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--
Stephanie

****

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3774. Re: [tvnsp] TV02E Configuration, please look over

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-23 18:33:28 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3725 Message: 3774

Thanks, I'll make copies and bring them to tonight's meeting.

Paul
> Looks good to me.
>
>
>
> verhap@... wrote:
> > Stephanie, please look this over. It's the TV02E configuration I've
> > been editing. See if there's anything I need to add or correct for
> > your capsule.
> >
> > Paul
> >
> >
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> >
> > ---- File information -----------
> > File: missio~2.doc
> > Date: 22 Aug 2002, 18:50
> > Size: 31232 bytes.
> > Type: Unknown
>
>
> --
> Stephanie
>
> ********************************
>
> Friends are quiet angels who lift us to our feet when our wings have

> trouble remembering how to fly.
>
> ******************************
>
> "They that can give up essential liberty to obtain a little temporary
> safety deserve neither liberty nor safety."
>
> Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.
>
> "Those who desire to give up freedom in order to gain security will not
> have, nor do they deserve, either one."
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3775. Re: [tvnsp] Flight Prediction - TV02E 0700 MST 08/23/2002

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-23 18:35:22 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3748 Message: 3775

> And why would we want to do that?

Not so much Boise, but closer to where most of us live.

Paul

3776. Re: [tvnsp] Launch Site Considerations TV02E

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-23 17:35:13 UTC
From: Tim Rynearson
Topic: 3756 Message: 3776
Attachments: 2 described; binary payloads are missing from this source WARC

The meth labs shouldn't be a problem.....Helium isn't explosive.

-------Original Message-------

From:tvnsp@yahoogroups.com
Date: Friday, August 23, 2002 10:49:38 AM
To:tvnsp@yahoogroups.com
Subject: Re: [tvnsp] Launch Site Considerations TV02E

> so launch in Middleton for a landing in MY back yard....

We need to watch out for the meth labs in Middleton!

Paul "I interviewed in Middleton" Verhage

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3777. Re: [tvnsp] Launch Site Considerations TV02E

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-23 17:36:15 UTC
From: Randy Farley
Topic: 3756 Message: 3777

Is the increasing humor level around here the result of too many leaking gases in the area ? Or just pre launch jitters? This is very distracting at my work place. My boss frowns for some reason when i break out in hysterical laughter fits ? So knock it off ;-)

Way too serious Randy

>>> verhap@occ1.sd01.k12.id.us 08/23/02 11:12AM >>>
> so launch in Middleton for a landing in MY back yard....

We need to watch out for the meth labs in Middleton!

Paul "I interviewed in Middleton" Verhage

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3778. Re: [tvnsp] PCs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-23 17:37:18 UTC
From: John Stone
Topic: 3723 Message: 3778

In talking to Russ N7SMA at the SRARC meeting last Wednesday night, he said that the PCs do not have Sound Cards. The reason I suggested the idea originally is that it may be a less expensive solution, and it makes setup easier for school groups to do. Whoever volunteers for mission control should learn how the software works and it should be tested to see that we are able to track objects.
John
K7JPS

-- Paul Wrote

I don't know if they have sound cards. I hope we can look them over after the TV02E launch. I was thinking along the lines you mentioned. Even if they don't have sound cards, buying sound cards may be cheaper than buying a TNC.

Paul

3779. Flight Prediction - TV02E 1130 MST 08/23/2002

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-23 17:40:28 UTC
From: Stephanie Steele
Topic: 3779 Message: 3779

AVN Short Range prediction now shows that a launch from Anderson Corners near Nyssa, Oregon would produce a flight of 124.5 minutes with a heading of 72.3 degrees and distance of 13.3 miles landing just on the north side of Hwy 52 between New Plymouth and Emmett.

--
Stephanie

****

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****

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President Thomas Jefferson.
1743-1826

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3780. Re: [tvnsp] Flight Prediction - TV02E 0700 MST 08/23/2002

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-23 17:42:12 UTC
From: Stephanie Steele
Topic: 3748 Message: 3780

Oh yeah! See how you are?

verhap@... wrote:
>>And why would we want to do that?
>
>
> Not so much Boise, but closer to where most of us live.
>
> Paul
>
>
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> tvnsp-unsubscribe@egroups.com
>
>
>
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>
>
>

--
Stephanie

****

Friends are quiet angels who lift us to our feet when our wings have
trouble remembering how to fly.

****

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safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
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President Thomas Jefferson.
1743-1826

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3781. Re: [tvnsp] PCs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-23 18:46:32 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3723 Message: 3781

Ralph Wallio emailed me some documentation from Windtrax. I'll
bring them to the meeting tonight. I propose we do something like
windtrax with these PCs.

Paul

> In talking to Russ N7SMA at the SRARC meeting last Wednesday night, he
> said that the PCs do not have Sound Cards. The reason I suggested the
> idea originally is that it may be a less expensive solution, and it makes
> setup easier for school groups to do. Whoever volunteers for mission
> control should learn how the software works and it should be tested to see
> that we are able to track objects.
> John
> K7JPS
>
> -- Paul Wrote
>
> I don't know if they have sound cards. I hope we can look them
> over after the TV02E launch. I was thinking along the lines you
> mentioned. Even if they don't have sound cards, buying sound
> cards may be cheaper than buying a TNC.
>
> Paul
>
>
>
>
>
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>
>
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>

3782. TV02E Checklist

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-23 18:47:13 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3723 Message: 3782

John, can you another item to the checklist? We need to photograph the capsules before launch.

Paul

3783. Re: [tvnsp] Flight Prediction - TV02E 1130 MST 08/23/2002

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-23 17:53:50 UTC
From: Tim Rynearson
Topic: 3779 Message: 3783
Attachments: 2 described; binary payloads are missing from this source WARC

soooooo........a launch from Sand Hollow would put it down REALLY close to my back yard.........

Tim

-------Original Message-------

From:tvnsp@yahoogroups.com
Date: Friday, August 23, 2002 11:17:17 AM
To:tvnsp@yahoogroups.com
Subject: [tvnsp] Flight Prediction - TV02E 1130 MST 08/23/2002

AVN Short Range prediction now shows that a launch from Anderson Corners near Nyssa, Oregon would produce a flight of 124.5 minutes with a heading of 72.3 degrees and distance of 13.3 miles landing just on the north side of Hwy 52 between New Plymouth and Emmett.

--
Stephanie

****

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****

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3784. Re: [tvnsp] Flight Prediction - TV02E 1130 MST 08/23/2002

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-23 17:59:19 UTC
From: Stephanie Steele
Topic: 3779 Message: 3784

Give it up Tim ;-)

Tim Rynearson wrote:
>
> soooooo.....a launch from Sand Hollow would put it down REALLY close
> to my back yard.....
>
> Tim
>
> /-------Original Message-------/
>
> /*From:*/tvnsp@yahoogroups.com <mailto:tvnsp@yahoogroups.com>
> /*Date:*/ Friday, August 23, 2002 11:17:17 AM
> /*To:*/tvnsp@yahoogroups.com <mailto:tvnsp@yahoogroups.com>
> /*Subject:*/ [tvnsp] Flight Prediction - TV02E 1130 MST 08/23/2002
>
> AVN Short Range prediction now shows that a launch from Anderson Corners
> near Nyssa, Oregon would produce a flight of 124.5 minutes with a
> heading of 72.3 degrees and distance of 13.3 miles landing just on the
> north side of Hwy 52 between New Plymouth and Emmett.
>
> --
> Stephanie
>
> ******************************
>
> Friends are quiet angels who lift us to our feet when our wings have
> trouble remembering how to fly.
>
> ******************************
>
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> safety deserve neither liberty nor safety."
>
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>
> "Those who desire to give up freedom in order to gain security will not
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> President Thomas Jefferson.
> 1743-1826
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> ~---~
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> *Email has finally evolved* - *_Click Here_*
> <http://www.incredimail.com/redir.asp?ad_id=309&lang=9>
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Stephanie

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3785. Re: [tvnsp] Flight Prediction - TV02E 1130 MST 08/23/2002

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-23 18:00:27 UTC
From: Tim Rynearson
Topic: 3779 Message: 3785
Attachments: 2 described; binary payloads are missing from this source WARC

and the landing coordinates would be: 43' 52.5" X 116'29.36"

-------Original Message-------

From:tvnsp@yahoogroups.com
Date: Friday, August 23, 2002 11:36:05 AM
To:tvnsp@yahoogroups.com
Subject: Re: [tvnsp] Flight Prediction - TV02E 1130 MST 08/23/2002

Give it up Tim ;-)

Tim Rynearson wrote:
>
> soooooo.....a launch from Sand Hollow would put it down REALLY close
> to my back yard.....
>
> Tim
>
> /-------Original Message-------/
>
> /*From:*/tvnsp@yahoogroups.com <mailto:tvnsp@yahoogroups.com>
> /*Date:*/ Friday, August 23, 2002 11:17:17 AM
> /*To:*/tvnsp@yahoogroups.com <mailto:tvnsp@yahoogroups.com>
> /*Subject:*/ [tvnsp] Flight Prediction - TV02E 1130 MST 08/23/2002
>
> AVN Short Range prediction now shows that a launch from Anderson Corners
> near Nyssa, Oregon would produce a flight of 124.5 minutes with a
> heading of 72.3 degrees and distance of 13.3 miles landing just on the
> north side of Hwy 52 between New Plymouth and Emmett.
>
> --
> Stephanie
>
> ******************************
>
> Friends are quiet angels who lift us to our feet when our wings have
> trouble remembering how to fly.
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> ******************************
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> .
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> ~---
> <http://www.incredimail.com/redir.asp?ad_id=309&lang=9> /IncrediMail/ -
> *Email has finally evolved* - *_Click Here_*

> <http://www.incredimail.com/redir.asp?ad_id=309&lang=9>
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Stephanie

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3786. Re: [tvnsp] Flight Prediction - TV02E 0700 MST 08/23/2002

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-23 19:17:59 UTC
From: John Knapp
Topic: 3748 Message: 3786

Haven't had time yet, but will make an attempt before
the meeting.

JohnK
--- verhap@... wrote:
> > One other note, has anyone looked at the track for
> the
> > balloon. It will actually do a double loop, once
> going
> > up and once going down. Talk about shear winds
> aloft.
>
> The bad part of that track is that the ground photos
> will all show the
> same thing.
>
> Has anyone looked into launching someplace closer to
> Boise? Are
> the winds predicted to be close enough to the same?
>
> Paul
>

_____
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3787. Audio Beacon

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-23 19:21:41 UTC
From: John Stone
Topic: 743 Message: 3787

Paul is wanting to put an audio beacon on the 3-Peat Capsule. This is a piezo speaker and a 9v battery so would add a few oz. Stephanie, will this be OK
John
K7JPS

3788. Re: [tvnsp] Flight Prediction - TV02E 0700 MST 08/23/2002

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-23 19:22:23 UTC
From: Stephanie Steele
Topic: 3748 Message: 3788

Actually, this could be a good thing. I would like lots of photos of my house on the fly over ;-)

Stephanie

verhap@... wrote:
>>One other note, has anyone looked at the track for the
>>balloon. It will actually do a double loop, once going
>>up and once going down. Talk about shear winds aloft.
>
>
> The bad part of that track is that the ground photos will all show the
> same thing.
>
> Has anyone looked into launching someplace closer to Boise? Are
> the winds predicted to be close enough to the same?
>
> Paul
>
>
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Stephanie

****

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3789. Re: [tvnsp] TV02E Configuration, please look over

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-23 19:39:43 UTC
From: John Stone
Topic: 3725 Message: 3789

Paul I noticed in your configuration list that you have a 5' (foot) ram air cup for the RH/Temp probe. I think you meant a 5" (inch) cup.
John Stone
K7JPS

-- Paul Wrote

Stephanie, please look this over. It's the TV02E configuration I've been editing. See if there's anything I need to add or correct for your capsule.

Paul

3790. Re: [tvnsp] TV02E Configuration, please look over

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-23 20:48:39 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3725 Message: 3790

> Paul I noticed in your configuration list that you have a 5' (foot) ram
> air cup for the RH/Temp probe. I think you meant a 5" (inch) cup.

The five foot refers to the length of the boom.

Paul

3791. Re: [tvnsp] Audio Beacon

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-23 19:49:48 UTC
From: Stephanie Steele
Topic: 743 Message: 3791

Where does it go? Does it just clip onto something or ?????????????????/

Stephanie

John Stone wrote:
> Paul is wanting to put an audio beacon on the 3-Peat Capsule. This is a
> piezo speaker and a 9v battery so would add a few oz. Stephanie, will
> this be OK
> John
> K7JPS
>
>
>
>
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3792. Re: [tvnsp] Audio Beacon

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-23 21:03:47 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 743 Message: 3792

The beacon is connected to a boom outside the capsule. It's
battery and switch need to be mounted inside. If you can't use
your power panel, then we'll unpack my capsule and move it into
there.

Paul

> Where does it go? Does it just clip onto something or ??????????????????/
>
> Stephanie
>
>
> John Stone wrote:
> > Paul is wanting to put an audio beacon on the 3-Peat Capsule. This is a
> > piezo speaker and a 9v battery so would add a few oz. Stephanie, will
> > this be OK
> > John
> > K7JPS
> >
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> --
> Stephanie
>
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3793. Re: [tvnsp] Audio Beacon

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-23 20:18:55 UTC
From: Stephanie Steele
Topic: 743 Message: 3793

I'll look at it tonight. I know I have plenty of space (the
understatement of the mission) but I am unsure as to the best way to
route it's power cable.

Stephanie

verhap@... wrote:
> The beacon is connected to a boom outside the capsule. It's
> battery and switch need to be mounted inside. If you can't use
> your power panel, then we'll unpack my capsule and move it into
> there.
>
> Paul
>
>
>>Where does it go? Does it just clip onto something or ??????????????????/
>>
>>Stephanie
>>
>>
>>John Stone wrote:
>>
>>>Paul is wanting to put an audio beacon on the 3-Peat Capsule. This is a
>>>piezo speaker and a 9v battery so would add a few oz. Stephanie, will
>>>this be OK
>>>John
>>>K7JPS
>>>
>>>
>>>
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>>>To unsubscribe from this group, send an email to:
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>>--
>>Stephanie

>>
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>
>
>

--
Stephanie

****

Friends are quiet angels who lift us to our feet when our wings have
trouble remembering how to fly.

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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3794. Miscellaneous comments

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-23 20:37:40 UTC
From: n1ltv
Topic: 3794 Message: 3794

> AVN Short Range prediction now shows that a launch from
> Bully Creek Campground would produce a flight of
> 123.6 minutes.

The winds have no effect to on the balloon flight duration.
It is determined only by burst altitude, and balloon ascent
and payload descent speeds.

The slight variations in launch time noted have to do
with the imperfect way in which Balloon Track handles
ascent and descent.

> Did you use the Bully Creek lat/lon for getting the data file?
> I found this made a difference (huge) over using BOI weather.

This huge difference is due to the Oregon/Idaho upper
air circulation feature mentioned Wednesday which makes
the winds vary highly with position in the area of the
circulation.

Hank

3795. Re: Predictions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-23 20:58:13 UTC
From: n1ltv
Topic: 2238 Message: 3795

> Make sure your launch site permits landings 20-40 miles
> east as well as close-in landings.

This is good advice from Mark.

The models have shown terrible convergence so far.
Good convergence would typically be +/- 5% variation in
range and +/- 2 degrees in bearing.

The geographic sensitivity of the winds (in reality and in
the models) means that the actual track may diverge from
even the best and latest prediction that can be made.

The good news is that the circulation center (zero wind speed)
has drifted eastward since Wednesday's model run and is now
in the vicinity of western Idaho. The exact center location
depends on the upper level at which you're measuring
the wind.

This means that with a short track, if that's
how it actually turns out, it doesn't much matter if the
predicted bearing is way off or the predicted range
(as a percentage) is way off.

Be cautious about a projected short track though, because
not far away (geographically) in the models the upper level
winds are moderately strong from the west.

Hank

3796. Re: Miscellaneous comments

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-23 21:08:11 UTC
From: n1ltv
Topic: 3794 Message: 3796

> The slight variations in launch time noted have to do

should be variations in total *flight* time.

3797. Re: Add Findu site to Home Page

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-23 21:27:54 UTC
From: Mike Garske
Topic: 3797 Message: 3797

John,

The links have been put on the Main page!

Mike KC7DPD

----- Original Message -----
From: "K7JPS - John" <k7jps@...>
To: "Mike Garske" <kc7dpd@...>
Sent: Thursday, August 22, 2002 10:12 PM
Subject: Add Findu site to Home Page

> Mike,
>
> Could you add the following links in a prominent location on the main
page.
>
> http://map.findu.com/kd4sth-11 and http://map.findu.com/kc7dba-11 make
some
> note about our expected launch time. This way when we are on the chase we
> can send ham's who are listening in on the repeater to our web page and
they
> can follow the balloon.
>
>
>

3798. Flight Predictions TV02E 1600 MST 08/24/2002

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-23 22:39:19 UTC
From: Stephanie Steele
Topic: 3798 Message: 3798

Flight launched from Anderson Corner now shows 64.8 degrees and 18.9
miles landing NNW of Letha.

--
Stephanie

****

Friends are quiet angels who lift us to our feet when our wings have
trouble remembering how to fly.

****

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safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
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3799. Re: [tvnsp] Flight Predictions TV02E 1600 MST 08/24/2002

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-23 22:46:07 UTC
From: Tim Rynearson
Topic: 3798 Message: 3799
Attachments: 2 described; binary payloads are missing from this source WARC

GETTING CLOSER !!!!

-------Original Message-------

From:tvnsp@yahoogroups.com
Date: Friday, August 23, 2002 04:16:11 PM
To:tvnsp@yahoogroups.com
Subject: [tvnsp] Flight Predictions TV02E 1600 MST 08/24/2002

Flight launched from Anderson Corner now shows 64.8 degrees and 18.9
miles landing NNW of Letha.

--
Stephanie

****

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.

3800. [tvnsp] Flight Predictions TV02E 1600 MST 08/24/2002 - Supplement

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-23 22:49:18 UTC
From: Stephanie Steele
Topic: 3800 Message: 3800

Flight launched from Anderson Corner now shows 64.8 degrees and 18.9
miles landing NNW of Letha.

Current conditions make Bully Creek again a viable launch site with a
flight of 14.0 miles at 61.7 degrees. The current landing position would
be between Hwy 26 and I-84 NW of Ontario. This path has a lot of room
for the flight to go long without any hazzards.

--
Stephanie

****

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trouble remembering how to fly.

****

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3801. TV02E Launch Information

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-24 04:29:55 UTC
From: Mike Garske
Topic: 3801 Message: 3801

Here is the information for the launch tomorrow for everyone that wasn't at the meeting tonight.....It is also posted on the webpage at www.tvnsp.org

Mike KC7DPD

TV02E Mission Information:

Launch/Chase Crews meeting at the Wal-Mart Parking Lot in Ontario, OR no later than 5 AM local time!

Launch Site will most likely be at Bully Creek Campground near Vale, OR

Launch time is scheduled for 7am MDT (1300 UTC), 24 August 2002

Projected Altitude: 90,000 feet

Balloon Callsigns: KD4STH-11, KC7DBA-11

Primary Repeater Frequency :147.240

Secondary Repeater: 147.200

Recovery Frequency: 146.520 Simplex

3802. Flight Prediction TV01E 10:30 MST 08/23/2002

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-24 04:34:02 UTC
From: Stephanie Steele
Topic: 3802 Message: 3802

10:22 MST - AVN Data for 12z on 08/24/2002 from Bully Creek has the flight traveling 19.1 miles on a heading of 60.2 degrees landing at 44.1668/-117.0754

10:24 MST - ETA Data for 12z on 08/24/2002 from Bully Creek has the flight traveling 13.7 miles on a heading of 50.1 degrees landing at 44.157/-117.1979

That's all for tonight folks! I'll run final calculations in the morning at 5am.

--
Stephanie

****

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****

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3803. Final Flight Prediction TVNSP TV02E 0500 MST 08/24/2002

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-24 11:14:18 UTC
From: Stephanie Steele
Topic: 3803 Message: 3803

Hi Ralph,

Here is my final prediction for TVNSP flight TV02E for your consideration.

Launch 44.03/-117.41
Landing 44.1675/-116.9178

--
Stephanie

****

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trouble remembering how to fly.

****

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3804. Re: [tvnsp] Final Flight Prediction TVNSP TV02E 0500 MST 08/24/2002

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-24 15:19:00 UTC
From: Harry M
Topic: 3803 Message: 3804

Is there an HF Net on this flight?

Harry
KC5TRB

3805. TVNSP at 30kft, descending

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-24 15:22:34 UTC
From: Mark Conner
Topic: 3805 Message: 3805

Max altitude was about 92,000 ft. Data looks pretty consistent.
Looks like the landing will be about 25 miles NE of the launch
site, or a little east of where I-84 crosses the Snake River.
Hopefully the landing isn't too close to the river.

- Mark

3806. Re: TVNSP at 30kft, descending

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-24 15:42:06 UTC
From: n1ltv
Topic: 3805 Message: 3806

> Max altitude was about 92,000 ft. Data looks pretty consistent.
> Looks like the landing will be about 25 miles NE of the launch
> site, or a little east of where I-84 crosses the Snake River.
> Hopefully the landing isn't too close to the river.

I think 84 just parallels the Snake. I've got the balloon
landing in about the same place, but maybe a couple miles
short so it could be close to the river.

02E did quite a loopback just like the Boise sounding this
morning.

Hank

3807. Landing Prediction

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-24 15:42:25 UTC
From: Harry M
Topic: 3807 Message: 3807

One of my Balloon Track predictions puts the touchdown at these coordinates... N44 17.6508 W117 0.9905 Bearing/Range=39?/26 mi.

Harry
KC5TRB

3808. Re: [tvnsp] Landing Prediction

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-24 15:46:34 UTC
From: Harry M
Topic: 3807 Message: 3808

There haven't been any FNDU updates since 1535 UTC.

Raw packet:
KC7DBA-11>GPSPO,WIDE3-2,qAS,KC7DBA:$GPRMC,153213,A,4416.3309,N,11708.8436,W,
008.8,247.3,240802,016.4,E*66

Raw packet:
KD4STH-11>GPSPO,WIDE3-2,qAS,KC7DBA:$GPRMC,153202,A,4416.3375,N,11708.8412,W,
007.3,119.3,240802,016.4,E*67

Harry

3809. TVNSP on the ground

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-24 15:55:27 UTC
From: Mark Conner
Topic: 3809 Message: 3809

I think Paul and company have a little hiking to do:
http://www.topozone.com/map.asp?z=11&n=4901899&e=488236&s=25

This is the location of the last report from about 1000' AGL.
The balloon was moving at about 10-15 mph at the time, so the
actual landing should be near this.

This is on the side of Indian Head Mountain, elev. 3643'. The
landing site is at about 3100' and the river elevation (where all
the roads are) is about 2100'. The landing is about 0.7 mi from
the road, but the topo map indicates at least a foot trail
heading to near the landing site.

Terraserver shows there may be some sort of cabin back there and
a trail to it:
http://terraserver.homeadvisor.msn.com/image.aspx?t=1&s=10&x=2441
&y=24510&z=11&w=2

73 de Mark N9XTN

3810. TV02E last position plotted on topo map

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-24 16:51:36 UTC
From: Hank Riley
Topic: 3810 Message: 3810
Attachments: 1 described; binary payloads are missing from this source WARC

Here's the last position (STH and DBA at virtually the same
place on this map scale). 02E managed to reach Idaho by a
whisker and in the process barely missed the Snake River.

It's already up 3100 feet on a 3650 foot peak and not quite
landed. I guess there will be stories to tell. :)

Hank

____
Join the world?s largest e-mail service with MSN Hotmail.
http://www.hotmail.com

3811. Chase team approaching landing site

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-24 16:54:34 UTC
From: Mark Conner
Topic: 3811 Message: 3811

It appears at least one vehicle is able to drive up the trail towards the landing site. KD7INN is now within 0.3 mi of the capsule's last reported position.

- Mark

3812. Hike away!

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-24 16:56:02 UTC
From: Doug Eubanks
Topic: 3812 Message: 3812

I can see it now......Paul having dreams and
desires for
the plains of Kansas.........

More roads too! :-)

Doug, KA?O
ka0o@...

3813. Re: [tvnsp] Hike away!

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-24 17:10:44 UTC
From: Tony Barrett
Topic: 3812 Message: 3813

Report from KD7PIT at 11:09 MDT says "found".

N7MTZ

At 11:56 AM 8/24/02 -0500, you wrote:
>I can see it now......Paul having dreams and desires for
>the plains of Kansas.........
>
>More roads too! :-)
>
>Doug, KAØO
><mailto:ka0o@...>ka0o@...
>
>
>
>To unsubscribe from this group, send an email to:
>tvnsp-unsubscribe@egroups.com
>
>
>
>Your use of Yahoo! Groups is subject to the
><http://docs.yahoo.com/info/terms/>Yahoo! Terms of Service.

3814. test

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-24 17:29:50 UTC
From: Zack Clobes
Topic: 1546 Message: 3814

Having problems with my emails... Just testing.
Zack

3815. Capsule recovered

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-24 17:46:52 UTC
From: Mark Conner
Topic: 3815 Message: 3815

KD7INN reports capsule is recovered and the chasers are heading back.

73 de Mark N9XTN

3816. Re: [tvnsp] Hike away!

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-24 17:48:53 UTC
From: Tony Barrett
Topic: 3812 Message: 3816

Looks like they're headed out at about 11:45 MDT. I'm assuming the recovery has been completed. Haven't heard any voice traffic or seen any new APRS messages.

N7MTZ

At 11:56 AM 8/24/02 -0500, you wrote:
>I can see it now......Paul having dreams and desires for
>the plains of Kansas.........
>
>More roads too! :-)
>
>Doug, KAØO
><mailto:ka0o@...>ka0o@...
>
>
>
>To unsubscribe from this group, send an email to:
>tvnsp-unsubscribe@egroups.com
>
>
>
>Your use of Yahoo! Groups is subject to the
><http://docs.yahoo.com/info/terms/>Yahoo! Terms of Service.

3817. Re: [tvnsp] Hike away!

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-24 17:52:01 UTC
From: Tony Barrett
Topic: 3812 Message: 3817

Got confirmation via packet message at 11:44. "Got the capsules
OK?" "Yes, and are headed back".

At 11:48 AM 8/24/02 -0600, you wrote:
>Looks like they're headed out at about 11:45 MDT. I'm assuming the
>recovery has been completed. Haven't heard any voice traffic or seen any
>new APRS messages.
>
>N7MTZ
>
>
>At 11:56 AM 8/24/02 -0500, you wrote:
> >I can see it now......Paul having dreams and desires for
> >the plains of Kansas.........
> >
> >More roads too! :-)
> >
> >Doug, KAØO
> ><mailto:ka0o@...>ka0o@...
> >
> >
> >
> >To unsubscribe from this group, send an email to:
> >tvnsp-unsubscribe@egroups.com
> >
> >
> >
> >Your use of Yahoo! Groups is subject to the
> ><<http://docs.yahoo.com/info/terms/>http://docs.yahoo.com/info/terms/>Yah
> oo! Terms of Service.
>
>
>
>To unsubscribe from this group, send an email to:
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3818. KD7PIT-1 on findu at 2870 feet

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-24 17:54:24 UTC
From: n1ltv
Topic: 3818 Message: 3818

Maybe Jason has hiked in to the landing site.

Findu has him at 2870 within .1 mile of last
payload position.

Plotting the balloon's track
I noticed that the payload seems to have changed
direction at the very last minute and blown downslope
to the southeast a little, so this altitude above
would not be inconsistent with the reported higher
last altitude.

Hank

3819. Re: KD7PIT-1 on findu at 2870 feet

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-24 18:19:53 UTC
From: n1ltv
Topic: 3818 Message: 3819

> Maybe Jason has hiked in to the landing site.

Sorry, that's Justin.

3820. TV 02E track plotted

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-24 18:43:52 UTC
From: Hank Riley
Topic: 3820 Message: 3820
Attachments: 1 described; binary payloads are missing from this source WARC

Red for ascending, blue descending.

_____
Chat with friends online, try MSN Messenger: http://messenger.msn.com

3821. Re: [tvnsp] TV 02E track plotted

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-24 19:11:39 UTC
From: Tim Rynearson
Topic: 3820 Message: 3821
Attachments: 2 described; binary payloads are missing from this source WARC

This would be good for the web page....

-------Original Message-------

From:tvnsp@yahoogroups.com
Date: Saturday, August 24, 2002 12:20:23 PM
To:tvnsp@yahoogroups.com
Subject: [tvnsp] TV 02E track plotted

Red for ascending, blue descending.

_____
Chat with friends online, try MSN Messenger: http://messenger.msn.com

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3822. HARIN Status?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-24 19:56:51 UTC
From: Tony Barrett
Topic: 3822 Message: 3822

Hey Steph,

What's the story with HARIN? Findu saw it 54 minutes ago, but it doesn't show up on my map or in my station list and I've had WinAPRS running for hours. Also I noticed that I don't have any traffic from eastern Idaho and Utah. I don't think I'm getting anything that I normally get through HARIN.

I know its got a bent antenna mount, but does that explain the reports we're seeing, or lack there of? Why does findu see it?

Any ideas?

Thanks,

Tony - N7MTZ

3823. Possible sound card source

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-24 19:58:16 UTC
From: Mark Conner
Topic: 3823 Message: 3823

Got this from one of the local swap net e-mail lists. Area code would be 402. Might be worth a call for putting sound cards in your PCs.

Also, you can get 16-bit basic cards cheap at most computer swap meets.

73 de Mark N9XTN

FOR SALE: Lots of computer parts including cases, cards, drives, and CPUs. AMD 950 & 1.1G processors. (462 slot) Sound cards for both PCI and ISA slots. PCI & AGP video cards.
2 x 9G SCSI drives. 1 new CD-ROM drive. Used floppy drive.
3 x new SCSI controller cards. A Cisco 3661 Router for $15k
Call Rick KC0MUU, 681.7141(c) daytime or 292.3280(h) nights

3824. PCs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-24 20:28:44 UTC
From: Gustavo Carpignano
Topic: 3723 Message: 3824

Hello,

If you are looking the cheaper way to decode packet using
old PC I sugest to use a hamcom class interface with pktmom
software. The interface is less than $10. The software run under
DOS or WINDOWS and you connect the interface to serial port
1 or 2.

Regards.

Gustavo, LW2DTZ

Message: 9
Date: Fri, 23 Aug 2002 11:37:18 -0600 (MDT)
From: "John Stone" <k7jps@...>
Subject: Re: PCs

In talking to Russ N7SMA at the SRARC meeting last Wednesday night, he
said that the PCs do not have Sound Cards. The reason I suggested the
idea originally is that it may be a less expensive solution, and it makes
setup easier for school groups to do. Whoever volunteers for mission
control should learn how the software works and it should be tested to see
that we are able to track objects.
John
K7JPS

-- Paul Wrote

I don't know if they have sound cards. I hope we can look them
over after the TV02E launch. I was thinking along the lines you
mentioned. Even if they don't have sound cards, buying sound
cards may be cheaper than buying a TNC.

Paul

3825. TV02E Altitude

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-24 20:58:21 UTC
From: Stephanie Steele
Topic: 3825 Message: 3825

I found a report for 92387 on my home station. Would everyone please check your logs and see if anyone has anything higher?

Thanks to everyone for your kind support today during today's launch. I had a lot of fun and I hope you all did too!

--
Stephanie

****

Friends are quiet angels who lift us to our feet when our wings have trouble remembering how to fly.

****

"They that can give up essential liberty to obtain a little temporary safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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3826. Re: [tvnsp] HARIN Status?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-24 20:59:53 UTC
From: Stephanie Steele
Topic: 3822 Message: 3826

The problem is Cinnabar. It is beaconing but not digipeating anything. I have notified VOI and hope they will get it fixed.

Stephanie

Tony Barrett wrote:
> Hey Steph,
>
> What's the story with HARIN? Findu saw it 54 minutes ago, but it doesn't
> show up on my map or in my station list and I've had WinAPRS running for
> hours. Also I noticed that I don't have any traffic from eastern Idaho and
> Utah. I don't think I'm getting anything that I normally get through HARIN.
>
> I know its got a bent antenna mount, but does that explain the reports
> we're seeing, or lack there of? Why does findu see it?
>
> Any ideas?
>
> Thanks,
>
> Tony - N7MTZ
>
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
>
>

--
Stephanie

****

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****

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3827. Re: [tvnsp] HARIN Status?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-24 21:19:20 UTC
From: Tony Barrett
Topic: 3822 Message: 3827

Great job on your "maiden" voyage!

I've been thinking quite a bit about going to the NWAPRS Summer Gathering.

I'll drop Doug a line to see if someone can re-program the Cinnabar digi remotely.

Tony

At 02:59 PM 8/24/02 -0600, you wrote:
>The problem is Cinnabar. It is beaconing but not digipeating anything. I
>have notified VOI and hope they will get it fixed.
>
>Stephanie
>
>
>Tony Barrett wrote:
> > Hey Steph,
> >
> > What's the story with HARIN? Findu saw it 54 minutes ago, but it doesn't
> > show up on my map or in my station list and I've had WinAPRS running for
> > hours. Also I noticed that I don't have any traffic from eastern Idaho
> and
> > Utah. I don't think I'm getting anything that I normally get through
> HARIN.
> >
> > I know its got a bent antenna mount, but does that explain the reports
> > we're seeing, or lack there of? Why does findu see it?
> >
> > Any ideas?
> >
> > Thanks,
> >
> > Tony - N7MTZ
> >
> >
> >
> > To unsubscribe from this group, send an email to:
> > tvnsp-unsubscribe@egroups.com
> >
> >
> >
> > Your use of Yahoo! Groups is subject to
> <http://docs.yahoo.com/info/terms/>http://docs.yahoo.com/info/terms/
> >
> >

> >
> >
>
>
>--
>Stephanie
>
>*******************************
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><https://www.paypal.com/refer/pal=kc7dba%40arrl.net>https://www.paypal.com/refer/pal=kc7d
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3828. Re: [tvnsp] TV02E Altitude

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-24 21:29:57 UTC
From: Tony Barrett
Topic: 3825 Message: 3828

Steph,

The highest report in my log was 92,326 feet. But then Paul's capsule only got to 91,938. ;-)

I enjoyed watching it all very much. You folks are awesome!

73,

Tony

At 02:58 PM 8/24/02 -0600, you wrote:
>I found a report for 92387 on my home station. Would everyone please
>check your logs and see if anyone has anything higher?
>
>Thanks to everyone for your kind support today during today's launch. I
>had a lot of fun and I hope you all did too!
>
>
>--
>Stephanie
>
>*******************************
>
>Friends are quiet angels who lift us to our feet when our wings have
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3829. RE: [tvnsp] TV02E Altitude

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-24 21:58:10 UTC
From: K7JPS - John
Topic: 3825 Message: 3829

Thanks group for the great morning, it was a wonderful flight. And congratulations to Stephanie on 3-Peat One. Watching the last 7,000 feet of ascent, and the burst was absolutely stunning. Now if winds are favorable during the Idaho Star Party in two weeks, and we could put the balloon in about the same position for the astronomers, then maybe someone can get a photo or video through a telescope of the burst and we would have something for the record books.

John "The younger"
K7JPS
-----Original Message-----
From: Tony Barrett [mailto:tonybarrett@...]
Sent: Saturday, August 24, 2002 15:30
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] TV02E Altitude

Steph,

The highest report in my log was 92,326 feet. But then Paul's capsule only got to 91,938. ;-)

I enjoyed watching it all very much. You folks are awesome!

73,

Tony

At 02:58 PM 8/24/02 -0600, you wrote:
>I found a report for 92387 on my home station. Would everyone please
>check your logs and see if anyone has anything higher?
>
>Thanks to everyone for your kind support today during today's launch. I
>had a lot of fun and I hope you all did too!
>
>
>--
>Stephanie

3830. Website updated for TV02E! Check it out!

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-24 23:01:04 UTC
From: Mike Garske
Topic: 3830 Message: 3830

Everyone,

Just a little something about today's flight! Thanks Hank for the track map!

This will only stay up for a week or so, then be banished to the archives forever!

It was fun!!!

Mike KC7DPD

www.tvnsp.org

3831. Re: [tvnsp] HARIN Status?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-25 01:27:49 UTC
From: Stephanie Steele
Topic: 3822 Message: 3831

Hi Tony,

It's really a super event at a beautiful location. If we had to pay for the facilities it would never happen. Plenty of space in the bunk house (probably sleeps 30 or so), tons of tent space, and of course RV parking , some with hookups. All the 'classes' are held outdoor under a large 'picnic' area and we always seem to have a movie on Saturday night under the stars. Hope you can make it.

Stephanie

Tony Barrett wrote:
> Great job on your "maiden" voyage!
>
> I've been thinking quite a bit about going to the NWAPRS Summer Gathering.
>
> I'll drop Doug a line to see if someone can re-program the Cinnabar digi
> remotely.
>
> Tony
>
>
>
> At 02:59 PM 8/24/02 -0600, you wrote:
>
>>The problem is Cinnabar. It is beaconing but not digipeating anything. I
>>have notified VOI and hope they will get it fixed.
>>
>>Stephanie
>>
>>
>>Tony Barrett wrote:
>>
>>>Hey Steph,
>>>
>>>What's the story with HARIN? Findu saw it 54 minutes ago, but it doesn't
>>>show up on my map or in my station list and I've had WinAPRS running for
>>>hours. Also I noticed that I don't have any traffic from eastern Idaho
>>
>>and
>>
>>>Utah. I don't think I'm getting anything that I normally get through
>>
>>HARIN.
>>
>>>I know its got a bent antenna mount, but does that explain the reports

>>>we're seeing, or lack there of? Why does findu see it?
>>>
>>>Any ideas?
>>>
>>>Thanks,
>>>
>>>Tony - N7MTZ
>>>
>>>
>>>
>>>To unsubscribe from this group, send an email to:
>>>tvnsp-unsubscribe@egroups.com
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>>>
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>>
>>>
>>>
>>>
>>
>>--
>>Stephanie
>>
>>*********************************
>>
>>Friends are quiet angels who lift us to our feet when our wings have
>>trouble remembering how to fly.
>>
>>*********************************
>>
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>>safety deserve neither liberty nor safety."
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3832. Re: [tvnsp] TV02E Altitude

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-25 01:41:27 UTC
From: Bill Herrmann
Topic: 3825 Message: 3832

At 02:58 PM 8/24/02 -0600, you wrote:
>I found a report for 92387 on my home station. Would everyone please
>check your logs and see if anyone has anything higher?

I believe that matches the highest I had recorded in the van. I'll
double-check though.

Bill

3833. RE: [tvnsp] TV02E Altitude

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-25 01:43:54 UTC
From: Bill Herrmann
Topic: 3825 Message: 3833

At 03:58 PM 8/24/02 -0600, you wrote:
>Watching the last 7,000 feet of ascent, and the burst was absolutely stunning.

It sure was. We noted that it appeared we had a rather large chunk of balloon still attached since several pairs of eyes were still tracking it after the burst. The recovered evidence confirms this.

Bill

3834. Re: APRS on older machines

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-25 01:54:33 UTC
From: Tony Barrett
Topic: 3834 Message: 3834

Thanks Gene! I'll pass the word.

Paul,

As for our plan to use soundcards for TNCs in the machines Simplot is donating, take heed of the message below.

73,

Tony - N7MTZ

At 07:06 PM 8/24/02 -0600, you wrote:
>Tony-
>
>Slower processor speeds and Win 95 could be a problem. See below.
>
>73
>
>Gene W4IMT
>
>
>AGWPE Processor Requirements
>It's impossible to give a definite minimum requirement for the processor
>needed to run AGWPE. There are many variables that have an effect on
>operations including RAM, video card, sound card, sound card drivers, etc.
>George SV2AGW, the program author, wrote once: It depends on what you are
>using, but generally the minimum requirements are Pentium 100MHZ and 64MB
>RAM and Win98SE.
>(Versions up to 2002.10 will run on Win 95. Nevertheless, Win95 has been a
>problem for George, and even Microsoft has now stopped supporting it. So,
>if you haven't upgraded, you might want to consider it. Future versions of
>AGWPE may not be compatible.)
>Here's a posting from one user running AGWPE on a 486 66 MHz computer with
>28 MB of RAM:
>"For 1200baud AFSK digital signal processing (DSP) algorithms you do not
>need a lot of CPU power. If you're into real time video processing, yes,
>but in general a 486/66 is plenty for the DSP algorithms used in packet
>radio. Thomas Sailer who developed the algorithms considers a 486/66 as a
>minimum.
>Also, keep in mind that even at a 44KHz sampling rate and at 16 bit
>resolution, you only need 88Kb to store 1 second of audio. The
>applications that we are talking about do not store huge amount of data,
>so a lot of RAM is not necessary for these applications. The only reason
>you might want to consider more RAM (32MB+) is to keep Windows running at
>a reasonable speed and leave more processing resources for user space
>algorithms and to prevent your packet applications from being swapped out.

>The real problem is how Windows handles resources, and how the drivers are
>being accessed by the applications. George mentions this on his web site.
>At this time I have version 2000.15 running on a small 486/66/28Mb/Win95
>with no problem. I can surf the net and start other applications with no
>problem. WinAPRS and AGWPE keeps humming."
>Another user wrote: "I've had barely tolerable results using Win 3.1 /
>486-100 / 8 MB. I have to religiously stay AWAY from highly detailed APRS
>maps. Though poor for mapping, it's actually a perfectly good messaging
>platform."
>And paraphrasing Stephen: "I run AGW very nicely on a mere classic Pentium
>MMX 166. A non-MMX P200 (in the same machine) won't run these apps
>reliably. Ham sound card programs are one of the few real-world
>applications where MMX actually does make a difference. In nearly every
>case, the presence or absence of MMX is the critical processor
>"horsepower" threshold that determines whether a sound card app will run
>or not. By the way, all Pentiums after the original Pentium with MMX (i.e.
>all P-II, P-III, P4) incorporate the MMX instruction set as a matter of
>course."
>
>The sound card features of AGWPE should work with any 16 or 32-bit Sound
>Blaster compatible sound card running under Windows versions 95, 98, ME,
>XP and 2000. (I have not heard of anyone being able to get AGWPE's sound
>card features to work on NT 4.0.) It will not work with plain old DOS or
>Windows 3.1.
>
>
>

3835. Re: [tvnsp] Re: APRS on older machines

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-25 03:59:11 UTC
From: Bill Herrmann
Topic: 3834 Message: 3835

At 07:54 PM 8/24/02 -0600, you wrote:
>As for our plan to use soundcards for TNCs in the machines Simplot is
>donating, take heed of the message below.

It occurs to me that we just need a "simple" TNC for this application. It doesn't need APRS support or any other bells and whistles. AAMOF we could easily use an older TNC in KISS mode.

Might be a good idea to start watching EBay and other sources for cheap TNCs. (Generally you get a much better price if you aren't in a hurry.)

Bill

3836. RE: [tvnsp] Re: APRS on older machines

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-25 04:06:39 UTC
From: Doug Eubanks
Topic: 3834 Message: 3836

I don't know is mine would be called simple, but I
use an old AEA PK-88 for my APRS.
The only limitation it has is it needs a computer
hooked up to do anything. But the idea
you have it will work just fine.

Doug
-----Original Message-----
From: Bill Herrmann [mailto:bherrman@...]
Sent: Saturday, August 24, 2002 10:59 PM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] Re: APRS on older machines

At 07:54 PM 8/24/02 -0600, you wrote:
>As for our plan to use soundcards for TNCs in
the machines Simplot is
>donating, take heed of the message below.

It occurs to me that we just need a "simple" TNC
for this application. It
doesn't need APRS support or any other bells and
whistles. AAMOF we could
easily use an older TNC in KISS mode.

Might be a good idea to start watching EBay and
other sources for cheap
TNCs. (Generally you get a much better price if
you aren't in a hurry.)

Bill

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3837. TV02E Recovery Photo & Preliminary Results

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-25 04:28:07 UTC
From: Tony Barrett
Topic: 3837 Message: 3837

Great stuff on the website!

I got out my protractor and used a few visual clues to guestimate horizontal. Near as I can tell you are on about a 27 degree slope. Looks like we've got a few mountain goats in our group. Sounds like everyone had a terrific day.

How about adding a caption near the photo listing the names of our heros? Under the hats and sunglasses I'm not sure I can make everyone out. Who was behind the camera?

Thanks,

Tony

3838. Re: Final Flight Prediction TVNSP TV02E 0500 MST 08/24/2002

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-25 16:52:51 UTC
From: Stephanie Steele
Topic: 3803 Message: 3838

Hi Ralph,

Thanks for the kind words. I had a blast and was very lucky to get to hand release the package and then be the first to the capsule (thanks to Jeff, Justin, and Paul who all could have passed me on the steep hill but held back due to their kindness ..... and to a much lesser degree my threats to throw them back down the hill if they passed me ;-) Fat girls don't climb hills but when they do they climb them slowly!)

The landing coordinates were:

44.27163
-117.14834

Stephanie

Ralph Wallio, W0RPK wrote:
> Stephanie,
>
> Thanks for your prediction. I note your payload was recovered. Well Done!
>
> Please forward actual landing coordinates so I can crank out and post the
> distance.
>
> TNX es 73 de Ralph W0RPK
>
>
> ----- Original Message -----
> From: "Stephanie Steele" <stephanie@...>
> To: <tvnsp@yahoogroups.com>; "Ralph Wallio, W0RPK" <wallio@...>
> Sent: Saturday, August 24, 2002 6:14 AM
> Subject: Final Flight Prediction TVNSP TV02E 0500 MST 08/24/2002
>
>
>
>>Hi Ralph,
>>
>>Here is my final prediction for TVNSP flight TV02E for your consideration.
>>
>>Launch 44.03/-117.41
>>Landing 44.1675/-116.9178
>>
>>
>>--
>>Stephanie
>

>
>
>
>

--
Stephanie

****

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trouble remembering how to fly.

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

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3839. Basic Stamp Accessories

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-25 19:28:02 UTC
From: Stephanie Steele
Topic: 3839 Message: 3839

Are these something we could make use of in the program?

-------- Original Message --------
Subject: 30% OFF Selected RF Modules
Date: Tue, 20 Aug 2002 16:23:02 -0700
From: marketing@... (Erik Wood Parallax, Inc.)
To: kc7dba@...

<http://www.parallaxinc.com/rf>
<http://www.parallaxinc.com/html_files/products/BS_Accessories/boe_bot_speech.asp>Click on this image to be redirected to the ordering page.

for text only click here <http://www.parallaxinc.com/rf>

to unsubscribe click here <http://www.parallaxinc.com/removemail.asp>

--
Stephanie

****

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Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

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3840. [Fwd: Re: Final Flight Prediction TVNSP TV02E 0500 MST 08/24/2002]

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-25 23:40:41 UTC
From: Stephanie Steele
Topic: 3840 Message: 3840

Oh well, we tried! Better luck next time.

Stephanie

-------- Original Message --------
Subject: Re: Final Flight Prediction TVNSP TV02E 0500 MST 08/24/2002
Date: Sun, 25 Aug 2002 16:34:06 -0500
From: "Ralph Wallio, W0RPK" <wallio@...>
To: <stephanie@...>
References: <3D676A8A.60707@...>
<013d01c24bdb$d73fd140$42de51d8@j2l8z3> <3D690B63.7020709@...>

Stephanie,

Your prediction result is posted:

14. Stephanie Steele, KC7DBA TVNSP TV?2E 24Aug02 92kNB 13.51 Miles

TNX es 73 de Ralph Wallio, W0RPK
wallio@...
http://members.crosspaths.net/wallio
Old men don't climb very fast but we recall when we did

--
Stephanie

****

Friends are quiet angels who lift us to our feet when our wings have
trouble remembering how to fly.

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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it and highly recommend it as a safe and reliable means to conduct
business. By using the link below we both will receive a $5 sign up bonus.

https://www.paypal.com/refer/pal=kc7dba%40arrl.net

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3841. Source for Balloons

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-25 23:47:29 UTC
From: Stephanie Steele
Topic: 3841 Message: 3841
Attachments: 1 described; binary payloads are missing from this source WARC

Has anyone checked with this place in the past? Are they selling
something different or just a reseller for the ones we know of?

Stephanie

-------- Original Message --------
Subject: Scientific Sales
Date: Sat, 10 Aug 2002 00:59:11 -0600
From: "Sgt. Stephanie Steele" <ssteele@...>
Reply-To: ssteele@..., stephanie@...
Organization: Fruitland Police Department
CC: recipient list not shown: ;

http://www.scientificsales.com/balloons.htm

--
Stephanie

****

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trouble remembering how to fly.

****

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safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
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President Thomas Jefferson.
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3842. Re: Source for Balloons

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-26 01:02:11 UTC
From: n1ltv
Topic: 3841 Message: 3842

> Has anyone checked with this place in the past? Are they selling
> something different or just a reseller for the ones we know of?
>
> Stephanie

Eastern Scientific sells Kaymont distributed Totex balloons.

Maybe it would be worth seeing if orders through Eastern
would be better handled than the way Kaymont has handled
them lately.

I received email from yet another ballooner that he was
getting poor treatment from Kaymont.

I remember getting an email (sales oriented) from an
Eastern representative and he did not respond to even one
email I sent back to him.

Balloon supply doesn't seem to be a high hospitality
business.

Hank

3843. Re: [tvnsp] Source for Balloons

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-26 01:40:45 UTC
From: Mark Conner
Topic: 3841 Message: 3843

Scientific SalesI just dropped a note to the "sales" e-mail address at the site asking for quantity 1 pricing on all their sounding balloons - will report to the list what I find.

73 de Mark N9XTN

Has anyone checked with this place in the past? Are they selling
something different or just a reseller for the ones we know of?

Stephanie

3844. Re: [tvnsp] Re: Source for Balloons

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-26 02:01:05 UTC
From: Zack Clobes
Topic: 3841 Message: 3844

I didn't have too bad of luck from Kaysam the other day. The biggest problem was that he pretty well insisted on having a fax machine and faxing an order request back and forth with a signature. Although, I received the balloons the next business day after faxing my signature, so apparently they were shipped without it... go figure.

I dealt with a guy named Ed. He got $48 for a 1200 and ?$32? for the 600's. He wouldn't meet Kaymont's prices on the 600's but the 1200's were almost $2 under Kaymont. I didn't get the lady who I originally talked to's name, but she had a slight accent - I've kind of forgotten now, but I think it sounded like an afro-american accent. She was willing to meet Kaymont's prices...

Zack Clobes, W0ZC
Project: Traveler

----- Original Message -----
From: "n1ltv" <n1ltv@...>
To: <tvnsp@yahoogroups.com>
Sent: Sunday, August 25, 2002 8:02 PM
Subject: [tvnsp] Re: Source for Balloons

> > Has anyone checked with this place in the past? Are they selling
> > something different or just a reseller for the ones we know of?
> >
> > Stephanie
>
> Eastern Scientific sells Kaymont distributed Totex balloons.
>
> Maybe it would be worth seeing if orders through Eastern
> would be better handled than the way Kaymont has handled
> them lately.
>
> I received email from yet another ballooner that he was
> getting poor treatment from Kaymont.
>
> I remember getting an email (sales oriented) from an
> Eastern representative and he did not respond to even one
> email I sent back to him.
>
> Balloon supply doesn't seem to be a high hospitality
> business.
>
> Hank
>
>
>

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> tvnsp-unsubscribe@egroups.com
>
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>
>

3845. Re: [tvnsp] Re: Source for Balloons

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-26 04:46:11 UTC
From: Bill Herrmann
Topic: 3841 Message: 3845

At 01:02 AM 8/26/02 +0000, Hank wrote:
>Balloon supply doesn't seem to be a high hospitality business.

Unfortunately, it's probably like many other specialty businesses... There aren't many other games in town and the vendor knows it.

Worse yet they have big customers that buy large quantities and small customers that buy really small quantities with probably not much middle ground.

Bill

3846. Re: [tvnsp] TV02E Altitude

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-26 13:44:28 UTC
From: John Knapp
Topic: 3825 Message: 3846

I know I saw a report of 92,000 ft Saturday Morning.

JohnK
KD7HGS
--- Bill Herrmann <bherrman@...> wrote:
> At 02:58 PM 8/24/02 -0600, you wrote:
> >I found a report for 92387 on my home station.
> Would everyone please
> >check your logs and see if anyone has anything
> higher?
>
> I believe that matches the highest I had recorded in
> the van. I'll
> double-check though.
>
> Bill
>
>
>

_____
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http://autos.yahoo.com

3847. Re: [tvnsp] TV02E Altitude

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-26 15:05:13 UTC
From: Tim Rynearson
Topic: 3825 Message: 3847
Attachments: 2 described; binary payloads are missing from this source WARC

Maximum altitude heard from here for KD4STH-11 was 91,940 feet and for
KC7DBA-11 was 92,372 feet.

Tim, N7UBO

-------Original Message-------

From:tvnsp@yahoogroups.com
Date: Monday, August 26, 2002 07:20:31 AM
To:tvnsp@yahoogroups.com
Subject: Re: [tvnsp] TV02E Altitude

I know I saw a report of 92,000 ft Saturday Morning.

JohnK
KD7HGS
--- Bill Herrmann <bherrman@...> wrote:
> At 02:58 PM 8/24/02 -0600, you wrote:
> >I found a report for 92387 on my home station.
> Would everyone please
> >check your logs and see if anyone has anything
> higher?
>
> I believe that matches the highest I had recorded in
> the van. I'll
> double-check though.
>
> Bill
>
>
>

_____
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.

3848. Re: [tvnsp] TV02E Altitude

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-26 17:05:36 UTC
From: Stephanie Steele
Topic: 3825 Message: 3848

Hi Tim,

Can you verify 91,372 or did you mean 91,327?

Stephanie

Tim Rynearson wrote:
>
> Maximum altitude heard from here for KD4STH-11 was 91,940 feet and for
> KC7DBA-11 was 92,372 feet.
>
> Tim, N7UBO
>
> /-------Original Message-------/
>
> /*From:*/tvnsp@yahoogroups.com <mailto:tvnsp@yahoogroups.com>
> /*Date:*/ Monday, August 26, 2002 07:20:31 AM
> /*To:*/tvnsp@yahoogroups.com <mailto:tvnsp@yahoogroups.com>
> /*Subject:*/ Re: [tvnsp] TV02E Altitude
>
> I know I saw a report of 92,000 ft Saturday Morning.
>
> JohnK
> KD7HGS
> --- Bill Herrmann <bherrman@... <mailto:lt;bherrman@...>>
> wrote:
> > At 02:58 PM 8/24/02 -0600, you wrote:
> > >I found a report for 92387 on my home station.
> > Would everyone please
> > >check your logs and see if anyone has anything
> > higher?
> >
> > I believe that matches the highest I had recorded in
> > the van. I'll
> > double-check though.
> >
> > Bill
> >
> >
> >
>
>
> _____
> Do You Yahoo!?
> Yahoo! Autos - Get free new car price quotes
> http://autos.yahoo.com <http://autos.yahoo.com/>

>
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> To unsubscribe from this group, send an email to:
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> _____
> <http://www.incredimail.com/redir.asp?ad_id=309&lang=9> /IncrediMail/ -
> *Email has finally evolved* - *_Click Here_*
> <http://www.incredimail.com/redir.asp?ad_id=309&lang=9>
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688/R=0/*http://adfarm.mediaplex.com/ad/ck/990-1736-1039-334
> >
>
>
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>
>
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--
Stephanie

****

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trouble remembering how to fly.

****

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Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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3849. Re: [tvnsp] TV02E Altitude

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-26 17:35:02 UTC
From: Tim Rynearson
Topic: 3825 Message: 3849
Attachments: 3 described; binary payloads are missing from this source WARC

Ope, you're right....92,327.....and it traveled a total of 42.4 miles,
with a distance start to finish of 21.3 miles.....here's the file

Tim

-------Original Message-------

From:tvnsp@yahoogroups.com
Date: Monday, August 26, 2002 10:41:51 AM
To:tvnsp@yahoogroups.com
Subject: Re: [tvnsp] TV02E Altitude

Hi Tim,

Can you verify 91,372 or did you mean 91,327?

Stephanie

Tim Rynearson wrote:
>
> Maximum altitude heard from here for KD4STH-11 was 91,940 feet and for
> KC7DBA-11 was 92,372 feet.
>
> Tim, N7UBO
>
> /-------Original Message-------/
>
> /*From:*/tvnsp@yahoogroups.com <mailto:tvnsp@yahoogroups.com>
> /*Date:*/ Monday, August 26, 2002 07:20:31 AM
> /*To:*/tvnsp@yahoogroups.com <mailto:tvnsp@yahoogroups.com>
> /*Subject:*/ Re: [tvnsp] TV02E Altitude
>
> I know I saw a report of 92,000 ft Saturday Morning.
>
> JohnK
> KD7HGS
> --- Bill Herrmann <bherrman@... <mailto:lt;bherrman@spro
net>>
> wrote:
> > At 02:58 PM 8/24/02 -0600, you wrote:
> > >I found a report for 92387 on my home station.
> > Would everyone please
> > >check your logs and see if anyone has anything
> > higher?
> >
> > I believe that matches the highest I had recorded in

> > the van. I'll
> > double-check though.
> >
> > Bill
> >
> >
> >
>
>
> _____
> Do You Yahoo!?
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>
>
> To unsubscribe from this group, send an email to:
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> _____
> <http://www.incredimail.com/redir.asp?ad_id=309&lang=9> /IncrediMail/ -
> *Email has finally evolved* - *_Click Here_*
> <http://www.incredimail.com/redir.asp?ad_id=309&lang=9>
> *Yahoo! Groups Sponsor*
> ADVERTISEMENT
> <http://rd.yahoo.com/M=228862.2128520.3581629
2204139/D=egroupweb/S=1705083281:HM/A=1182688/R=0/*http://adfarm.mediaplex
com/ad/ck/990-1736-1039-334
> >
>
>
> To unsubscribe from this group, send an email to:
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>
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> <http://docs.yahoo.com/info/terms/>.

--
Stephanie

****

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****

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Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
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President Thomas Jefferson.
1743-1826

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.

3850. Re: [tvnsp] TV02E Altitude

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-26 19:45:17 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3825 Message: 3850

My flight log shows a max altitude of 92,240 feet.

Paul

> Steph,
>
> The highest report in my log was 92,326 feet. But then Paul's capsule only
> got to 91,938. ;-)
>
> I enjoyed watching it all very much. You folks are awesome!
>
> 73,
>
> Tony
>
>
> At 02:58 PM 8/24/02 -0600, you wrote:
> >I found a report for 92387 on my home station. Would everyone please
> >check your logs and see if anyone has anything higher?
> >
> >Thanks to everyone for your kind support today during today's launch. I
> >had a lot of fun and I hope you all did too!
> >
> >
> >--
> >Stephanie
> >
> >*******************************
> >
> >Friends are quiet angels who lift us to our feet when our wings have
> >trouble remembering how to fly.
> >
> >*******************************
> >
> >"They that can give up essential liberty to obtain a little temporary
> >safety deserve neither liberty nor safety."
> >
> >Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.
> >
> >"Those who desire to give up freedom in order to gain security will not
> >have, nor do they deserve, either one."
> >
> >President Thomas Jefferson.
> > 1743-1826
> >

> >*********************************
> >
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3851. RE: [tvnsp] Re: APRS on older machines

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-26 19:49:59 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3834 Message: 3851

Having one PC display raw data would be nice and could use a
simple set up. But we also need a PC to display mapping software.

Paul

> I don't know is mine would be called simple, but I
> use an old AEA PK-88 for my APRS.
> The only limitation it has is it needs a computer
> hooked up to do anything. But the idea
> you have it will work just fine.
>
> Doug
> -----Original Message-----
> From: Bill Herrmann [mailto:bherrman@...]
> Sent: Saturday, August 24, 2002 10:59 PM
> To: tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] Re: APRS on older machines
>
>
> At 07:54 PM 8/24/02 -0600, you wrote:
> >As for our plan to use soundcards for TNCs in
> the machines Simplot is
> >donating, take heed of the message below.
>
> It occurs to me that we just need a "simple" TNC
> for this application. It
> doesn't need APRS support or any other bells and
> whistles. AAMOF we could
> easily use an older TNC in KISS mode.
>
> Might be a good idea to start watching EBay and
> other sources for cheap
> TNCs. (Generally you get a much better price if
> you aren't in a hurry.)
>
> Bill
>
>
>
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3852. Re: [tvnsp] Basic Stamp Accessories

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-26 19:52:29 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3839 Message: 3852

We could use them for capsule to capsule comms betweent he
flight computers inside each one.

Paul

> Are these something we could make use of in the program?
>
>
>
> -------- Original Message --------
> Subject: 30% OFF Selected RF Modules
> Date: Tue, 20 Aug 2002 16:23:02 -0700
> From: marketing@... (Erik Wood Parallax, Inc.)
> To: kc7dba@...
>
>
>
> <http://www.parallaxinc.com/rf>
> <http://www.parallaxinc.com/html_files/products/BS_Accessories/boe_bot_s
> peech.asp>Click on this image to be redirected to the ordering page.
>
> for text only click here <http://www.parallaxinc.com/rf>
>
> to unsubscribe click here <http://www.parallaxinc.com/removemail.asp>
>
>
>
> --
> Stephanie
>
> ******************************
>
> Friends are quiet angels who lift us to our feet when our wings have
> trouble remembering how to fly.
>
> ******************************
>
> "They that can give up essential liberty to obtain a little temporary
> safety deserve neither liberty nor safety."
>
> Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.
>
> "Those who desire to give up freedom in order to gain security will not
> have, nor do they deserve, either one."
>

> President Thomas Jefferson.
> 1743-1826
>
> ******************************
>
> Send and receive money safely over the Internet by using PayPal. I use
> it and highly recommend it as a safe and reliable means to conduct
> business. By using the link below we both will receive a $5 sign up bonus.
>
> https://www.paypal.com/refer/pal=kc7dba%40arrl.net
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> ******************************
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>

3853. Initial Report

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-26 20:29:50 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3853 Message: 3853

Several items to report on so far. I am in the process of putting the rest of the logs together.

Stephanie's capsule interior is very sensitive to external air temperatures, while her battery comparent is more protected. The interior temp dropped below 0 degrees F.

Three layers of MLI is about 6 degrees warmer than one layer. But a bare blue cube stays just a bit warmer than one layer. Next experiment will compare a combination of MLI and dark jackets. The MLI becomes effective once the altitude passes 30,000 feet. It reaches it's max effectiveness at altitude above 52,000 feet.

The camera control cable was connected to the flight computer with the correction orientation, but the cable was made backwards. The camera would never recieve commands to operate. The second problem is that the routine that determines when to take pictures used a variable that was defined too small. Both of these have been corrected and the cable tested.

I have wasps at my apartment and would like to send them up on the next flight

Paul

3854. Balloon Pilot Wings

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-26 20:33:49 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3853 Message: 3854

John, don't forget, I need to know where you purchased your balloon pilot wings. I'd like to buy some and give them to launch crews after a specified number of flights.

Paul

3855. (Fwd) Fwd: NASA SCIENTIFIC BALLOON SETS WORLD RECORD

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-26 22:58:51 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3855 Message: 3855

------- Forwarded Message Follows -------
Date sent: Mon, 26 Aug 2002 14:55:12 -0700
To: VERHAP@..., jdasch@..., ddetroye@...,
wteague@..., wersing@..., jeant@...
From: David Atkinson <atkinson@...>
Subject: Fwd: NASA SCIENTIFIC BALLOON SETS WORLD RECORD

You may have seen this, but if not - thought you might be interested.

Dave

NASA SCIENTIFIC BALLOON SETS WORLD RECORD

> Slowly rising from the Northwest region of Manitoba,
>Canada, near a small gold-mining town called Lynn Lake, a
>massive NASA balloon began a journey August 25 that took it
>to the fringes of space. Silently drifting in the rarefied
>upper edges of our atmosphere, the scientific balloon reached
>a peak altitude of 161,000 feet (49 kilometers), and with a
>volume of 60 million cubic feet (1.7 million cubic meters),
>was the largest balloon ever launched successfully.
>
>The balloon carried a solar and heliosphere experiment called
>Low Energy Electrons (LEE), weighing 1,500 pounds (690 kg),
>that was provided by Dr. Paul Evenson of the University of
>Delaware, Newark.
>
>"Aside from our excitement and the fact that this balloon
>established a new record for balloon volume (50 percent
>greater than NASA's standard balloon designs), this flight
>should help establish a new platform for science such as
>ultra-violet and x-ray astronomy," said Steve Smith, chief of
>NASA's Balloon Program Office at Goddard Space Flight
>Center's Wallops Flight Facility, Wallops Island, Va.
>
>NASA's scientific balloons are constructed of very thin
>polyethylene material about the same thickness as an ordinary
>sandwich wrap. NASA's largest standard balloon is
>approximately 40 million cubic feet (1.13 million cubic
>meters) and reaches an altitude of approximately 130,000 feet
>(39.6 kilometers). The system includes a balloon, a parachute
>and a payload that carries instruments necessary to conduct
>scientific experiments.
>
>"In addition to the great science Dr. Evenson is doing, this
>is a demonstration that balloons can reach extreme altitudes

>with relatively heavy payloads," said Danny Ball, Site
>Manager, National Scientific Balloon Facility, Palestine,
>Texas. "We hope this will lead to new interest from other
>science disciplines needing very high altitudes."
>
>This flight was the sixth in a series of balloon observations
>of cosmic electrons that have used the LEE and the Anti-
>Electron Sub Orbital Payload (AESOP) instrument provided by
>Dr. John Clem, also from the University of Delaware's Bartol
>Research Institute.
>
>Both instruments flew from Lynn Lake, on Aug. 13, 2002, on a
>40 million cubic foot balloon that reached an altitude of
>134,000 feet (41 kilometers). The total flight time was 23
>hours, 14 minutes.
>
>Once the experiment was complete, a radio command was sent
>from a ground station to separate the experiment from the
>balloon. The command created a tear in the balloon material
>permitting it to fall to Earth. A parachute floated the
>experiment payload back to the ground. Science team members
>were taken to the landing site for recovery of data tapes
>within two hours of impact.
>
>The LEE instrument was refurbished and launched again on Aug.
>25, 2002, on the 60 million cubic foot balloon.
>
>The LEE and AESOP instruments were flown in 1997, 1998, 1999
>and 2000. Roughly 120 hours of data have been collected
>during the previous flights. All of the launches have been
>from Lynn Lake, which is 650 miles (1,000 kilometers) from
>Manitoba. Although originally funded by NASA, the National
>Science Foundation (NSF) currently funds research activities
>using the AESOP experiment. The LEE instrument was originally
>developed and flown by NSF and later flown by NASA.
>
>The Wallops Flight Facility manages NASA's Scientific Balloon
>Program for the Office of Space Science, Washington. Launch
>operations are conducted by the National Scientific Balloon
>Facility, which is managed for NASA by the Physical Sciences
>Laboratory of New Mexico State University, Las Cruces. Raven
>Industries, Inc., Sioux Falls, S.D., designs and manufactures
>NASA's scientific balloons. The balloon for this launch was
>built in their plant in Sulphur Springs, Texas.
>
>For more information on NASA's Scientific Balloon Program
>visit:
>http://www.wff.nasa.gov/pages/scientificballoons.html
>
> -end-

>
> * * *
>
>NASA press releases and other information are available automatically
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_____
Dr. David H. Atkinson, Professor
Associate Director, Idaho NASA Space Grant & NASA EPSCoR
Department of Electrical and Computer Engineering
University of Idaho, PO Box 441023
Moscow, ID 83844-1023
USA

(208) 885-6870
(208) 885-7579 (fax)
atkinson@...
dhatk@...

3856. Re: [tvnsp] Initial Report

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-26 22:31:29 UTC
From: Stephanie Steele
Topic: 3853 Message: 3856

Hi Paul,

verhap@... wrote:

> Stephanie's capsule interior is very sensitive to external air
> temperatures, while her battery comparent is more protected. The
> interior temp dropped below 0 degrees F.

Can I get the external minimum ambient temperature from you before we delare my capsule interior as being "very sensitive to external air temperature". My capsule, which reached a minimum cabin temperature of -2.2F, has three layers of MLI with scrim which was the same your +6F test block so based upon the results of your experiment you could extrapolate that the external temperature would have been at -8.2F. If the true external ambient temperature was colder than -8.2F (as I suspect it was) then I need that figure to see how much more efficient my actual capsule was then was your experiment block. My capsule interior is no less protected than any other TVNSP capsule interior has ever been and I believe it may be even somewhat more resistant to thermal loss. Let me have the numbers when you can.

It should be noted that my battery compartment had a minimum temperature during the flight of 21.2F which is a net difference of +23.4F over the cabin temperature and fully warm enough to support any type of battery pack. I intend to repeat the experiment to validate the results before declaring any victory over the evil cold gremlins aloft.

>
> Three layers of MLI is about 6 degrees warmer than one layer. But
> a bare blue cube stays just a bit warmer than one layer. Next
> experiment will compare a combination of MLI and dark jackets.
> The MLI becomes effective once the altitude passes 30,000 feet. It
> reaches it's max effectiveness at altitude above 52,000 feet.

This is good data and supports my contention that the MLI/Scrim construction technique has merit for gaining all possible thermal protection.

>
> The camera control cable was connected to the flight computer
> with the correction orientation, but the cable was made backwards.
> The camera would never recieve commands to operate. The
> second problem is that the routine that determines when to take
> pictures used a variable that was defined too small. Both of these
> have been corrected and the cable tested.

Did you have the rabbits make the cables again? You've really got to start checking their work prior to flight. They must have written the flight code too! Silly rabbits! ;-)

Also, I have an exorcist scheduled to go to your apartment and expel the evil voltage eating gremlins so you don't have to worry about installing your batteries prior to launch time. ROTFLMAO

>
> I have wasps at my apartment and would like to send them up on
> the next flight

By the way, the rabbits emailed me and said they were having a few of their friends over for a visit. They told me that their visit would probably 'bug' you.

Te he!!

Stephanie

--
Stephanie

****

Friends are quiet angels who lift us to our feet when our wings have trouble remembering how to fly.

****

"They that can give up essential liberty to obtain a little temporary safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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3857. Re: [tvnsp] TV02E Altitude

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-26 22:32:39 UTC
From: Stephanie Steele
Topic: 3825 Message: 3857

My capsule must have passed yours right there at maximum altitude as
mine reached 92,327 ft. ;-)

verhap@... wrote:
> My flight log shows a max altitude of 92,240 feet.
>
> Paul
>
>
>>Steph,
>>
>>The highest report in my log was 92,326 feet. But then Paul's capsule only
>>got to 91,938. ;-)
>>
>>I enjoyed watching it all very much. You folks are awesome!
>>
>>73,
>>
>>Tony
>>
>>
>>At 02:58 PM 8/24/02 -0600, you wrote:
>>
>>>I found a report for 92387 on my home station. Would everyone please
>>>check your logs and see if anyone has anything higher?
>>>
>>>Thanks to everyone for your kind support today during today's launch. I
>>>had a lot of fun and I hope you all did too!
>>>
>>>
>>>--
>>>Stephanie
>>>
>>>*********************************
>>>
>>>Friends are quiet angels who lift us to our feet when our wings have
>>>trouble remembering how to fly.
>>>
>>>*********************************
>>>
>>>"They that can give up essential liberty to obtain a little temporary
>>>safety deserve neither liberty nor safety."
>>>
>>>Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.
>>>

>>>"Those who desire to give up freedom in order to gain security will not
>>>have, nor do they deserve, either one."
>>>
>>>President Thomas Jefferson.
>>> 1743-1826
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>>>**********
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--
Stephanie

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3858. Re: [tvnsp] Initial Report

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-27 14:59:15 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3853 Message: 3858

Let me rephrase that, the interior of the capsule is more sensitive
to ambient air temperatures that is the battery compartment.

I have printed six copies of all the graphs I generated. I'll hand
them out when I see TVNSP crew.

Stephanie, your lowest temperatures were, 20 deg for the battery
compartment and -3 deg for the capsule. At balloon burst your
battery compartment temp was 28 deg and the capsule temp was
10 deg. The coldest temp for the capsule was during the descent.
The battery compartment's lowest temp was at landing.

My coldest temp was 11 deg and that was during the descent.
Prior to balloon burst my lowest temp was 48 deg.

I think the biggest difference is that my capsule is dark in color.
However, I'd like to test the effect of styro peanuts on temperature
in a future flight.

Paul

> Can I get the external minimum ambient temperature from you before we
> delare my capsule interior as being "very sensitive to external air
> temperature". My capsule, which reached a minimum cabin temperature of
> -2.2F, has three layers of MLI with scrim which was the same your +6F
> test block so based upon the results of your experiment you could
> extrapolate that the external temperature would have been at -8.2F. If
> the true external ambient temperature was colder than -8.2F (as I
> suspect it was) then I need that figure to see how much more efficient
> my actual capsule was then was your experiment block. My capsule
> interior is no less protected than any other TVNSP capsule interior has
> ever been and I believe it may be even somewhat more resistant to
> thermal loss. Let me have the numbers when you can.
>
> It should be noted that my battery compartment had a minimum temperature
> during the flight of 21.2F which is a net difference of +23.4F over
> the cabin temperature and fully warm enough to support any type of
> battery pack. I intend to repeat the experiment to validate the results
> before declaring any victory over the evil cold gremlins aloft.

3859. Pick Up PCs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-27 15:06:27 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3859 Message: 3859

We need to pick up a few of the PCs for testing. When would someone be free to help out with that? We'll meet at Simplot.

From what I'm hearing, we're better off adding a TNC to the PCs, rather than trying to use any sound cards. Please keep your eyes open for some inexpensive TNCs. We could probably use two of them.

We'll also need to pay for another copy of APRS+.

Paul

3860. Re: [tvnsp] Initial Report

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-27 14:11:40 UTC
From: Stephanie Steele
Topic: 3853 Message: 3860

Hi Paul,

I also suspect there is a thermal gain from your dark capsule color. With mine be 1/2 light and 1/2 dark I suspect there is little or no thermal gain from the cover color.

Do I understand that the coldest external temperature you recorded was +11F ? Do I also understand that your external ambient air temperature at peak altitued was +48F ? Isn't that unusually warm for 92K feet?

If I get similar temperature results on the next flight then I will fill the capsule with peanuts on it's third flight to see what difference there might be. Other than simply increasing thermal mass I can not see any possible insulating benefit from the peanuts. I also can not see styrofoam peanuts performing as any type of measurable heat sink, but it would be interesting to see. For the experiment to be meaningful it would require that we get repeatable results with the current configuration prior to trying the peanuts.

Stephanie

verhap@... wrote:
> Let me rephrase that, the interior of the capsule is more sensitive
> to ambient air temperatures that is the battery compartment.
>
> I have printed six copies of all the graphs I generated. I'll hand
> them out when I see TVNSP crew.
>
> Stephanie, your lowest temperatures were, 20 deg for the battery
> compartment and -3 deg for the capsule. At balloon burst your
> battery compartment temp was 28 deg and the capsule temp was
> 10 deg. The coldest temp for the capsule was during the descent.
> The battery compartment's lowest temp was at landing.
>
> My coldest temp was 11 deg and that was during the descent.
> Prior to balloon burst my lowest temp was 48 deg.
>
> I think the biggest difference is that my capsule is dark in color.
> However, I'd like to test the effect of styro peanuts on temperature
> in a future flight.
>
> Paul
>
>
>
>>Can I get the external minimum ambient temperature from you before we

>>delare my capsule interior as being "very sensitive to external air
>>temperature". My capsule, which reached a minimum cabin temperature of
>>-2.2F, has three layers of MLI with scrim which was the same your +6F
>>test block so based upon the results of your experiment you could
>>extrapolate that the external temperature would have been at -8.2F. If
>>the true external ambient temperature was colder than -8.2F (as I
>>suspect it was) then I need that figure to see how much more efficient
>>my actual capsule was then was your experiment block. My capsule
>>interior is no less protected than any other TVNSP capsule interior has
>>ever been and I believe it may be even somewhat more resistant to
>>thermal loss. Let me have the numbers when you can.
>>
>>It should be noted that my battery compartment had a minimum temperature
>> during the flight of 21.2F which is a net difference of +23.4F over
>>the cabin temperature and fully warm enough to support any type of
>>battery pack. I intend to repeat the experiment to validate the results
>>before declaring any victory over the evil cold gremlins aloft.
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Stephanie

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****

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Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

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1743-1826

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3861. Re: Pick Up PCs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-27 14:23:18 UTC
From: kd7pit
Topic: 3859 Message: 3861

> We need to pick up a few of the PCs for testing. When would
> someone be free to help out with that? We'll meet at Simplot.

When & where?

-Justin

3862. Re: [tvnsp] Initial Report

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-27 15:37:29 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3853 Message: 3862

> Do I understand that the coldest external temperature you recorded was
> +11F ? Do I also understand that your external ambient air temperature
> at peak altitued was +48F ? Isn't that unusually warm for 92K feet?

My external air temperature was flaky on this flight. Past flights
indicate the ambient air temp dropped to -60 deg at 50,000 feet and
began warming back up. At balloon burst the outside air temp may
have been around 20 deg.

Here's a table to make my notes more clear.

KD4STH-11 KC7DBA-11 KC7DBA-11 Air
battery capsule
Launch 70 60 55 65?
50,000 ft 57 35 5 -60
90,000 ft 45 28 9 20?
Descent 25 21 -2 ?

I'm reading these off a graph, so their error may be around 1-2
degrees.

Paul

>
> If I get similar temperature results on the next flight then I will fill
> the capsule with peanuts on it's third flight to see what difference
> there might be. Other than simply increasing thermal mass I can not see
> any possible insulating benefit from the peanuts. I also can not see
> styrofoam peanuts performing as any type of measurable heat sink, but it
> would be interesting to see. For the experiment to be meaningful it
> would require that we get repeatable results with the current
> configuration prior to trying the peanuts.
>
> Stephanie
>
>
> verhap@... wrote:
> > Let me rephrase that, the interior of the capsule is more sensitive
> > to ambient air temperatures that is the battery compartment.
> >
> > I have printed six copies of all the graphs I generated. I'll hand
> > them out when I see TVNSP crew.
> >
> > Stephanie, your lowest temperatures were, 20 deg for the battery
> > compartment and -3 deg for the capsule. At balloon burst your
> > battery compartment temp was 28 deg and the capsule temp was

> > 10 deg. The coldest temp for the capsule was during the descent.
> > The battery compartment's lowest temp was at landing.
> >
> > My coldest temp was 11 deg and that was during the descent.
> > Prior to balloon burst my lowest temp was 48 deg.
> >
> > I think the biggest difference is that my capsule is dark in color.
> > However, I'd like to test the effect of styro peanuts on temperature
> > in a future flight.
> >
> > Paul
> >
> >
> >
> >>Can I get the external minimum ambient temperature from you before we
> >>delare my capsule interior as being "very sensitive to external air
> >>temperature". My capsule, which reached a minimum cabin temperature of
> >>-2.2F, has three layers of MLI with scrim which was the same your +6F
> >>test block so based upon the results of your experiment you could
> >>extrapolate that the external temperature would have been at -8.2F. If
> >>the true external ambient temperature was colder than -8.2F (as I
> >>suspect it was) then I need that figure to see how much more efficient
> >>my actual capsule was then was your experiment block. My capsule
> >>interior is no less protected than any other TVNSP capsule interior has
> >>ever been and I believe it may be even somewhat more resistant to
> >>thermal loss. Let me have the numbers when you can.
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> >>It should be noted that my battery compartment had a minimum temperature
> >> during the flight of 21.2F which is a net difference of +23.4F over
> >>the cabin temperature and fully warm enough to support any type of
> >>battery pack. I intend to repeat the experiment to validate the results
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> Stephanie
>
> ********************************
>
> Friends are quiet angels who lift us to our feet when our wings have
> trouble remembering how to fly.
>
> ********************************
>
> "They that can give up essential liberty to obtain a little temporary
> safety deserve neither liberty nor safety."
>
> Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.
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> "Those who desire to give up freedom in order to gain security will not
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> President Thomas Jefferson.
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3863. Re: [tvnsp] Re: Pick Up PCs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-27 15:43:08 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3859 Message: 3863

Russ, could we pick up the PCs on a weekday after 5:00 PM?
Would it be better for us on a weekend?

I'll get out of school at 5:00 for at least the next couple of days. I
suppose I don't need to be there to pick them up. Mike, can you
still let us store the PCs at your garage?

By the way, Mike, did you want a sample of that rock we found? I
think it's a pegmatite with quartz and a feldspar, but it scratched
with a steak knife, which should indicate its hardness is less than
5.5 (roughly) and feldspar has a hardness of around 6.0.

Paul

Paul

> > We need to pick up a few of the PCs for testing. When would
> > someone be free to help out with that? We'll meet at Simplot.
>
> When & where?
>
> -Justin
>
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3864. Re: [tvnsp] Initial Report

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-27 14:51:46 UTC
From: Stephanie Steele
Topic: 3853 Message: 3864

Also, what time do you have for burst?

Stephanie Steele wrote:
> Hi Paul,
>
> I also suspect there is a thermal gain from your dark capsule color.
> With mine be 1/2 light and 1/2 dark I suspect there is little or no
> thermal gain from the cover color.
>
> Do I understand that the coldest external temperature you recorded was
> +11F ? Do I also understand that your external ambient air temperature
> at peak altitued was +48F ? Isn't that unusually warm for 92K feet?
>
> If I get similar temperature results on the next flight then I will fill
> the capsule with peanuts on it's third flight to see what difference
> there might be. Other than simply increasing thermal mass I can not see
> any possible insulating benefit from the peanuts. I also can not see
> styrofoam peanuts performing as any type of measurable heat sink, but it
> would be interesting to see. For the experiment to be meaningful it
> would require that we get repeatable results with the current
> configuration prior to trying the peanuts.
>
> Stephanie
>
>
> verhap@... wrote:
>
>>Let me rephrase that, the interior of the capsule is more sensitive
>>to ambient air temperatures that is the battery compartment.
>>
>>I have printed six copies of all the graphs I generated. I'll hand
>>them out when I see TVNSP crew.
>>
>>Stephanie, your lowest temperatures were, 20 deg for the battery
>>compartment and -3 deg for the capsule. At balloon burst your
>>battery compartment temp was 28 deg and the capsule temp was
>>10 deg. The coldest temp for the capsule was during the descent.
>>The battery compartment's lowest temp was at landing.
>>
>>My coldest temp was 11 deg and that was during the descent.
>>Prior to balloon burst my lowest temp was 48 deg.
>>
>>I think the biggest difference is that my capsule is dark in color.
>>However, I'd like to test the effect of styro peanuts on temperature
>>in a future flight.

>>
>>Paul
>>
>>
>>
>>
>>>Can I get the external minimum ambient temperature from you before we
>>>delare my capsule interior as being "very sensitive to external air
>>>temperature". My capsule, which reached a minimum cabin temperature of
>>>-2.2F, has three layers of MLI with scrim which was the same your +6F
>>>test block so based upon the results of your experiment you could
>>>extrapolate that the external temperature would have been at -8.2F. If
>>>the true external ambient temperature was colder than -8.2F (as I
>>>suspect it was) then I need that figure to see how much more efficient
>>>my actual capsule was then was your experiment block. My capsule
>>>interior is no less protected than any other TVNSP capsule interior has
>>>ever been and I believe it may be even somewhat more resistant to
>>>thermal loss. Let me have the numbers when you can.
>>>
>>>It should be noted that my battery compartment had a minimum temperature
>>> during the flight of 21.2F which is a net difference of +23.4F over
>>>the cabin temperature and fully warm enough to support any type of
>>>battery pack. I intend to repeat the experiment to validate the results
>>>before declaring any victory over the evil cold gremlins aloft.
>>
>>
>>
>>
>>
>>To unsubscribe from this group, send an email to:
>>tvnsp-unsubscribe@egroups.com
>>
>>
>>
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>>
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>
>

--
Stephanie

****

Friends are quiet angels who lift us to our feet when our wings have
trouble remembering how to fly.

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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de recta non tolerandum sunt

3865. Re: [tvnsp] Initial Report

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-27 17:21:37 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3853 Message: 3865

At 14:58:25 the altitude was 28,141.3 m
and at 14:58:59 the altitude was 26,866.8 m

So between those two times.

Paul

> Also, what time do you have for burst?
>
>
>
> Stephanie Steele wrote:
> > Hi Paul,
> >
> > I also suspect there is a thermal gain from your dark capsule color.
> > With mine be 1/2 light and 1/2 dark I suspect there is little or no
> > thermal gain from the cover color.
> >
> > Do I understand that the coldest external temperature you recorded was
> > +11F ? Do I also understand that your external ambient air temperature
> > at peak altitued was +48F ? Isn't that unusually warm for 92K feet?
> >
> > If I get similar temperature results on the next flight then I will fill
> > the capsule with peanuts on it's third flight to see what difference
> > there might be. Other than simply increasing thermal mass I can not see
> > any possible insulating benefit from the peanuts. I also can not see
> > styrofoam peanuts performing as any type of measurable heat sink, but it
> > would be interesting to see. For the experiment to be meaningful it
> > would require that we get repeatable results with the current
> > configuration prior to trying the peanuts.
> >
> > Stephanie
> >
> >
> > verhap@... wrote:
> >
> >>Let me rephrase that, the interior of the capsule is more sensitive
> >>to ambient air temperatures that is the battery compartment.
> >>
> >>I have printed six copies of all the graphs I generated. I'll hand
> >>them out when I see TVNSP crew.
> >>
> >>Stephanie, your lowest temperatures were, 20 deg for the battery
> >>compartment and -3 deg for the capsule. At balloon burst your
> >>battery compartment temp was 28 deg and the capsule temp was
> >>10 deg. The coldest temp for the capsule was during the descent.

> >>The battery compartment's lowest temp was at landing.
> >>
> >>My coldest temp was 11 deg and that was during the descent.
> >>Prior to balloon burst my lowest temp was 48 deg.
> >>
> >>I think the biggest difference is that my capsule is dark in color.
> >>However, I'd like to test the effect of styro peanuts on temperature
> >>in a future flight.
> >>
> >>Paul
> >>
> >>
> >>
> >>
> >>>Can I get the external minimum ambient temperature from you before we
> >>>delare my capsule interior as being "very sensitive to external air
> >>>temperature". My capsule, which reached a minimum cabin temperature of
> >>>-2.2F, has three layers of MLI with scrim which was the same your +6F
> >>>test block so based upon the results of your experiment you could
> >>>extrapolate that the external temperature would have been at -8.2F. If
> >>>the true external ambient temperature was colder than -8.2F (as I
> >>>suspect it was) then I need that figure to see how much more efficient
> >>>my actual capsule was then was your experiment block. My capsule
> >>>interior is no less protected than any other TVNSP capsule interior has
> >>>ever been and I believe it may be even somewhat more resistant to
> >>>thermal loss. Let me have the numbers when you can.
> >>>
> >>>It should be noted that my battery compartment had a minimum temperature
> >>> during the flight of 21.2F which is a net difference of +23.4F over
> >>>the cabin temperature and fully warm enough to support any type of
> >>>battery pack. I intend to repeat the experiment to validate the results
> >>>before declaring any victory over the evil cold gremlins aloft.
> >>
> >>
> >>
> >>
> >>
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> >>
> >>
> >>
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>
>
> --
> Stephanie
>
> ******************************
>
> Friends are quiet angels who lift us to our feet when our wings have
> trouble remembering how to fly.
>
> ******************************
>
> "They that can give up essential liberty to obtain a little temporary
> safety deserve neither liberty nor safety."
>
> Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.
>
> "Those who desire to give up freedom in order to gain security will not
> have, nor do they deserve, either one."
>
> President Thomas Jefferson.
> 1743-1826
>
> ******************************
>
> Send and receive money safely over the Internet by using PayPal. I use
> it and highly recommend it as a safe and reliable means to conduct
> business. By using the link below we both will receive a $5 sign up bonus.
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>
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3866. Suicidal in Space?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-27 19:39:53 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3866 Message: 3866

Have you ever wondered what the procedure is if an astronaut
becomes suicidal onboard ISS?

Then check out.....

http://www.spaceref.com/iss/ops/8647.suicide.emerg.pdf

John, can you add this to the checklist? You never know how
someone may feel if we suffer another mission failure!

Paul "I feel better now" Verhage

3867. Re: [tvnsp] Suicidal in Space?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-27 19:10:07 UTC
From: Randy Farley
Topic: 3866 Message: 3867

Now exactly what brought this topic up for discussion?
Sorry,i only carry a snake bite kit.
Do we have to ration your helium doses from now on?
Mike,are you sure that was helium on the last flight?

"Sane,safe and level headed" Randy ;-)

>>> verhap@... 08/27/02 12:39PM >>>
Have you ever wondered what the procedure is if an astronaut
becomes suicidal onboard ISS?

Then check out.....

http://www.spaceref.com/iss/ops/8647.suicide.emerg.pdf

John, can you add this to the checklist? You never know how
someone may feel if we suffer another mission failure!

Paul "I feel better now" Verhage

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3868. Re: [tvnsp] Suicidal in Space?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-27 20:21:24 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3866 Message: 3868

It's just something I came across while reading my space websites.

Paul

> Now exactly what brought this topic up for discussion?
> Sorry,i only carry a snake bite kit.
> Do we have to ration your helium doses from now on?
> Mike,are you sure that was helium on the last flight?
>
> "Sane,safe and level headed" Randy ;-)
>
>
> >>> verhap@... 08/27/02 12:39PM >>>
> Have you ever wondered what the procedure is if an astronaut
> becomes suicidal onboard ISS?
>
> Then check out.....
>
> http://www.spaceref.com/iss/ops/8647.suicide.emerg.pdf
>
> John, can you add this to the checklist? You never know how
> someone may feel if we suffer another mission failure!
>
> Paul "I feel better now" Verhage
>
>
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3869. Re: [tvnsp] Suicidal in Space?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-27 19:26:08 UTC
From: Tim Rynearson
Topic: 3866 Message: 3869
Attachments: 2 described; binary payloads are missing from this source WARC

...or was that your SPACED websites ?

Tim

-------Original Message-------

From:tvnsp@yahoogroups.com
Date: Tuesday, August 27, 2002 12:57:22 PM
To:tvnsp@yahoogroups.com
Subject: Re: [tvnsp] Suicidal in Space?

It's just something I came across while reading my space websites.

Paul

> Now exactly what brought this topic up for discussion?
> Sorry,i only carry a snake bite kit.
> Do we have to ration your helium doses from now on?
> Mike,are you sure that was helium on the last flight?
>
> "Sane,safe and level headed" Randy ;-)
>
>
> >>> verhap@... 08/27/02 12:39PM >>>
> Have you ever wondered what the procedure is if an astronaut
> becomes suicidal onboard ISS?
>
> Then check out.....
>
> http://www.spaceref.com/iss/ops/8647.suicide.emerg.pdf
>
> John, can you add this to the checklist? You never know how
> someone may feel if we suffer another mission failure!
>
> Paul "I feel better now" Verhage
>
>
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3870. Member Photos and Email addresses

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-27 20:26:53 UTC
From: Mike Garske
Topic: 3870 Message: 3870

Just a reminder to all TVNSP group members, if you would like your Email, callsign, name and photo on the website, please contact the Webmaster @ dungone@...
and we'll get them on as soon as possible.

If anyone has any favorite websites you would like to have links made for, please send that information, too!

Or just any suggestions/tips/information you would like to add.

Thank you for helping us create this site by adding your input.

DunGone WebDezign Industries
Mike (KC7DPD)
Andrea (KD7RGF)

3871. Re: [tvnsp] Member Photos and Email addresses

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-28 01:38:11 UTC
From: Mike Garske
Topic: 3870 Message: 3871

Can I get some data for the last flight to post with the pictures? I have almost all information, other than the archives copied to the new site. There are getting to be so many links, I am going to have to do some reorganization of the current links by grouping.

Would appreciate the data! Thanks.

Mike and Andrea
Dungone WebDezign Industries

----- Original Message -----
From: Mike Garske
To: tvnsp@yahoogroups.com
Sent: Tuesday, August 27, 2002 2:26 PM
Subject: [tvnsp] Member Photos and Email addresses

Just a reminder to all TVNSP group members, if you would like your Email, callsign, name and photo on the website, please contact the Webmaster @ dungone@...
and we'll get them on as soon as possible.

If anyone has any favorite websites you would like to have links made for, please send that information, too!

Or just any suggestions/tips/information you would like to add.

Thank you for helping us create this site by adding your input.

DunGone WebDezign Industries
Mike (KC7DPD)
Andrea (KD7RGF)

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3872. Re: [tvnsp] Re: Pick Up PCs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-28 02:51:39 UTC
From: Mike Garske
Topic: 3859 Message: 3872

John the Elder and I were talking about storing them at his house too, although I do have an extra room here at my house as well.....whatever is easier, but the offer is still good!

You can keep the rock we found, I was just curious of what it was made of.....

Mike KC7DPD

----- Original Message -----
From: <verhap@...>
To: <tvnsp@yahoogroups.com>
Sent: Tuesday, August 27, 2002 9:43 AM
Subject: Re: [tvnsp] Re: Pick Up PCs

> Russ, could we pick up the PCs on a weekday after 5:00 PM?
> Would it be better for us on a weekend?
>
> I'll get out of school at 5:00 for at least the next couple of days. I
> suppose I don't need to be there to pick them up. Mike, can you
> still let us store the PCs at your garage?
>
> By the way, Mike, did you want a sample of that rock we found? I
> think it's a pegmatite with quartz and a feldspar, but it scratched
> with a steak knife, which should indicate its hardness is less than
> 5.5 (roughly) and feldspar has a hardness of around 6.0.
>
> Paul
>
> Paul
>
> > > We need to pick up a few of the PCs for testing. When would
> > > someone be free to help out with that? We'll meet at Simplot.
> >
> > When & where?
> >
> > -Justin
> >
> >
> >
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3873. Balloons for TV02F

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-28 14:42:25 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3873 Message: 3873

I finally was able to order a balloon. Kaymont only has an answering machine responding at their phone number, so I placed the order with Kaysam. They charged about $1.50 less for a 1500 gram balloon. UPS delivery is expected to take 2-3 days.

Paul

3874. Re: Balloons for TV02F

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-28 14:54:30 UTC
From: kd7pit
Topic: 3873 Message: 3874

>UPS delivery is expected to take 2-3 days.

I'll be extra careful with it, don't want any holes in it now. :-)

Justin

3875. Re: [tvnsp] Balloon Pilot Wings

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-28 19:41:41 UTC
From: John Stone
Topic: 3853 Message: 3875
Attachments: 2 described; binary payloads are missing from this source WARC

Paul, I purchased the entire inventory (1- Balloon Pilot Wings, and 1- Sr. Balloon Pilot Wings) of Dinty's Market in Biggs Junction, OR. They are the second convenience store on the north east corner in Biggs, which is exit #104 on I-84 in Oregon. The two of them cost $11.62 which is half the price of what I can find on the web (not counting the 600 mile round trip). If you want to contact them, I can send you contact info later. This is what I have found on the web as sources for Balloon pilot wings.

www.garciaaviation.com/wings.html @ $9.95 + $4.95 S&H
www.icbm.com/hotairballoons.htm @ Sr. BP $12.00, BP $10.00, both $20.00 + $4.50 S&H
The balloon Pilot wings were issued by the Army Air Force in the 1930's and 1940's. If you would like to read about the history of wings try these: websites www.icbm.com/hotairballoons.htmwww.303rdbga.com/badges.html

According to www.b24bestweb.com/wings-srballoonpilot.htm the Senior Balloon Pilot wings were awarded for 10 years and 100 hours of flight time. These numbers don't seem to be very accurate but we could come up with similar criteria for our group.
Another option I found was www.nametags4u.com/nametags.html that makes nametags with the wings embroidered on them. I took the time to make a couple of designs we might use. The first is the standard balloon pilot wings, the second is observer wings, but we could probably call the sales department and design a nearspace stack logo for the center of the "O". The cost of these name tags are $17.50 + S&H.
John "the Younger"
K7JPS

-- Paul Wrote:

John, don't forget, I need to know where you purchased your balloon pilot wings. I'd like to buy some and give them to launch crews after a specified number of flights.

Paul

3876. Re: [tvnsp] Balloon Pilot Wings

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-28 20:00:52 UTC
From: Randy Farley
Topic: 3853 Message: 3876

John
Nice work on researching the Wings.

If i had my preference,i would choose the emboidered patch.
They may not be as transferable as the hard emblems,but
they have more "eye appeal" to me. Too easy to loose or misplace
pinned emblems.

The patch may look as nostalgic ,but hey, i'm a futuristic
type guy.

"Not stuck in the past" (sorry about that Captain Cody) Randy

>>> k7jps@... 08/28/02 01:41PM >>>
Paul, I purchased the entire inventory (1- Balloon Pilot Wings, and 1- Sr. Balloon Pilot Wings) of Dinty's Market in Biggs Junction, OR. They are the second convenience store on the north east corner in Biggs, which is exit #104 on I-84 in Oregon. The two of them cost $11.62 which is half the price of what I can find on the web (not counting the 600 mile round trip). If you want to contact them, I can send you contact info later. This is what I have found on the web as sources for Balloon pilot wings.

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www.icbm.com/hotairballoons.htm @ Sr. BP $12.00, BP $10.00, both $20.00 + $4.50 S&H
The balloon Pilot wings were issued by the Army Air Force in the 1930's and 1940's. If you would like to read about the history of wings try these: websites www.icbm.com/hotairballoons.htmwww.303rdbga.com/badges.html

According to www.b24bestweb.com/wings-srballoonpilot.htm the Senior Balloon Pilot wings were awarded for 10 years and 100 hours of flight time. These numbers don't seem to be very accurate but we could come up with similar criteria for our group.
Another option I found was www.nametags4u.com/nametags.html that makes nametags with the wings embroidered on them. I took the time to make a couple of designs we might use. The first is the standard balloon pilot wings, the second is observer wings, but we could probably call the sales department and design a nearspace stack logo for the center of the "O". The cost of these name tags are $17.50 + S&H.
John "the Younger"
K7JPS

-- Paul Wrote:

John, don't forget, I need to know where you purchased your
balloon pilot wings. I'd like to buy some and give them to launch
crews after a specified number of flights.

Paul

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3877. Re: [tvnsp] Balloons for TV02F

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-28 20:29:28 UTC
From: Zack Clobes
Topic: 3873 Message: 3877

Who did you wind up dealing with?

----- Original Message -----
From: <verhap@...>
To: <tvnsp@yahoogroups.com>
Sent: Wednesday, August 28, 2002 9:42 AM
Subject: [tvnsp] Balloons for TV02F

> I finally was able to order a balloon. Kaymont only has an
> answering machine responding at their phone number, so I placed
> the order with Kaysam. They charged about $1.50 less for a 1500
> gram balloon. UPS delivery is expected to take 2-3 days.
>
> Paul
>
>
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3878. Re: [tvnsp] Balloons for TV02F

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-28 21:49:28 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3873 Message: 3878

I placed the order with Connie at (973) 790-3366. She mentioned
that Kaymont was their competitor.

Paul

> Who did you wind up dealing with?
>
> ----- Original Message -----
> From: <verhap@...>
> To: <tvnsp@yahoogroups.com>
> Sent: Wednesday, August 28, 2002 9:42 AM
> Subject: [tvnsp] Balloons for TV02F
>
>
> > I finally was able to order a balloon. Kaymont only has an
> > answering machine responding at their phone number, so I placed
> > the order with Kaysam. They charged about $1.50 less for a 1500
> > gram balloon. UPS delivery is expected to take 2-3 days.
> >
> > Paul
> >
> >
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3879. Re: [tvnsp] Balloon Pilot Wings

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-28 21:52:11 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3853 Message: 3879

> Another option I found was www.nametags4u.com/nametags.html that makes
> nametags with the wings embroidered on them. I took the time to make a
> couple of designs we might use. The first is the standard balloon pilot
> wings, the second is observer wings, but we could probably call the sales
> department and design a nearspace stack logo for the center of the "O".
> The cost of these name tags are $17.50 + S&H.
> John "the Younger"

I like the first design best. Are crews willing to pony up $17.50 for
their wings? I'll buy myself a set.

Paul

3880. Re: [tvnsp] Balloon Pilot Wings

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-28 22:07:04 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3853 Message: 3880

> Another option I found was www.nametags4u.com/nametags.html that makes
> nametags with the wings embroidered on them. I took the time to make a
> couple of designs we might use. The first is the standard balloon pilot
> wings, the second is observer wings, but we could probably call the sales
> department and design a nearspace stack logo for the center of the "O".
> The cost of these name tags are $17.50 + S&H.
> John "the Younger"

Come to think of it, it might be hard to read all of the lettering on
the first insignia. We may want to simplify the background and
bring out the details of the wings and name.

How about a black background for near space? Or even the edge
of the Earth at the bottom, black skies above, and the wings and
name on top?

Paul

3881. Re: [tvnsp] Balloon Pilot Wings

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-28 22:01:20 UTC
From: Rick Widmer
Topic: 3853 Message: 3881

I strongly suggest you make up your own design. The military people who actually earned the right to wear this kind of insignia don't like it much when unqualified people wear them.

From: http://www.dyehard.co.za/opinion.htm

MILITARY INSIGNIA
Speaking of the military, unless you (or a direct relative) actually served in the particular unit, you shouldn't be wearing insignia of military units. One, it gives the sport that militaristic look we don't want. Two, (and most importantly, in my eyes) men and women trained and fought hard for the right to wear that insignia, many died wearing it. I know a few players who wear the insignia of the unit they served with in Viet Nam or the Gulf War. Others lost a loved one in an armed conflict and wear it to honor them. They wear it as a symbol of pride, or remembrance.

The basic message is: If you haven't earned it, don't wear it.

It is more than just a piece of embroidered cloth that looks cool. It shouldn't be taken lightly, or treated as some sort of Christmas decoration for your cammies.

Rick Widmer,
Formerly US Navy. Authorized to wear the National Service Defense Medal for Vietnam era service, and proud of it.>

verhap@... wrote:
>>Another option I found was www.nametags4u.com/nametags.html that makes
>>nametags with the wings embroidered on them. I took the time to make a
>>couple of designs we might use. The first is the standard balloon pilot
>>wings, the second is observer wings, but we could probably call the sales
>>department and design a nearspace stack logo for the center of the "O".
>>The cost of these name tags are $17.50 + S&H.
>>John "the Younger"
>
>
> Come to think of it, it might be hard to read all of the lettering on
> the first insignia. We may want to simplify the background and
> bring out the details of the wings and name.
>
> How about a black background for near space? Or even the edge
> of the Earth at the bottom, black skies above, and the wings and

> name on top?

3882. Mt. Harrison repair trip

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-29 00:12:59 UTC
From: Stephanie Steele
Topic: 3882 Message: 3882

Hi Guys,

I still have not heard if we are going to attempt to repair Mt. Harrison this weekend. Can you please let me know if you are available either Friday, Saturday, or Sunday. I have written to Pat and Jack but have not heard back if either of them would be able to help with tower climbing. I have copied the TVNSP group with this message in case someone in this group wishes to come along to help with climbing the tower.

I have the replacement antenna but intend to attempt Lee's suggested repair first. I would rather maintain the new antenna for a new site if possible. Please let me know.

--
Stephanie

****

Friends are quiet angels who lift us to our feet when our wings have trouble remembering how to fly.

****

"They that can give up essential liberty to obtain a little temporary safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

Send and receive money safely over the Internet by using PayPal. I use it and highly recommend it as a safe and reliable means to conduct business. By using the link below we both will receive a $5 sign up bonus.

https://www.paypal.com/refer/pal=kc7dba%40arrl.net

****

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de recta non tolerandum sunt

3883. Re: [tvnsp] Mt. Harrison repair trip

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-29 03:30:58 UTC
From: Pat Ahern
Topic: 3882 Message: 3883

Hi Stephanie,
Sorry about not returning your email but I have been working out of
town.Labor day weekend is no good for me as we have plans for the
weekend.Sept 7th is already taken up too.Also the 14th isthe day i had
reserved for work up at Lime Hill .
The reason you have not heard from Jack,kc7sla is that his computor is
down and he doesnt have any way to get his email you might try calling
him at work or at home.
Pat Ahern kc7fvo

Stephanie Steele wrote:
>
> Hi Guys,
>
> I still have not heard if we are going to attempt to repair Mt. Harrison
> this weekend. Can you please let me know if you are available either
> Friday, Saturday, or Sunday. I have written to Pat and Jack but have not
> heard back if either of them would be able to help with tower climbing.
> I have copied the TVNSP group with this message in case someone in this
> group wishes to come along to help with climbing the tower.
>
> I have the replacement antenna but intend to attempt Lee's suggested
> repair first. I would rather maintain the new antenna for a new site if
> possible. Please let me know.
>
> --
> Stephanie
>
> ******************************
>
> Friends are quiet angels who lift us to our feet when our wings have
> trouble remembering how to fly.
>
> ******************************
>
> "They that can give up essential liberty to obtain a little temporary
> safety deserve neither liberty nor safety."
>
> Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.
>
> "Those who desire to give up freedom in order to gain security will not
> have, nor do they deserve, either one."
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> President Thomas Jefferson.
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>
> ******************************
>
> Send and receive money safely over the Internet by using PayPal. I use
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>
> https://www.paypal.com/refer/pal=kc7dba%40arrl.net
>
> ******************************
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>
> de recta non tolerandum sunt
>
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>
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>
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3884. Re: [tvnsp] Mt. Harrison repair trip

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-29 14:03:28 UTC
From: Randy Farley
Topic: 3882 Message: 3884

I am available this weekend. The wife has to work so no family stuff planned.
Will be doing fall yard work around the place for my only entertainment.
Holler if you need my help.

>>> stephanie@... 08/28/02 06:12PM >>>
Hi Guys,

I still have not heard if we are going to attempt to repair Mt. Harrison
this weekend. Can you please let me know if you are available either
Friday, Saturday, or Sunday. I have written to Pat and Jack but have not
heard back if either of them would be able to help with tower climbing.
I have copied the TVNSP group with this message in case someone in this
group wishes to come along to help with climbing the tower.

I have the replacement antenna but intend to attempt Lee's suggested
repair first. I would rather maintain the new antenna for a new site if
possible. Please let me know.

--
Stephanie

****

Friends are quiet angels who lift us to our feet when our wings have
trouble remembering how to fly.

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

Send and receive money safely over the Internet by using PayPal. I use
it and highly recommend it as a safe and reliable means to conduct
business. By using the link below we both will receive a $5 sign up bonus.

https://www.paypal.com/refer/pal=kc7dba%40arrl.net

****

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3885. Re: [tvnsp] Balloons for TV02F

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-29 20:46:48 UTC
From: Mike Garske
Topic: 3873 Message: 3885

Paul,

Mike has informed me that after I had posted the data from the other tvnsp website, that some of it needs to be updated. Can you please review the new site and let me know what needs to be updated or added? Only when you have some time!

Thank you!

Andrea
----- Original Message -----
From: <verhap@...>
To: <tvnsp@yahoogroups.com>
Sent: Wednesday, August 28, 2002 3:49 PM
Subject: Re: [tvnsp] Balloons for TV02F

> I placed the order with Connie at (973) 790-3366. She mentioned
> that Kaymont was their competitor.
>
> Paul
>
> > Who did you wind up dealing with?
> >
> > ----- Original Message -----
> > From: <verhap@...>
> > To: <tvnsp@yahoogroups.com>
> > Sent: Wednesday, August 28, 2002 9:42 AM
> > Subject: [tvnsp] Balloons for TV02F
> >
> >
> > > I finally was able to order a balloon. Kaymont only has an
> > > answering machine responding at their phone number, so I placed
> > > the order with Kaysam. They charged about $1.50 less for a 1500
> > > gram balloon. UPS delivery is expected to take 2-3 days.
> > >
> > > Paul
> > >
> > >
> > > To unsubscribe from this group, send an email to:
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> > >
> > >
> > >
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>

3886. Re: [tvnsp] Balloons for TV02F

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-29 22:14:15 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3873 Message: 3886

> Mike has informed me that after I had posted the data from the other tvnsp
> website, that some of it needs to be updated. Can you please review the new
> site and let me know what needs to be updated or added? Only when you have
> some time!

There's a set of archived files at the old site you can move over.
The first 10 or so missions are recorded. The site looks good. Are
you able to put the TVNSP logo into it?

I'll gather more stuff for you.

Paul

3887. Business Cards and Mag Signs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-29 22:17:11 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3887 Message: 3887

Now that we have a website and logo, I'd like to get new business cards and some mag signs for cars. It's easy enough to divide the cost of the business cards. I'll need to know how many people want mag signs for their cards? Plain signs are $40 for two. With the logo, they'll cost more. There's no reason you have to purchase two of them for your car, we can split up the order.

Please let me know if you're interested. I'll get a cost later this weekend.

Paul

3888. CD-ROM business cards

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-29 21:28:21 UTC
From: n9xtn@cox.net
Topic: 3888 Message: 3888

While I was at CompUSA about two weeks ago, I noticed a box of CD-ROM business cards. They are rectangular, business-card-sized, and apparently fit into a CD-ROM drive OK. I believe they stored either 30 or 50 Mbytes. Pricing was somewhere about a quarter apiece if I remember right (around $10-12 for 50). Might make for a unique handout item, and also would be lighter than a standard CD for sending aloft.

- Mark

3889. Re: [tvnsp] CD-ROM business cards

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-29 22:34:32 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3888 Message: 3889

I think I saw the same thing. I didn't pay much attention to them at
the time, but you bring up an interesting idea. Perhaps we could
place a webpage of interesting images and info.

Paul

> While I was at CompUSA about two weeks ago, I noticed a box of CD-ROM business cards. They are rectangular, business-card-sized, and apparently fit into a CD-ROM drive OK. I believe they stored either 30 or 50 Mbytes. Pricing was somewhere about a quarter apiece if I remember right (around
$10-12 for 50). Might make for a unique handout item, and also would be lighter than a standard CD for sending aloft.
>
> - Mark
>
>
>
>
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3890. Re: [tvnsp] CD-ROM business cards

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-29 22:35:28 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3888 Message: 3890

And another thing!!!

We should send them up by the handful and write the flight, date,
and altitude on the card.

Capitol idea, Mark.

Paul

> While I was at CompUSA about two weeks ago, I noticed a box of CD-ROM business cards. They are rectangular, business-card-sized, and apparently fit into a CD-ROM drive OK. I believe they stored either 30 or 50 Mbytes. Pricing was somewhere about a quarter apiece if I remember right (around
> $10-12 for 50). Might make for a unique handout item, and also would be lighter than a standard CD for sending aloft.
>
> - Mark
>
>
>
>
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>
>
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>
>

3891. Re: [tvnsp] Business Cards and Mag Signs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-30 03:07:51 UTC
From: Mike Garske
Topic: 3887 Message: 3891

I am interested in the business cards and mag signs Paul, count me in!

Mike KC7DPD

----- Original Message -----
From: <verhap@...>
To: <tvnsp@yahoogroups.com>
Sent: Thursday, August 29, 2002 4:17 PM
Subject: [tvnsp] Business Cards and Mag Signs

> Now that we have a website and logo, I'd like to get new business
> cards and some mag signs for cars. It's easy enough to divide the
> cost of the business cards. I'll need to know how many people
> want mag signs for their cards? Plain signs are $40 for two. With
> the logo, they'll cost more. There's no reason you have to
> purchase two of them for your car, we can split up the order.
>
> Please let me know if you're interested. I'll get a cost later this
> weekend.
>
> Paul
>
>
> To unsubscribe from this group, send an email to:
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>
>
>
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>
>

3892. Re: [tvnsp] Business Cards and Mag Signs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-30 03:51:53 UTC
From: Craig Brunson
Topic: 3887 Message: 3892

Check out http://www.signpeddler.com/ for magnetic signs. This is run by Steve, N7VIC, in Hillsboro. He does a lot of mail order & e-mail orders.

Craig-
N7TSZ

----- Original Message -----
From: "Mike Garske" <kc7dpd@...>
To: <tvnsp@yahoogroups.com>
Sent: Thursday, 29 August, 2002 8:07 PM
Subject: Re: [tvnsp] Business Cards and Mag Signs

> I am interested in the business cards and mag signs Paul, count me in!
>
> Mike KC7DPD
>
>
> ----- Original Message -----
> From: <verhap@...>
> To: <tvnsp@yahoogroups.com>
> Sent: Thursday, August 29, 2002 4:17 PM
> Subject: [tvnsp] Business Cards and Mag Signs
>
>
> > Now that we have a website and logo, I'd like to get new business
> > cards and some mag signs for cars. It's easy enough to divide the
> > cost of the business cards. I'll need to know how many people
> > want mag signs for their cards? Plain signs are $40 for two. With
> > the logo, they'll cost more. There's no reason you have to
> > purchase two of them for your car, we can split up the order.
> >
> > Please let me know if you're interested. I'll get a cost later this
> > weekend.
> >
> > Paul

3893. Re: [tvnsp] Business Cards and Mag Signs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-30 13:28:59 UTC
From: Randy Farley
Topic: 3887 Message: 3893

I would be interested in the signs.

>>> verhap@... 08/29/02 03:17PM >>>
Now that we have a website and logo, I'd like to get new business cards and some mag signs for cars. It's easy enough to divide the cost of the business cards. I'll need to know how many people want mag signs for their cards? Plain signs are $40 for two. With the logo, they'll cost more. There's no reason you have to purchase two of them for your car, we can split up the order.

Please let me know if you're interested. I'll get a cost later this weekend.

Paul

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3894. Re: Computers

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-30 16:43:15 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3894 Message: 3894

Russ has asked if we can clear out the PCs the weekend. Can we arrange to do this on Saturday?

Thanks,
Paul

3895. Re: [tvnsp] Re: Computers

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-30 17:04:00 UTC
From: Mike Garske
Topic: 3894 Message: 3895

I can help move them on Saturday, just let me know where and when to do it!

Mike KC7DPD

----- Original Message -----
From: <verhap@...>
To: <tvnsp@yahoogroups.com>
Sent: Friday, August 30, 2002 10:43 AM
Subject: [tvnsp] Re: Computers

> Russ has asked if we can clear out the PCs the weekend. Can we
> arrange to do this on Saturday?
>
> Thanks,
> Paul
>
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
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>
>
>
>

3896. Re: [tvnsp] Re: Computers

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-30 19:02:52 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3894 Message: 3896

Russ, when would be a good time for us to drive over this Saturday?

Mike, my cell number is 631-7162. I'll be sure to have my cell
phone on this Saturday.

Paul

> I can help move them on Saturday, just let me know where and when to do it!
>
> Mike KC7DPD
>
>
> ----- Original Message -----
> From: <verhap@...>
> To: <tvnsp@yahoogroups.com>
> Sent: Friday, August 30, 2002 10:43 AM
> Subject: [tvnsp] Re: Computers
>
>
> > Russ has asked if we can clear out the PCs the weekend. Can we
> > arrange to do this on Saturday?
> >
> > Thanks,
> > Paul
> >
> >
> >
> > To unsubscribe from this group, send an email to:
> > tvnsp-unsubscribe@egroups.com
> >
> >
> >
> > Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
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>
>

3897. Computers

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-30 19:08:53 UTC
From: Russell Dunn
Topic: 3894 Message: 3897

Paul, my schedule is pretty open at this point. Make it daylight. I'll try to match your schedule. It could take a couple of cubic yards of space to fit them all in. A pickup bed or two should work. A tarp might be a good idea if it will be uncovered, since it just spat rain here in Metropolis.

Unloading, I mean recycling (at last!)
Russ
N7SMA
----- Original Message -----
From: verhap@...
To: tvnsp@yahoogroups.com
Sent: Friday, August 30, 2002 1:02 PM
Subject: Re: [tvnsp] Re: Computers

Russ, when would be a good time for us to drive over this Saturday?

Mike, my cell number is 631-7162. I'll be sure to have my cell
phone on this Saturday.

Paul

> I can help move them on Saturday, just let me know where and when to do it!
>
> Mike KC7DPD
>
>
> ----- Original Message -----
> From: <verhap@...>
> To: <tvnsp@yahoogroups.com>
> Sent: Friday, August 30, 2002 10:43 AM
> Subject: [tvnsp] Re: Computers
>
>
> > Russ has asked if we can clear out the PCs the weekend. Can we
> > arrange to do this on Saturday?
> >
> > Thanks,
> > Paul

3898. Re: [tvnsp] Computers

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-30 19:59:29 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3894 Message: 3898

Mike, how does right after lunch sound?

Paul

> Paul, my schedule is pretty open at this point. Make it daylight. I'll try to match your schedule. It could take a couple of cubic yards of space to fit them all in. A pickup bed or two should work. A tarp might be a good idea if it will be uncovered, since it just spat rain here in
Metropolis.
>
> Unloading, I mean recycling (at last!)
> Russ
> N7SMA
> ----- Original Message -----
> From: verhap@...
> To: tvnsp@yahoogroups.com
> Sent: Friday, August 30, 2002 1:02 PM
> Subject: Re: [tvnsp] Re: Computers
>
>
> Russ, when would be a good time for us to drive over this Saturday?
>
> Mike, my cell number is 631-7162. I'll be sure to have my cell
> phone on this Saturday.
>
> Paul
>
> > I can help move them on Saturday, just let me know where and when to do it!
> >
> > Mike KC7DPD
> >
> >
> > ----- Original Message -----
> > From: <verhap@...>
> > To: <tvnsp@yahoogroups.com>
> > Sent: Friday, August 30, 2002 10:43 AM
> > Subject: [tvnsp] Re: Computers
> >
> >
> > > Russ has asked if we can clear out the PCs the weekend. Can we
> > > arrange to do this on Saturday?
> > >
> > > Thanks,
> > > Paul
>

3899. Re: [tvnsp] Computers

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-08-30 23:19:28 UTC
From: Mike Garske
Topic: 3894 Message: 3899

I take lunch time means around noon? Gimme a call at home if you get this tonight......846-9219

Mike KC7DPD

----- Original Message -----
From: <verhap@...>
To: <tvnsp@yahoogroups.com>
Sent: Friday, August 30, 2002 1:59 PM
Subject: Re: [tvnsp] Computers

> Mike, how does right after lunch sound?
>
> Paul
>
> > Paul, my schedule is pretty open at this point. Make it daylight. I'll try to match your schedule. It could take a couple of cubic yards of space to fit them all in. A pickup bed or two should work. A tarp might be a good idea if it will be uncovered, since it just spat rain here in
> Metropolis.
> >
> > Unloading, I mean recycling (at last!)
> > Russ
> > N7SMA
> > ----- Original Message -----
> > From: verhap@...
> > To: tvnsp@yahoogroups.com
> > Sent: Friday, August 30, 2002 1:02 PM
> > Subject: Re: [tvnsp] Re: Computers
> >
> >
> > Russ, when would be a good time for us to drive over this Saturday?
> >
> > Mike, my cell number is 631-7162. I'll be sure to have my cell
> > phone on this Saturday.
> >
> > Paul
> >
> > > I can help move them on Saturday, just let me know where and when to do it!
> > >
> > > Mike KC7DPD
> > >
> > >
> > > ----- Original Message -----
> > > From: <verhap@...>

> > > To: <tvnsp@yahoogroups.com>
> > > Sent: Friday, August 30, 2002 10:43 AM
> > > Subject: [tvnsp] Re: Computers
> > >
> > >
> > > > Russ has asked if we can clear out the PCs the weekend. Can we
> > > > arrange to do this on Saturday?
> > > >
> > > > Thanks,
> > > > Paul
> >
>
>
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
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>

3900. October Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-01 20:55:45 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3900 Message: 3900

The electronics teacher at Vallivue HS expressed an interest in tracking a balloon flight from the high school's ham station. I picked up a grant form from Fred Meyers and hope they can help pay for the flight (they need 4-6 weeks to process the request). I've written a rough outline of the lessons that must be given. I'll contact the teacher and tell him what I'd like to do. If this works out, we'll have to meet with the students a week before to teach them the basics of balltrak, liftwin, and APRS+. I'd like the students to run predictions and them act as mission control for the flight.

Does anyone have a problem with this (admittly rough) plan? any sugested refinements?

Fred Meyers needs the organization they donate to be a 501C3 organization. Dough, is VOI? If so, I'd like the Fred Meyers' donation to go to VOI for the TVNSP account.

I plan to ask for $50 for the balloon, $100 for the helium, $20 for the batteries, and $20 for the film and photo processing.

Paul

3901. Re: [tvnsp] October Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-01 20:16:55 UTC
From: Zack Clobes
Topic: 3900 Message: 3901

When we did our school launch, we blew through $500 in no time. We had handouts for all the students (20 pages * 50? students), a binder to put everything in, video tapes (of the launch and of the ATV), vacuum pump/bell jar, dry ice, thermometers, etc. I think the overall experience wound up costing closer to $800-$1000.

Just something to think about if you're planing any kind of experiments (especially labs) as well as anything for the kids to take home (copies of pictures, video, balloon track, certificates, etc).

Zack Clobes, W0ZC
Project: Traveler

----- Original Message -----
From: <verhap@...>
To: <tvnsp@yahoogroups.com>
Sent: Sunday, September 01, 2002 3:55 PM
Subject: [tvnsp] October Launch

> The electronics teacher at Vallivue HS expressed an interest in
> tracking a balloon flight from the high school's ham station. I
> picked up a grant form from Fred Meyers and hope they can help
> pay for the flight (they need 4-6 weeks to process the request). I've
> written a rough outline of the lessons that must be given. I'll
> contact the teacher and tell him what I'd like to do. If this works
> out, we'll have to meet with the students a week before to teach
> them the basics of balltrak, liftwin, and APRS+. I'd like the
> students to run predictions and them act as mission control for the
> flight.
>
> Does anyone have a problem with this (admittly rough) plan? any
> sugested refinements?
>
> Fred Meyers needs the organization they donate to be a 501C3
> organization. Dough, is VOI? If so, I'd like the Fred Meyers'
> donation to go to VOI for the TVNSP account.
>
> I plan to ask for $50 for the balloon, $100 for the helium, $20 for the
> batteries, and $20 for the film and photo processing.
>
> Paul
>
>
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>

>
>
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>
>

3902. Status, 3 Sept

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-03 14:37:11 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3902 Message: 3902

The MRF is predicting a low pressure trough to our west. The jet stream will passing over Idaho with high winds from the south.

We'll need to launch as far south as we can if this holds up.

Paul

3904. Mission TV02F Configuration

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-03 15:06:11 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3904 Message: 3904
Attachments: 2 described; binary payloads are missing from this source WARC

Attached is the configuration for TV02F.

Paul

3905. TV02F

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-03 15:12:55 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3904 Message: 3905

I spent the weekend getting the ATV's robotic arm updated to new power connectors and the servo cables tiddied up. Last night I updated the flight code to operate the arm. Because of the size of the code, I'm now using two program slots of the Basic Stamp. I hoped to wait until after this year's flight season to learn how to do this. Well, anyhow, it all works.

I will do a capsule build between classes today and along with making notes for our presentation at ISP (power point). I'll try a ATV test tonight (I hope).

Paul

3906. Re: [tvnsp] Balloon Pilot Wings

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-03 17:34:19 UTC
From: John Knapp
Topic: 3853 Message: 3906

I agree with Rick. If we want to where a special
emblem let's make one unique to us, not one that was
designed by the military. As Rick has indicated, the
members who earned the right to wear it should be the
only ones to wear it. I have seen a lot of 'PX Heroes'
that have bought emblems to wear that have not really
earned that right.

John Knapp
KD7HGS

--- Rick Widmer <rwidmer@...> wrote:
> I strongly suggest you make up your own design. The
> military people who
> actually earned the right to wear this kind of
> insignia don't like it
> much when unqualified people wear them.
>
> From: http://www.dyehard.co.za/opinion.htm
>
>

>
> MILITARY INSIGNIA
> Speaking of the military, unless you (or a direct
> relative) actually
> served in the particular unit, you shouldn't be
> wearing insignia of
> military units. One, it gives the sport that
> militaristic look we don't
> want. Two, (and most importantly, in my eyes) men
> and women trained and
> fought hard for the right to wear that insignia,
> many died wearing it. I
> know a few players who wear the insignia of the unit
> they served with in
> Viet Nam or the Gulf War. Others lost a loved one in
> an armed conflict
> and wear it to honor them. They wear it as a symbol
> of pride, or
> remembrance.
>
> The basic message is: If you haven't earned it,
> don't wear it.
>

> It is more than just a piece of embroidered cloth
> that looks cool. It
> shouldn't be taken lightly, or treated as some sort
> of Christmas
> decoration for your cammies.
>
>

>
>
> Rick Widmer,
> Formerly US Navy. Authorized to wear the National
> Service Defense Medal
> for Vietnam era service, and proud of it.>
>
>
> verhap@... wrote:
> >>Another option I found was
> www.nametags4u.com/nametags.html that makes
> >>nametags with the wings embroidered on them. I
> took the time to make a
> >>couple of designs we might use. The first is the
> standard balloon pilot
> >>wings, the second is observer wings, but we could
> probably call the sales
> >>department and design a nearspace stack logo for
> the center of the "O".
> >>The cost of these name tags are $17.50 + S&H.
> >>John "the Younger"
> >
> >
> > Come to think of it, it might be hard to read all
> of the lettering on
> > the first insignia. We may want to simplify the
> background and
> > bring out the details of the wings and name.
> >
> > How about a black background for near space? Or
> even the edge
> > of the Earth at the bottom, black skies above, and
> the wings and
> > name on top?
>
>

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3907. RE: [KNSP] Herington forecast

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-03 17:42:57 UTC
From: Doug Eubanks
Topic: 3907 Message: 3907

Well Paul, the weather may be nicer, BUT, you
don't have to be a mountain goat to chase and
recover the payloads down here in this neck of the
woods!

Doug
-----Original Message-----
From: verhap@...
[mailto:verhap@...]
Sent: Tuesday, September 03, 2002 1:21 PM
To: KNSP@yahoogroups.com
Subject: Re: [KNSP] Herington forecast

> Should have clear skies for the weekend, and
relatively warm conditions. Morning lows in the
lower 70s, afternoon highs in the mid 90s.
Surface winds from the south at 8-12 mph.

Just to rub in how great our weather is out here
in Idaho, we should
have daily highs in the 70's this weekend.

Paul

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3908. Balloon

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-03 20:17:43 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2058 Message: 3908

The balloon arrived this morning. The balloon is darker than the Kaymonts and the neck has a plastic cup in it. Our filler should fit just fine.

Paul

3909. Re: [tvnsp] Balloon

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-03 19:52:45 UTC
From: Randy Farley
Topic: 2058 Message: 3909

How far up or into the neck does the cup extend? Is it a permanent part of the balloon? Sounds like it gives extra strength to the neck area of the balloon. Probably other good reasons for the cup that a novice balloon person does not see.

>>> verhap@... 09/03/02 01:17PM >>>
The balloon arrived this morning. The balloon is darker than the
Kaymonts and the neck has a plastic cup in it. Our filler should fit
just fine.

Paul

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3910. TV02F

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-03 20:08:49 UTC
From: John Knapp
Topic: 3904 Message: 3910

Did a quick (and dirty?) prediction for Saturday. I
don't have the lat/long for Bruneau area so used
Boise. I came up with:

Bearing: 13.5 degrees
Distance: 93 miles
Flight time: 122 minutes.

Will have to look this evening on Street Atlas to see
where this puts us from the State Park.

Anyone else done this yet? Also, can anyone come up
with the lat/long for the Bruneau Park area?

JohnK

_____
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3911. Re: [tvnsp] Balloon

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-03 21:44:14 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2058 Message: 3911

It goes about about 2" up the neck.

Paul
> How far up or into the neck does the cup extend? Is it a permanent part of the balloon? Sounds like it gives extra strength to the neck area of the balloon. Probably other good reasons for the cup that a novice balloon person does not see.
>
> >>> verhap@... 09/03/02 01:17PM >>>
> The balloon arrived this morning. The balloon is darker than the
> Kaymonts and the neck has a plastic cup in it. Our filler should fit
> just fine.
>
> Paul
>
>
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>
>
>
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>

3912. Re: [tvnsp] TV02F

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-03 21:46:55 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3904 Message: 3912

> Bearing: 13.5 degrees
> Distance: 93 miles
> Flight time: 122 minutes.
>
> Will have to look this evening on Street Atlas to see
> where this puts us from the State Park.
>
> Anyone else done this yet? Also, can anyone come up
> with the lat/long for the Bruneau Park area?

The MRF is indicating a flight like this, very north and very far.

I wonder if we can get fox hunters prepositioned and have them
look for the cpausle until the regulars arrive.

Paul

3913. Balloon project at WUSTL

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-03 21:09:25 UTC
From: n9xtn@cox.net
Topic: 3913 Message: 3913

http://www.aria.seas.wustl.edu/ahab/

Looks like they expect their first launch this fall.

- Mark

3914. Kaysam balloons (?)

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-03 21:14:04 UTC
From: n9xtn@cox.net
Topic: 3914 Message: 3914

Paul,

I assume the one that just arrived is from Kaysam? Sounds like it from the description.

I used a couple of Kaysams that the NWS provided for a launch at an event they supported. It was a 650g and is a dark greenish-brown. The balloons are actually two pieces joined by a solid plastic ring (the "cup" Paul mentioned). The two I had shredded rather cleanly above this ring without the knotting and such that the Kaymonts tend to have. I think I owe Don Pfister a digital photo of what mine looked like afterwards (I still have at least one of them).

Also, the Kaysams I had came with larger necks. I made an adapter for my fill device that will fit either the larger Kaysam or the smaller Kaymont necks.

- Mark

3915. Re: [tvnsp] Kaysam balloons (?)

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-03 22:59:23 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3914 Message: 3915

It sounds like my balloon is fine then. Great. Thanks for the info,
Mark.

Paul

> Paul,
>
> I assume the one that just arrived is from Kaysam? Sounds like it from the description.
>
> I used a couple of Kaysams that the NWS provided for a launch at an event they supported. It was a 650g and is a dark greenish-brown. The balloons are actually two pieces joined by a solid plastic ring (the "cup" Paul mentioned). The two I had shredded rather cleanly above this ring without
the knotting and such that the Kaymonts tend to have. I think I owe Don Pfister a digital photo of what mine looked like afterwards (I still have at least one of them).
>
> Also, the Kaysams I had came with larger necks. I made an adapter for my fill device that will fit either the larger Kaysam or the smaller Kaymont necks.
>
> - Mark
>
>
>
>
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3916. Re: [tvnsp] Balloon project at WUSTL

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-03 23:15:16 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3913 Message: 3916

They have a Acrobat file on their presentation to the space grant on
their webpage. They are following the same format for capsules as
TVNSP. Their flight computer is a higher level one than the Basic
Stamp, but also more difficult to program. I've asked them to
subscribe to KNSP so they can keep us updated.

Mark, Zack, and Don, they're in your neck of the woods. Perhaps
you can coordinate a launch with them.

Paul

> http://www.aria.seas.wustl.edu/ahab/
>
> Looks like they expect their first launch this fall.
>
> - Mark
>
>
>
>
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3917. Re: [tvnsp] TV02F

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-04 00:17:13 UTC
From: Rick Widmer
Topic: 3904 Message: 3917

John Knapp wrote:
> Also, can anyone come up
> with the lat/long for the Bruneau Park area?

Observatory:

42 54.18N
115 41.46W

Old Campground

42 54.672N
115 41.670W

3918. Re: [tvnsp] TV02F

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-04 14:04:51 UTC
From: Randy Farley
Topic: 3904 Message: 3918

Paul
It is looking pretty unlikely here at work that i can make the Bruneu launch.
With a short week after the holiday,we are in our usual "hurry up" and "keep the customer happy" mode right now. Most of the purchasing agents we supply, seem to take an extra day off before long holidays and panic order the following week (this week).

Anyway, i might have to be in the monitor mode this time. Will not know
for sure until Friday.

"Hate it when work interfers with fun" Randy

regards

Randy Farley

>>> verhap@...01.k12.id.us 09/03/02 02:46PM >>>
> Bearing: 13.5 degrees
> Distance: 93 miles
> Flight time: 122 minutes.
>
> Will have to look this evening on Street Atlas to see
> where this puts us from the State Park.
>
> Anyone else done this yet? Also, can anyone come up
> with the lat/long for the Bruneau Park area?

The MRF is indicating a flight like this, very north and very far.

I wonder if we can get fox hunters prepositioned and have them
look for the cpausle until the regulars arrive.

Paul

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3919. TV02F

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-04 17:14:48 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3904 Message: 3919

The BAS has given TVNSP $50 for the ISP flight, combined with the $100 from Bruneau Dunes, that pretty much pays for the launch. We speak twice at ISP, once on Friday before the launch and then on Saturday afternoon, after the recovery. We'll be carry a t-shirt for ISP on the capsules.

Stephanie will be at the NWAPRS conference. Randy has said he can't make the launch because of work. Jeff won't be back for another day or two. I need to make sure we have enough to launch this weekend. Can I get a show of hands of who will be there to help? We'll need to meet at Bruneau on Friday night for the flight readiness review. I wonder if we can launch from Bruneau Dunes? The flight should go pretty much north and we may recover near Fairfield.

Paul "A bit worried" Verhage

3920. Re: [tvnsp] TV02F

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-04 16:28:25 UTC
From: John Knapp
Topic: 3904 Message: 3920

Deb and I will try to be there. The only concern we have is the distance the balloon will travel. Last night, if launched from the State Park, the balloon would land in the Lowman Area. That would not be good.

I have not been able to obtain the forcasted data for Saturday today, the server appears to be down. However, the MRF shows the weather system for Saturday to be different than what it showed yesterday. It appears the winds will be more from the sw to the ne.That would be a good thing for chasing. And may allow us to launch from the State Park.

Would there be any consideration of doing a hot launch so the balloon would go up faster and possibly not travel as far? I know that would lower the burst altitude but may be a benefit in the long run.

Also, will be have the ability to hit the internet from the classrooms down there? If the winds are in a state of flex we may want to check the data Friday night late and again Saturday morning, delaying launch a little.

My thoughts on all of this.

JohnK
KD7HGS

_____
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3921. TV02F - prediction

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-04 18:49:15 UTC
From: John Knapp
Topic: 3904 Message: 3921

Thanks Rick for the Lat/Long for the State Park. I did
a predicition from the Observatory for Saturday. Using
the following variables:

Ascent: 1200fpm
Descent: 1200fpm
Burst: 90,000ft.

Have the following:

Distance: 80 miles
Bearing: 28 degrees
Time: 107 minutes.
Landing Lat/Long: 43.9243/-114.9448

This appears to place the balloon's landing area
NorthEast of Atlanta.

Anyone else do this to confirm my guess work?

JohnK
KD7HGS

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3922. Re: [tvnsp] TV02F

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-04 20:30:13 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3904 Message: 3922

> Would there be any consideration of doing a hot launch
> so the balloon would go up faster and possibly not
> travel as far? I know that would lower the burst
> altitude but may be a benefit in the long run.

That sounds fine to me, if necessary.

> Also, will be have the ability to hit the internet
> from the classrooms down there? If the winds are in a
> state of flex we may want to check the data Friday
> night late and again Saturday morning, delaying launch
> a little.

I'll ask.

Paul

3923. Re: [tvnsp] TV02F - prediction

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-04 20:32:07 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3904 Message: 3923

> This appears to place the balloon's landing area
> NorthEast of Atlanta.
>
> Anyone else do this to confirm my guess work?

I won't be able to run predictiuons right now. I'm not familair with
Atlanta, but seem to recall it's deep in the mountains.

Can we find a place sound of Bruneau to alunch from and have the
balloon pass over the park during the ascent?

Paul

3924. Weekend launch in Idaho area

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-04 19:35:09 UTC
From: n9xtn@cox.net
Topic: 3924 Message: 3924

It looks like you'll have strong winds all weekend between 20kft and 45kft. The Saturday 15Z forecast from this morning's run indicates about 100 kts in this layer from 205. Sunday is only slightly better.

I don't see very much hope for a change to better conditions. Looks to me like a 80-120 mile chase to the NNE no matter how you cut it.

- Mark

3925. Re: [tvnsp] TV02F - prediction

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-04 19:39:13 UTC
From: John Knapp
Topic: 3904 Message: 3925

I will try to do some more guess work this afternoon
or this evening. I will also do prediction for 1400
and 1600 fpm ascent to see the difference in distance.
Will also try some different launch areas south/south
west of Bruneau SP.

You are right about Atlanta. It is in the mountains,
just south of the Wilderness area.

JohnK

--- verhap@... wrote:
> > This appears to place the balloon's landing area
> > NorthEast of Atlanta.
> >
> > Anyone else do this to confirm my guess work?
>
> I won't be able to run predictiuons right now. I'm
> not familair with
> Atlanta, but seem to recall it's deep in the
> mountains.
>
> Can we find a place sound of Bruneau to alunch from
> and have the
> balloon pass over the park during the ascent?
>
> Paul
>

_____
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3926. Re: [tvnsp] Weekend launch in Idaho area

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-04 20:50:30 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3924 Message: 3926

> I don't see very much hope for a change to better conditions. Looks to me like a 80-120 mile chase to the NNE no matter how you cut it.

This is not good, but the only day we can launch is Saturday.
we're being paid $150 to do this (our costs), so there's not much of
a choice. Perhaps we can get a record for this?!

Paul

3927. Re: [tvnsp] TV02F - prediction

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-04 20:51:04 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3904 Message: 3927

> I will try to do some more guess work this afternoon
> or this evening. I will also do prediction for 1400
> and 1600 fpm ascent to see the difference in distance.
> Will also try some different launch areas south/south
> west of Bruneau SP.

Perhaps we could launch from Rome.

Paul

3928. Re: [tvnsp] TV02F - prediction

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-04 19:56:27 UTC
From: Randy Farley
Topic: 3904 Message: 3928

I just found time to do my prediction.
My figures were close John
Time 107 min
Bearing 27 degrees
Range 79 miles

This is not friendly territory. 9K and 10K mountains.

>>> kd7hgs@... 09/04/02 12:49PM >>>
Thanks Rick for the Lat/Long for the State Park. I did
a predicition from the Observatory for Saturday. Using
the following variables:

Ascent: 1200fpm
Descent: 1200fpm
Burst: 90,000ft.

Have the following:

Distance: 80 miles
Bearing: 28 degrees
Time: 107 minutes.
Landing Lat/Long: 43.9243/-114.9448

This appears to place the balloon's landing area
NorthEast of Atlanta.

Anyone else do this to confirm my guess work?

JohnK
KD7HGS

_____
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3929. Shortening the flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-04 20:18:29 UTC
From: n9xtn@cox.net
Topic: 3929 Message: 3929

Do you have any small balloons? If you put a whole lot of helium (close to 2 tanks) into a 300g balloon, you might be able to reduce your chase distance to a reasonable value. It would also generate about 20 lbs of free lift and about 1700 ft/min ascent rate.

Reducing parachute size would help you get down through the jet faster as well.

73 de Mark N9XTN

3930. Re: [tvnsp] Shortening the flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-04 21:20:30 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3929 Message: 3930

we can go with extra helium. The parachute is 5' in diameter.

Paul

> Do you have any small balloons? If you put a whole lot of helium (close to 2 tanks) into a 300g balloon, you might be able to reduce your chase distance to a reasonable value. It would also generate about 20 lbs of free lift and about 1700 ft/min ascent rate.
>
> Reducing parachute size would help you get down through the jet faster as well.

3931. TV02F - status and thoughts

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-04 23:47:51 UTC
From: John Knapp
Topic: 3904 Message: 3931

I talked to Paul on the phone this afternoon. His thought is to launch from Burns Junction. He would take off his ATV since it wouldn't be received at the Observatory and the landing would be in the Weiser area. I haven't done the track yet but will do so let the group know what I came up with.

We also talked about ascent rates. If someone is familiar with liftwin, can we do rates of ascent between 1400 to 1800 fps? If so, what would the lift be and the burst altitude.

I will do Balloon Lift calculations tonight for 1400, 1500, 1600, 1700, and 1800fps and descent rate of 1200fps. Might also change the burst height to 80,000ft. Any thoughts?

If we can get the distance traveled to a short enough distance maybe we can still go with a launch near Bruneau SP.

Other input would be appreciated.

JohnK
KD7HGS

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3932. Re: [tvnsp] TV02F

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-04 23:50:57 UTC
From: Rick Widmer
Topic: 3904 Message: 3932

verhap@... wrote:

> I need to make sure we have enough to launch
> this weekend. Can I get a show of hands of who will be there to
> help?

I will be there, and can help with launch.

> We'll need to meet at Bruneau on Friday night for the flight
> readiness review.

> I wonder if we can launch from Bruneau Dunes?

I hope so. It would make for a much better show for the groggy
astronomers who have been up all night that way... :) I certainly plan
on pulling an all-niter in the observatory both nights.

Rick

3933. Re: [tvnsp] TV02F

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-04 23:52:28 UTC
From: Rick Widmer
Topic: 3904 Message: 3933

John Knapp wrote:
> Also, will be have the ability to hit the internet
> from the classrooms down there?

Not from the classroom, but there should be a way to get you into the visitor center for Internet access.

Rick

3934. Re: TV02F

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-05 03:31:17 UTC
From: kd7pit
Topic: 3904 Message: 3934

>Can I get a show of hands of who will be there to
> help?

I will be there. If Randy can't make it, does anyone need a seasoned navagator/co-pilot to ride along with?

Justin, KD7PIT

3935. RE: [tvnsp] TV02F

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-05 03:49:46 UTC
From: K7JPS - John
Topic: 3904 Message: 3935

Paul,

I've got plans for being there Friday evening after work, what time is the TVNSP presentation? Then again, watching the discussion about landing locations, with the distance of the flight, I might end up staying home if we are launching from Burns junction. I haven't run any predictions yet, but will try to find time. I just loaded WBalTrak 1.7.7 on this PC so I should be up and running pretty soon with it.

John the younger
K7JPS

-----Original Message-----
From: verhap@... [mailto:verhap@...]
Sent: Wednesday, September 04, 2002 11:15
To: tvnsp@yahoogroups.com
Subject: [tvnsp] TV02F

The BAS has given TVNSP $50 for the ISP flight, combined with the $100 from Bruneau Dunes, that pretty much pays for the launch. We speak twice at ISP, once on Friday before the launch and then on Saturday afternoon, after the recovery. We'll be carry a t-shirt for ISP on the capsules.

Stephanie will be at the NWAPRS conference. Randy has said he can't make the launch because of work. Jeff won't be back for another day or two. I need to make sure we have enough to launch this weekend. Can I get a show of hands of who will be there to help? We'll need to meet at Bruneau on Friday night for the flight readiness review. I wonder if we can launch from Bruneau Dunes? The flight should go pretty much north and we may recover near Fairfield.

Paul "A bit worried" Verhage

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3936. RE: Navigator

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-05 03:54:22 UTC
From: K7JPS - John
Topic: 3904 Message: 3936

If no one else speaks up, I wouldn't mind a seasoned navigator, I've got room in my rig for several of them.

John the younger
K7JPS
-----Original Message-----
From: kd7pit [mailto:J_Formolo@...]
Sent: Wednesday, September 04, 2002 21:31
To: tvnsp@yahoogroups.com
Subject: [tvnsp] Re: TV02F

>Can I get a show of hands of who will be there to
> help?

I will be there. If Randy can't make it, does anyone need a seasoned navagator/co-pilot to ride along with?

Justin, KD7PIT

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3938. Re: [tvnsp] TV02F

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-05 11:35:53 UTC
From: Mike Garske
Topic: 3904 Message: 3938

I will be there Friday afternoon around 5pm, we still have to set up a mission control in Bruneau somehow.

Do we have money in the helium account? If not I can pick up one bottle. We have a 1/4 tank, and a 2/3 tank at my house now, so coupled with a full tank, we should have enough helium.

Mike KC7DPD

3939. Re: [tvnsp] TV02F

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-05 14:08:28 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3904 Message: 3939

There's no money, but I explained to them that we were being
reinembursed for this flight and that I would pay on Monday.

> I will be there Friday afternoon around 5pm, we still have to set up a
> mission control in Bruneau somehow.
>
> Do we have money in the helium account? If not I can pick up one bottle. We
> have a 1/4 tank, and a 2/3 tank at my house now, so coupled with a full
> tank, we should have enough helium.
>
> Mike KC7DPD
>
>
>
>
>
>
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3940. Status, 5 Sept

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-05 14:28:26 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3940 Message: 3940

Is Jeff back? Jeff, since we won't be flying the ATV unit, I'd like to use your capsule as a backup APRS tracker. My camera will get pictures of your capsule (the lunch sack one) below my capsule and the ground far below.

As for a weight, my capsule weighs in at 6.0 pounds. Jeff's may be 2-3 pounds. The parachute is 1 pound. So plan for a 10 pound payload for the balloon. Something like 5 ppl will give us a very hot launch.

The presentation at Bruneau is scheduled for 8:30 to 9:00 PM. Originally we were given an hour, but there was a scheduling error, so we have been reduced to 30 minutes.

I plan to bring my telescope and sleeping bag on Friday night. However, since it looks like we'll launch from Burns Junction, I'll drive home Friday night and leave from Caldwell Saturday morning.

We have a post flight presentation on Saturday afternoon at 3:30 PM. Jeff, do you still plan to operate Mission Control? We'll want to show the flight track and photos from the flight at the presentation. We're carrying an ISP t-shirt that will become a door prize when we return.

Speaking of Jeff, we'll need to get Jeff set up Friday afternoon. I'll bring a TV/VCR and some photos for display. The Flight Readiness Review (FRR) for TV02F needs to be completed before the presentation on Friday.

Last night I completed the assembly of the near space capsule. I've also wrote a test program to make sure every experiment is working. The test uncovered two errors involving the I/O ports of experiments. I can run the test during the FRR on Friday. So I know know the camera is plugged in correctly to the CC/PS. I also double-checked the size of the variables used in the camera routine. The capsule will attempt photos at 100,000 if we get that high.

I plan to leave Boise at 3:30 Friday. John, you can share my campsite, I'll have space. One update for the checklist. The audio beacon is the Aux switch.

Paul "a little tired" Verhage

3941. [tvnsp] Re: TV02F

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-05 13:28:42 UTC
From: Randy Farley
Topic: 3904 Message: 3941

Justin & The Group

If the group needs another laptop, i would be glad to let you borrow mine.
You could use your HT for the tracker. It is available to anyone else in the group if needed. I know Mike G'a. crashed last flight so Mike this offer applies to you also.

"Offering any help i can" Randy

>>> J_Formolo@... 09/04/02 09:31PM >>>
>Can I get a show of hands of who will be there to
> help?

I will be there. If Randy can't make it, does anyone need a seasoned navagator/co-pilot to ride along with?

Justin, KD7PIT

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3942. Re: [tvnsp] Status, 5 Sept

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-05 13:44:45 UTC
From: John Knapp
Topic: 3940 Message: 3942

Paul, it is possible to launch from south of Bruneau, overfly the State Park, and land north and east of Mt. Home. Only a thought but it would allow us to use the ATV for the Astronomers at Bruneau. I will have more details later but it might be a thought. Also closer for driving.

More later

JohnK
--- verhap@... wrote:
> Is Jeff back? Jeff, since we won't be flying the
> ATV unit, I'd like to
> use your capsule as a backup APRS tracker. My
> camera will get
> pictures of your capsule (the lunch sack one) below
> my capsule
> and the ground far below.
>
> As for a weight, my capsule weighs in at 6.0 pounds.
> Jeff's may
> be 2-3 pounds. The parachute is 1 pound. So plan
> for a 10 pound
> payload for the balloon. Something like 5 ppl will
> give us a very hot
> launch.
>
> The presentation at Bruneau is scheduled for 8:30 to
> 9:00 PM.
> Originally we were given an hour, but there was a
> scheduling error,
> so we have been reduced to 30 minutes.
>
> I plan to bring my telescope and sleeping bag on
> Friday night.
> However, since it looks like we'll launch from Burns
> Junction, I'll
> drive home Friday night and leave from Caldwell
> Saturday morning.
>
> We have a post flight presentation on Saturday
> afternoon at 3:30
> PM. Jeff, do you still plan to operate Mission
> Control? We'll want
> to show the flight track and photos from the flight

> at the
> presentation. We're carrying an ISP t-shirt that
> will become a door
> prize when we return.
>
> Speaking of Jeff, we'll need to get Jeff set up
> Friday afternoon. I'll
> bring a TV/VCR and some photos for display. The
> Flight
> Readiness Review (FRR) for TV02F needs to be
> completed before
> the presentation on Friday.
>
> Last night I completed the assembly of the near
> space capsule.
> I've also wrote a test program to make sure every
> experiment is
> working. The test uncovered two errors involving
> the I/O ports of
> experiments. I can run the test during the FRR on
> Friday. So I
> know know the camera is plugged in correctly to the
> CC/PS. I also
> double-checked the size of the variables used in the
> camera
> routine. The capsule will attempt photos at 100,000
> if we get that
> high.
>
> I plan to leave Boise at 3:30 Friday. John, you can
> share my
> campsite, I'll have space. One update for the
> checklist. The audio
> beacon is the Aux switch.
>
> Paul "a little tired" Verhage
>

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3943. Re: [tvnsp] Status, 5 Sept

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-05 14:50:50 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3940 Message: 3943

> Paul, it is possible to launch from south of Bruneau,
> overfly the State Park, and land north and east of Mt.
> Home. Only a thought but it would allow us to use the
> ATV for the Astronomers at Bruneau. I will have more
> details later but it might be a thought. Also closer
> for driving.

The ATV could probably be made ready, but I do like the idea of flying Jeff's backup APRS. I suppose if the travel time for us is less, it's the way to go. This means I need to get those batteries built tonight.

Paul

3944. Re: [tvnsp] Status, 5 Sept

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-05 14:04:48 UTC
From: John Knapp
Topic: 3940 Message: 3944

I was under the impression we were flying his APRS
along with the ATV, we had talked about having two
APRS on every flight.

JohnK
--- verhap@... wrote:
> > Paul, it is possible to launch from south of
> Bruneau,
> > overfly the State Park, and land north and east of
> Mt.
> > Home. Only a thought but it would allow us to use
> the
> > ATV for the Astronomers at Bruneau. I will have
> more
> > details later but it might be a thought. Also
> closer
> > for driving.
>
> The ATV could probably be made ready, but I do like
> the idea of
> flying Jeff's backup APRS. I suppose if the travel
> time for us is
> less, it's the way to go. This means I need to get
> those batteries
> built tonight.
>
> Paul
>

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3945. Re: [tvnsp] Status, 5 Sept

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-05 15:07:21 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3940 Message: 3945

> I was under the impression we were flying his APRS
> along with the ATV, we had talked about having two
> APRS on every flight.

That would be fine. Jeff, where are you?!

This would make the flight a triple module flight.

Paul

3946. Re: [tvnsp] Status, 5 Sept

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-05 14:28:55 UTC
From: John Knapp
Topic: 3940 Message: 3946

A thought, and I need someone to verify the figures, but if we launch from Riddle, Id., south of Bruneau, the landing would be app. 10 miles nw of Mt. Home. I used a hieght of 90,000ft, ascent of 1400fpm, and descent of 1200fpm. I am not sure if this would over fly the airbase but we will need to be careful with our prediction. I will do some more when I have time, but work is calling.

Someone else try this to confirm my thought.

JohnK
--- verhap@... wrote:
> > I was under the impression we were flying his APRS
> > along with the ATV, we had talked about having two
> > APRS on every flight.
>
> That would be fine. Jeff, where are you?!
>
> This would make the flight a triple module flight.
>
> Paul
>

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3947. Re: [tvnsp] Status, 5 Sept

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-05 16:01:48 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3940 Message: 3947

We can't fly over the airbase. Don't forget, there's a bombing range
out there that we have to avoid also. Is it possible to launch further
north and east and skirt Mt. Home?

Paul

> A thought, and I need someone to verify the figures,
> but if we launch from Riddle, Id., south of Bruneau,
> the landing would be app. 10 miles nw of Mt. Home. I
> used a hieght of 90,000ft, ascent of 1400fpm, and
> descent of 1200fpm. I am not sure if this would over
> fly the airbase but we will need to be careful with
> our prediction. I will do some more when I have time,
> but work is calling.
>
> Someone else try this to confirm my thought.
>
> JohnK
> --- verhap@... wrote:
> > > I was under the impression we were flying his APRS
> > > along with the ATV, we had talked about having two
> > > APRS on every flight.
> >
> > That would be fine. Jeff, where are you?!
> >
> > This would make the flight a triple module flight.
> >
> > Paul
> >
>
>
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3948. Re: [tvnsp] Status, 5 Sept

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-05 16:13:33 UTC
From: John Knapp
Topic: 3940 Message: 3948

That is why I want someone to check on my figures. It
looks like the winds might be better in the afternoon.

JohnK
--- verhap@... wrote:
> We can't fly over the airbase. Don't forget,
> there's a bombing range
> out there that we have to avoid also. Is it
> possible to launch further
> north and east and skirt Mt. Home?
>
> Paul
>
> > A thought, and I need someone to verify the
> figures,
> > but if we launch from Riddle, Id., south of
> Bruneau,
> > the landing would be app. 10 miles nw of Mt. Home.
> I
> > used a hieght of 90,000ft, ascent of 1400fpm, and
> > descent of 1200fpm. I am not sure if this would
> over
> > fly the airbase but we will need to be careful
> with
> > our prediction. I will do some more when I have
> time,
> > but work is calling.
> >
> > Someone else try this to confirm my thought.
> >
> > JohnK
> > --- verhap@... wrote:
> > > > I was under the impression we were flying his
> APRS
> > > > along with the ATV, we had talked about having
> two
> > > > APRS on every flight.
> > >
> > > That would be fine. Jeff, where are you?!
> > >
> > > This would make the flight a triple module
> flight.
> > >
> > > Paul
> > >

> >
> >
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3949. Winds Aloft

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-05 17:34:55 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3949 Message: 3949

John, where are you getting the winds aloft data?

Paul

3950. Re: TV02F

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-05 16:47:19 UTC
From: kd7pit
Topic: 3904 Message: 3950

> If the group needs another laptop, i would be glad to let you borrow mine. You could use your HT for the tracker.

Ya, that would be great. I don't know what kind of setup John the Younger has, but I'm sure we can find a use for it. I have a PC data cable for my Kenwood and the etrex hooks into my HT so we are good there. If we do need it, perhaps I could run over there sometime Friday to grab it. Also, could I borrow a couple HT batts just in case we go for a hike. I keep having reaccuring dreams (or nightmares) about Davis Mt. Thanks Randy.

Justin, KD7PIT

3951. [tvnsp] Re: TV02F

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-05 16:57:37 UTC
From: Randy Farley
Topic: 3904 Message: 3951

Never can have too many trackers.
Drop by anytime after 3:00 pm Justin.

I will need my laptop back by Sunday
for an emergency project.

>>> J_Formolo@... 09/05/02 10:47AM >>>
> If the group needs another laptop, i would be glad to let you
borrow mine. You could use your HT for the tracker.

Ya, that would be great. I don't know what kind of setup John the
Younger has, but I'm sure we can find a use for it. I have a PC data
cable for my Kenwood and the etrex hooks into my HT so we are good
there. If we do need it, perhaps I could run over there sometime
Friday to grab it. Also, could I borrow a couple HT batts just in
case we go for a hike. I keep having reaccuring dreams (or
nightmares) about Davis Mt. Thanks Randy.

Justin, KD7PIT

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3952. Bruneau Dunes TV02F Slumber Party

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-05 17:07:14 UTC
From: kd7pit
Topic: 3952 Message: 3952

I was just wondering what we are going to do Friday night so I can prepare appropriately. After the presentation, are we going to look at stars, sleep, get up, launch or stay up burning the midnight oil into the next day? I'm guessing it will be chilly so sweats and jackets are a must? Do we need a tent or something? I'm sure we can all fit in John's new bus, Oh I mean SUV. :-) And since I have come to associate FRR's with Chinese food over the years (I think they call it Classical Conditioning: show dog food, the stimulus; dog salivates, the response) I feel it's only appropriate to take carry out. All in favor say I. Sorry for the gibberish, I'll shut up and go to my corner now.

Justin "rantings of a sleep deprived college student" Formolo a.k.a. KD7PIT

3953. Re: [tvnsp] Winds Aloft

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-05 17:11:13 UTC
From: John Knapp
Topic: 3949 Message: 3953

http://gus.arlhq.noaa.gov/ready/cmet.html

and

http://weather.unisys.com/aviation/4panel.html

JohnK
--- verhap@... wrote:
> John, where are you getting the winds aloft data?
>
> Paul
>

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3954. Re: [tvnsp] Bruneau Dunes TV02F Slumber Party

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-05 19:08:19 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3952 Message: 3954

> I was just wondering what we are going to do Friday night so I can
> prepare appropriately. After the presentation, are we going to look
> at stars, sleep, get up, launch or stay up burning the midnight oil
> into the next day? I'm guessing it will be chilly so sweats and
> jackets are a must? Do we need a tent or something? I'm sure we can
> all fit in John's new bus, Oh I mean SUV. :-) And since I have come
> to associate FRR's with Chinese food over the years (I think they
> call it Classical Conditioning: show dog food, the stimulus; dog
> salivates, the response) I feel it's only appropriate to take carry
> out. All in favor say I. Sorry for the gibberish, I'll shut up and
> go to my corner now.

Here's what I think we ought to do.
First, send an email virus to Saddam Hussein, then.., opps, wrong
plan.

We'll hold the FRR in early in the afternoon, before the
presentation. I'm trying to contact Bruneau to make sure we'll have
access to a networked PC. The final driving plan etc will be
determined before the presentation at 8:30. I was going to do
dinner before I left, but I don't mind eating out. Is there something
in Bruneau?

If we're launching close by, then I'll stay the night. If we launch in
Oregon, I'll drive home for the night.

I'll sleep under the stars on Saturday night and possibly Friday
night. There'll be open 'scopes all night, you just wonder from
scope to scope. I plan to bring mine on Friday night, even if I don't
stay Friday night. I may have to load some launch gear in
someone else's car.

Paul

3955. Re: [tvnsp] Winds Aloft

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-05 19:25:22 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3949 Message: 3955

Thanks.
I had the MRF site, but nothing to use to download text data.

Paul

> http://gus.arlhq.noaa.gov/ready/cmet.html
>
> and
>
> http://weather.unisys.com/aviation/4panel.html

3956. Re: [tvnsp] Bruneau Dunes TV02F Slumber Party

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-05 18:31:23 UTC
From: Mike Garske
Topic: 3952 Message: 3956

Are we still a go with setting up a mission control at Bruneau? If I am to be helping out there at mission control, someone else will have to carry the helium tanks. If so, then I will spend the night at Bruneau Friday night. If not, I will be with the chase crew. John the Elder, did you get the trailer from the Snake River group?

Mike KC7DPD

----- Original Message -----
From: "kd7pit" <J_Formolo@...>
To: <tvnsp@yahoogroups.com>
Sent: Thursday, September 05, 2002 11:07 AM
Subject: [tvnsp] Bruneau Dunes TV02F Slumber Party

> I was just wondering what we are going to do Friday night so I can
> prepare appropriately. After the presentation, are we going to look
> at stars, sleep, get up, launch or stay up burning the midnight oil
> into the next day? I'm guessing it will be chilly so sweats and
> jackets are a must? Do we need a tent or something? I'm sure we can
> all fit in John's new bus, Oh I mean SUV. :-) And since I have come
> to associate FRR's with Chinese food over the years (I think they
> call it Classical Conditioning: show dog food, the stimulus; dog
> salivates, the response) I feel it's only appropriate to take carry
> out. All in favor say I. Sorry for the gibberish, I'll shut up and
> go to my corner now.
>
> Justin "rantings of a sleep deprived college student" Formolo a.k.a.
> KD7PIT
>
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3957. Re: [tvnsp] Bruneau Dunes TV02F Slumber Party

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-05 18:42:50 UTC
From: John Knapp
Topic: 3952 Message: 3957

No I haven't. Turns out it doesn't have any brakes and
I would tow it that far without brakes. Also, we are
still up in the air about launch site. If we do launch
in Burns Junction we will not be going to Bruneau.

JohnK
--- Mike Garske <kc7dpd@...> wrote:
> Are we still a go with setting up a mission control
> at Bruneau? If I am to
> be helping out there at mission control, someone
> else will have to carry the
> helium tanks. If so, then I will spend the night at
> Bruneau Friday night. If
> not, I will be with the chase crew. John the Elder,
> did you get the trailer
> from the Snake River group?
>
> Mike KC7DPD
>
>
> ----- Original Message -----
> From: "kd7pit" <J_Formolo@...>
> To: <tvnsp@yahoogroups.com>
> Sent: Thursday, September 05, 2002 11:07 AM
> Subject: [tvnsp] Bruneau Dunes TV02F Slumber Party
>
>
> > I was just wondering what we are going to do
> Friday night so I can
> > prepare appropriately. After the presentation,
> are we going to look
> > at stars, sleep, get up, launch or stay up burning
> the midnight oil
> > into the next day? I'm guessing it will be chilly
> so sweats and
> > jackets are a must? Do we need a tent or
> something? I'm sure we can
> > all fit in John's new bus, Oh I mean SUV. :-) And
> since I have come
> > to associate FRR's with Chinese food over the
> years (I think they
> > call it Classical Conditioning: show dog food, the
> stimulus; dog
> > salivates, the response) I feel it's only
> appropriate to take carry

> > out. All in favor say I. Sorry for the
> gibberish, I'll shut up and
> > go to my corner now.
> >
> > Justin "rantings of a sleep deprived college
> student" Formolo a.k.a.
> > KD7PIT
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3958. Re: [tvnsp] Winds Aloft

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-05 18:44:23 UTC
From: John Knapp
Topic: 3949 Message: 3958

I believe the instructions are from Hank in an earlier
email (like several months ago). If I see you today I
will go through the procedure with you.

JohnK
--- verhap@... wrote:
> Thanks.
> I had the MRF site, but nothing to use to download
> text data.
>
> Paul
>
> > http://gus.arlhq.noaa.gov/ready/cmet.html
> >
> > and
> >
> > http://weather.unisys.com/aviation/4panel.html
>
>

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3959. Re: [tvnsp] Bruneau Dunes TV02F Slumber Party

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-05 18:46:22 UTC
From: John Knapp
Topic: 3952 Message: 3959

I really need to proof read better. I won't pull it
that far without brakes. Also, haven't been able to
talk to Don (a board member who was at the last TVNSP
meeting) about this weekend yet.

JohnK
--- John Knapp <kd7hgs@...> wrote:
> No I haven't. Turns out it doesn't have any brakes
> and
> I would tow it that far without brakes. Also, we are
> still up in the air about launch site. If we do
> launch
> in Burns Junction we will not be going to Bruneau.
>
> JohnK
> --- Mike Garske <kc7dpd@...> wrote:
> > Are we still a go with setting up a mission
> control
> > at Bruneau? If I am to
> > be helping out there at mission control, someone
> > else will have to carry the
> > helium tanks. If so, then I will spend the night
> at
> > Bruneau Friday night. If
> > not, I will be with the chase crew. John the
> Elder,
> > did you get the trailer
> > from the Snake River group?
> >
> > Mike KC7DPD
> >
> >
> > ----- Original Message -----
> > From: "kd7pit" <J_Formolo@...>
> > To: <tvnsp@yahoogroups.com>
> > Sent: Thursday, September 05, 2002 11:07 AM
> > Subject: [tvnsp] Bruneau Dunes TV02F Slumber Party
> >
> >
> > > I was just wondering what we are going to do
> > Friday night so I can
> > > prepare appropriately. After the presentation,
> > are we going to look
> > > at stars, sleep, get up, launch or stay up
> burning

> > the midnight oil
> > > into the next day? I'm guessing it will be
> chilly
> > so sweats and
> > > jackets are a must? Do we need a tent or
> > something? I'm sure we can
> > > all fit in John's new bus, Oh I mean SUV. :-)
> And
> > since I have come
> > > to associate FRR's with Chinese food over the
> > years (I think they
> > > call it Classical Conditioning: show dog food,
> the
> > stimulus; dog
> > > salivates, the response) I feel it's only
> > appropriate to take carry
> > > out. All in favor say I. Sorry for the
> > gibberish, I'll shut up and
> > > go to my corner now.
> > >
> > > Justin "rantings of a sleep deprived college
> > student" Formolo a.k.a.
> > > KD7PIT
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3960. Re: [tvnsp] Bruneau Dunes TV02F Slumber Party

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-05 18:47:23 UTC
From: Mike Garske
Topic: 3952 Message: 3960

Ok, so it sounds like I will plan on chasing then.....I might show my face
in Bruneau for the astronomy!

Mike KC7DPD

----- Original Message -----
From: "John Knapp" <kd7hgs@...>
To: <tvnsp@yahoogroups.com>
Sent: Thursday, September 05, 2002 12:42 PM
Subject: Re: [tvnsp] Bruneau Dunes TV02F Slumber Party

> No I haven't. Turns out it doesn't have any brakes and
> I would tow it that far without brakes. Also, we are
> still up in the air about launch site. If we do launch
> in Burns Junction we will not be going to Bruneau.
>
> JohnK
> --- Mike Garske <kc7dpd@...> wrote:
> > Are we still a go with setting up a mission control
> > at Bruneau? If I am to
> > be helping out there at mission control, someone
> > else will have to carry the
> > helium tanks. If so, then I will spend the night at
> > Bruneau Friday night. If
> > not, I will be with the chase crew. John the Elder,
> > did you get the trailer
> > from the Snake River group?
> >
> > Mike KC7DPD
> >
> >
> > ----- Original Message -----
> > From: "kd7pit" <J_Formolo@...>
> > To: <tvnsp@yahoogroups.com>
> > Sent: Thursday, September 05, 2002 11:07 AM
> > Subject: [tvnsp] Bruneau Dunes TV02F Slumber Party
> >
> >
> > > I was just wondering what we are going to do
> > Friday night so I can
> > > prepare appropriately. After the presentation,
> > are we going to look
> > > at stars, sleep, get up, launch or stay up burning
> > the midnight oil
> > > into the next day? I'm guessing it will be chilly
> > so sweats and

> > > jackets are a must? Do we need a tent or
> > something? I'm sure we can
> > > all fit in John's new bus, Oh I mean SUV. :-) And
> > since I have come
> > > to associate FRR's with Chinese food over the
> > years (I think they
> > > call it Classical Conditioning: show dog food, the
> > stimulus; dog
> > > salivates, the response) I feel it's only
> > appropriate to take carry
> > > out. All in favor say I. Sorry for the
> > gibberish, I'll shut up and
> > > go to my corner now.
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> > > Justin "rantings of a sleep deprived college
> > student" Formolo a.k.a.
> > > KD7PIT
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3961. Re: [tvnsp] Bruneau Dunes TV02F Slumber Party

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-05 19:57:20 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3952 Message: 3961

> Are we still a go with setting up a mission control at Bruneau? If I am to
> be helping out there at mission control, someone else will have to carry the
> helium tanks. If so, then I will spend the night at Bruneau Friday night. If
> not, I will be with the chase crew. John the Elder, did you get the trailer
> from the Snake River group?

We'll have a Mission control at the park. I just talked with them,
they'd like to have it indoors and have use project images on the
wall with their LCD projector. They're very excited about the launch.

I think Jeff volunteered to operate MC, but I don't recall for sure.
We need to make sure we have enough people (6?) to safely
launch the the stack.

Paul

3962. Re: [tvnsp] Winds Aloft

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-05 19:59:09 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3949 Message: 3962

I'll stop by after 5:00. are they still doing construction over that
way? What's the best way to get there from here?

Paul

> I believe the instructions are from Hank in an earlier
> email (like several months ago). If I see you today I
> will go through the procedure with you.
>
> JohnK
> --- verhap@... wrote:
> > Thanks.
> > I had the MRF site, but nothing to use to download
> > text data.
> >
> > Paul
> >
> > > http://gus.arlhq.noaa.gov/ready/cmet.html
> > >
> > > and
> > >
> > > http://weather.unisys.com/aviation/4panel.html
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3963. Re: [tvnsp] Bruneau Dunes TV02F Slumber Party

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-05 20:00:36 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3952 Message: 3963

> Ok, so it sounds like I will plan on chasing then.....I might show my face
> in Bruneau for the astronomy!

Mike, can you help set up the MC, join in the FRR, and help with
the presentation on Friday evening? If we don't launch locally, then
I'll head home after all of that.

Paul

3964. Re: [tvnsp] Bruneau Dunes TV02F Slumber Party

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-05 19:04:35 UTC
From: Mike Garske
Topic: 3952 Message: 3964

Yeah, I can do that.....I can help set up, but not run it? Unless someone transports the helium to the launch site....if nobody else can do that, then I will be part of the launch/chase/recovery crew!!

I am flexible!

Mike KC7DPD

----- Original Message -----
From: <verhap@...>
To: <tvnsp@yahoogroups.com>
Sent: Thursday, September 05, 2002 2:00 PM
Subject: Re: [tvnsp] Bruneau Dunes TV02F Slumber Party

> > Ok, so it sounds like I will plan on chasing then.......I might show my face
> > in Bruneau for the astronomy!
>
> Mike, can you help set up the MC, join in the FRR, and help with
> the presentation on Friday evening? If we don't launch locally, then
> I'll head home after all of that.
>
> Paul
>
>
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3965. Mission Control

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-05 19:17:24 UTC
From: Mike Garske
Topic: 3965 Message: 3965

What do we have for equipment to set up at Bruneau? Or better yet, what do we need to have down there? I could get really busy and prep on of these PCs we have to set up down there for MC. Lemme know!

Mike KC7DPD

3966. Re: [tvnsp] Winds Aloft

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-05 19:30:39 UTC
From: John Knapp
Topic: 3949 Message: 3966

Sounds good. The construction is done. Not sure where
you are located but the easiest way is to hit Ustick,
go west on Ustick to Locust Grove, turn north (right
if heading west). Paradise Ln is about a half mile on
the right, we are the third house on the left.

JohnK
--- verhap@... wrote:
> I'll stop by after 5:00. are they still doing
> construction over that
> way? What's the best way to get there from here?
>
> Paul
>
> > I believe the instructions are from Hank in an
> earlier
> > email (like several months ago). If I see you
> today I
> > will go through the procedure with you.
> >
> > JohnK
> > --- verhap@... wrote:
> > > Thanks.
> > > I had the MRF site, but nothing to use to
> download
> > > text data.
> > >
> > > Paul
> > >
> > > > http://gus.arlhq.noaa.gov/ready/cmet.html
> > > >
> > > > and
> > > >
> > > > http://weather.unisys.com/aviation/4panel.html
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3967. Re: [tvnsp] Bruneau Dunes TV02F Slumber Party

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-05 20:40:17 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3952 Message: 3967

> Yeah, I can do that.....I can help set up, but not run it? Unless someone
> transports the helium to the launch site....if nobody else can do that, then
> I will be part of the launch/chase/recovery crew!!

As long as there's enough people to launch the balloon and carry
the helium, I'm pretty flexible as to what people want to do.

> I am flexible!

A sign that you're a part of TVNSP!

Paul

3968. Re: [tvnsp] Mission Control

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-05 20:42:35 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3965 Message: 3968

> What do we have for equipment to set up at Bruneau? Or better yet, what do
> we need to have down there? I could get really busy and prep on of these PCs
> we have to set up down there for MC. Lemme know!

I think Jeff was going to set up his laptop and run a radio. I plan to
bring a TV/VCR and have MC run videos (TVNSP's greatest hits).

Where is that Jeff now that we need him!?

Paul

3969. Amateur Mars Satellite

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-05 21:58:48 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3969 Message: 3969

Check out the report on AMSAT P5A.

http://www.amsat-dl.org/p3ep5a.htm

Paul

3970. Re: [tvnsp] Mission Control

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-06 00:00:34 UTC
From: Rick Widmer
Topic: 3965 Message: 3970

verhap@... wrote:
> I think Jeff was going to set up his laptop and run a radio. I plan to
> bring a TV/VCR and have MC run videos (TVNSP's greatest hits).

If you are talking about the Steel Reece (classroom) by the observatory, we have a TV separate from the projector, and VHS and 8mm VCRs available. I could even come up with two projectors, if that was needed.

There may be a problem with elevation placing mission control there. The observatory and Steel Reece building are in a depression about 60-100 feet lower than the surrounding terrain. Cell phone coverage is poor to non-existant near the building and observatory. I don't know about 2m.

How big is the Snake River group's trailer? I'm coming from Twin Falls, and might be able to transport it to Bruneau.

Rick

3971. Helium

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-06 01:49:31 UTC
From: John Knapp
Topic: 3965 Message: 3971

Paul and I have figured we will need two full tanks of Helium for the launch. We will leave the partials in Boise, so Mike, please pick up two full ones.

Remind them that Paul will be there Monday to pay for everything, so if you need welding gas go for it....

We are looking at a launch from between Grasmere and Riddle, with a landing north of Highway 20, west of Corral. We can stay the night at Bruneau Dunes and will go south on Highway 51 for the launch. We will have to leave at 4am if we launch at 6am.

We will able to do ATV since the flight will be within six miles of the Park.

We will not have a eating meeting, we will meet around 7:00pm at the Picnic Shelter at the park. Look for the telescopes.

Paul will be down there about 4:30 or so.

Thanks
JohnK and Paul

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3972. Need help with data cable

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-06 02:54:49 UTC
From: kd7pit
Topic: 3972 Message: 3972

I was wondering if there will be any time for someone to help me solder my cable that goes between my etrex and Kenwood HT? My home-brew became un-brewed while I was in Boise today. The cable has the etrex e-plug on one end and the 2.5mm phono plug for the TNC on the Kenwood and a cig power plug on a third end. The break is between the GPS and HT part. Thanks

Justin, KD7PIT

3973. I'm back and other stuff.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-06 03:29:21 UTC
From: Jeff Melanson
Topic: 3973 Message: 3973

Hi all,

I've caught up on reading a large amount of email and I'm a little confused. I didn't get a clear picture as to what the plan is so I'll tell you where I can help. I plan on coming to the observatory Friday and spending the night. I won't be able to chase so I will help with mission control. I will be leaving around 1 or 2 pm on Saturday. That should be plenty of time for the flight.

It wasn't clear to me what will be flown or what the capsules weigh or even what size balloon is to be used so I am unable to help with predictions.

I will have my tracking equipment with me. If you want me to use my equipment for the tracking station I need a 110 volt outlet. I only have my magnetic mount antenna that I use on top of my truck. I have no idea where we would put that. Keep in mind it has a short coax, maybe 15 feet. Perhaps one of you has a better antenna setup. Rick said we will be in a hole and therefore we may have problems.

Someone mentioned a projection screen. I have no idea if my laptop can interface to it since my only comm. port is used for the TNC. The printer port is open. Does this require some software? Perhaps someone has a laptop that will do the job.

Jeff

3974. Re: [tvnsp] Helium

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-06 04:07:22 UTC
From: Mike Garske
Topic: 382 Message: 3974

Sounds good, I plan on being in Bruneau by 6pm at the latest....got a class at work to attend, yay!!

See ya tomorrow!

Mike KC7DPD

3975. 2 M from Bruneau

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-06 04:18:54 UTC
From: Russ Dunn
Topic: 3975 Message: 3975

Rick & Gang,

Here are some ideas when transmitting from remote areas, possibly marginal. 2M from Bruneau could be a little spotty into 147.24. The park HQ is in a depression with low hills surrounding it. However, I have gotten out with a handheld at the foot and especially at the top of the sand dunes, which is more open and almost line of sight.

1. You might take a yagi 2M beam antenna if anybody has one. A 35' Radio Shack push up pole sits nicely in the stake of a pickup bed. The signal might have to be "bounced" against an opposing hill. Remember it's FM(agic).

2. Another option is to set up a crossband repeater. Park a vehicle out in the open or on top of the hill. Use 147.24+ on one side and a 440 simplex frequency on the other. Caution: don't run the radio until the battery is dead. The Snake River ham trailer might house such a setup if it's fairly secure from vandalism for a Friday night.

3. There was a repeater NE of Mtn Home on 147.34 . As I recall, the park is shaded from the repeater by mountains.

4. Lastly, ask the State Park how they get out on their radios. Be prepared that they may not know their own frequencies or repeater sites. But they might know the hot spots where they can get out.

Hope that provides some useful options. It would be interesting to hear the results.

Russ
N7SMA

----- Original Message -----
From: "Rick Widmer" <rwidmer@...>
To: <tvnsp@yahoogroups.com>
Sent: Thursday, September 05, 2002 6:00 PM
Subject: Re: [tvnsp] Mission Control

There may be a problem with elevation placing mission control there. The observatory and Steel Reece building are in a depression about 60-100 feet lower than the surrounding terrain. Cell phone coverage is poor to non-existant near the building and observatory. I don't know about 2m.

Rick

3976. Re: [tvnsp] Need help with data cable

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-06 04:39:19 UTC
From: Rick Widmer
Topic: 3972 Message: 3976

kd7pit wrote:
> I was wondering if there will be any time for someone to help me
> solder my cable that goes between my etrex and Kenwood HT? My home-
> brew became un-brewed while I was in Boise today. The cable has the
> etrex e-plug on one end and the 2.5mm phono plug for the TNC on the
> Kenwood and a cig power plug on a third end. The break is between
> the GPS and HT part. Thanks

I can. I will have my tools at the observatory. I'll try to be there
late afternoon, and check in at the star party and observatory.

Bring your schematic.

Rick

3977. RE: [tvnsp] I'm back and other stuff.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-06 05:43:52 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 3973 Message: 3977

Can't say for sure, but some of these projection screens utilize the monitor port where you'd plug in a monitor to the laptop instead of using the laptop's own screen. If that's the case, you should be fine and not need any software, but only need to plug it in and possibly select the screen mode (Fn F7 on my IBM laptop cycles thru LCD, external, both).

As for antennae at mission control, another possibility is to use a wheel base (park the car on the base and drop the mast in the tube) and j-pole with that RS mast mentioned in another post. It's probably already too late to get this to anyone, but I have these two if you want to borrow them. I also have a homebrew 20' or so mast that works well with the two. I'll try to check here in the am in case anyone wants to swing by Nampa and grab them. I trust you guys to return them.

Bill B.

> -----Original Message-----
> Someone mentioned a projection screen. I have no idea if my
> laptop can interface to it since my only comm. port is used
> for the TNC. The printer port is open. Does this require
> some software? Perhaps someone has a laptop that will do the
> job.
>
> Jeff
>

3978. Re: [tvnsp] I'm back and other stuff.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-06 05:06:45 UTC
From: Rick Widmer
Topic: 3973 Message: 3978

Jeff Melanson wrote:

> I will have my tracking equipment with me. If you want me to
> use my equipment for the tracking station I need a 110 volt
> outlet.

110 VAC is pretty easy to find around the park.

> I only have my magnetic mount antenna that I use on
> top of my truck. I have no idea where we would put that.
> Keep in mind it has a short coax, maybe 15 feet. Perhaps one
> of you has a better antenna setup. Rick said we will be in a
> hole and therefore we may have problems.

I've got a 20' section of RG-58 A/U, and a barrel. That should allow us to get the antenna outside, and on the roof. If someone has an antenna with some gain, on a 15'-20' pole it would work MUCH better. I'm not sure what you will have for repeaters in the area.

Another possibility is to put mission control in the visitors center which is much higher, but still near river level, with tall hills marking the old Snake River banks. (Bonneville flood era.)

Both the observatory and the Eagle Cove campground (site of the star party) are in the lowlands of the park.

>
> Someone mentioned a projection screen. I have no idea if my
> laptop can interface to it since my only comm. port is used
> for the TNC. The printer port is open. Does this require
> some software? Perhaps someone has a laptop that will do the
> job.

The projector plugs into a VGA connector, which is pretty common on laptops. (the 15 pin connector, the same size as a 9 pin serial connector)

I will have my laptop there and it does have a VGA output, a single serial and about 1GB free drive space. It is a 233MHZ pentium. If it is needed, bring software. I'm using it for astronomy, and I have Street Atlas 9.0 on it. No APRS. (Yet)

>
> Jeff
>
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3979. Re: [tvnsp] 2 M from Bruneau

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-06 05:09:18 UTC
From: Rick Widmer
Topic: 3975 Message: 3979

Russ Dunn wrote:
> 2. Another option is to set up a crossband repeater. Park a vehicle out in
> the open or on top of the hill. Use 147.24+ on one side and a 440 simplex
> frequency on the other. Caution: don't run the radio until the battery is
> dead. The Snake River ham trailer might house such a setup if it's fairly
> secure from vandalism for a Friday night.

The trailer could be kept at the observatory Friday night, where it
would have someone watching it all night.

3980. Re: [tvnsp] I'm back and other stuff.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-06 14:43:31 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3973 Message: 3980

> I've got a 20' section of RG-58 A/U, and a barrel. That should allow us
> to get the antenna outside, and on the roof. If someone has an antenna
> with some gain, on a 15'-20' pole it would work MUCH better. I'm not
> sure what you will have for repeaters in the area.

Thanks for the help, Rick. I imagine the roof is made of aluminum.
:(

> Another possibility is to put mission control in the visitors center
> which is much higher, but still near river level, with tall hills
> marking the old Snake River banks. (Bonneville flood era.)

We need to see what the state parks plans for us. I imagine they
plan to put us with the ISP. Have you seen their poster on the
launch?

> > Someone mentioned a projection screen. I have no idea if my
> > laptop can interface to it since my only comm. port is used
> > for the TNC. The printer port is open. Does this require
> > some software? Perhaps someone has a laptop that will do the
> > job.

I talked to Wes yesterday. Setting up the laptop at the classroom
appealed to him. He'd like to see us project the maps and data.
Like Rick was saying, they do have a projector there, and if there's
a problem, Rick will have a spare projector (or two). Man, I gotta
me one of those projectors.

The presentation I have is on Power Point. I plan to connect my
laptop to their projector. If that fails, I have the presentation on
diskette.

Rick, thanks for having soldering equipment for Justin. I'm already
at school, so it's too late for me to pick up my stuff.

Paul

3981. Re: [tvnsp] I'm back and other stuff.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-06 13:49:55 UTC
From: John Knapp
Topic: 3973 Message: 3981

Welcome back. I am sure Paul will catch up with you on the flight but we are planning to do a hot launch from Highway 51(?) between Grasmere and Riddle. We are having difficulties with the prediction, Paul and I spent several hours last night working up some different scenerios for the launch. We are hoping the balloon will land somewhere in the vacinity of Highway 20 west of Hill City. It is sounding like we will have plenty of help with Mission Control, we need to have an idea of who can help launch and chase.

Deb and I will be down there in time for the 7:00pm meeting.

JohnK

--- Jeff Melanson <kd7inn@...> wrote:
> Hi all,
>
> I've caught up on reading a large amount of email
> and I'm a
> little confused. I didn't get a clear picture as to
> what the
> plan is so I'll tell you where I can help. I plan on
> coming
> to the observatory Friday and spending the night. I
> won't be
> able to chase so I will help with mission control. I
> will be
> leaving around 1 or 2 pm on Saturday. That should be
> plenty
> of time for the flight.
>
> It wasn't clear to me what will be flown or what the
> capsules weigh or even what size balloon is to be
> used so I
> am unable to help with predictions.
>
> I will have my tracking equipment with me. If you
> want me to
> use my equipment for the tracking station I need a
> 110 volt
> outlet. I only have my magnetic mount antenna that I
> use on
> top of my truck. I have no idea where we would put
> that.

> Keep in mind it has a short coax, maybe 15 feet.
> Perhaps one
> of you has a better antenna setup. Rick said we will
> be in a
> hole and therefore we may have problems.
>
> Someone mentioned a projection screen. I have no
> idea if my
> laptop can interface to it since my only comm. port
> is used
> for the TNC. The printer port is open. Does this
> require
> some software? Perhaps someone has a laptop that
> will do the
> job.
>
> Jeff
>

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3982. Tonight and Tomorrow

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-06 14:49:35 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3982 Message: 3982

Welcome back, Jeff. I hope it all went well.

There's a chance of rain tonight. Tomorrow should be partly cloudy, there is no mention of rain.

Can anyone get Bill's antenna before they leave?

I plan to put the capsules on the launch stand during the presentation.

Jeff, can we use you mini-capsule as a backup tracker for the launch?

I've got a phone card for John the Younger and a Thermochron for Jeff.

Paul

3983. Re: [tvnsp] 2 M from Bruneau

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-06 13:54:08 UTC
From: John Knapp
Topic: 3975 Message: 3983

As far as I have been able to determine, the Snake River Trailer is not an option for this launch. Rick, do you know Don's phone number? Email me off line at jknapp@... or call me at 893-3954 if possible.

JohnK
--- Russ Dunn <n7sma@...> wrote:
> Rick & Gang,
>
> Here are some ideas when transmitting from remote
> areas, possibly marginal.
> 2M from Bruneau could be a little spotty into
> 147.24. The park HQ is in a
> depression with low hills surrounding it. However,
> I have gotten out with a
> handheld at the foot and especially at the top of
> the sand dunes, which is
> more open and almost line of sight.
>
> 1. You might take a yagi 2M beam antenna if anybody
> has one. A 35' Radio
> Shack push up pole sits nicely in the stake of a
> pickup bed. The signal
> might have to be "bounced" against an opposing hill.
> Remember it's
> FM(agic).
>
> 2. Another option is to set up a crossband repeater.
> Park a vehicle out in
> the open or on top of the hill. Use 147.24+ on one
> side and a 440 simplex
> frequency on the other. Caution: don't run the
> radio until the battery is
> dead. The Snake River ham trailer might house such
> a setup if it's fairly
> secure from vandalism for a Friday night.
>
> 3. There was a repeater NE of Mtn Home on 147.34 .
> As I recall, the park is
> shaded from the repeater by mountains.
>
> 4. Lastly, ask the State Park how they get out on
> their radios. Be prepared
> that they may not know their own frequencies or

> repeater sites. But they
> might know the hot spots where they can get out.
>
> Hope that provides some useful options. It would be
> interesting to hear the
> results.
>
> Russ
> N7SMA
>
> ----- Original Message -----
> From: "Rick Widmer" <rwidmer@...>
> To: <tvnsp@yahoogroups.com>
> Sent: Thursday, September 05, 2002 6:00 PM
> Subject: Re: [tvnsp] Mission Control
>
> There may be a problem with elevation placing
> mission control there.
> The observatory and Steel Reece building are in a
> depression about
> 60-100 feet lower than the surrounding terrain.
> Cell phone coverage is
> poor to non-existant near the building and
> observatory. I don't know
> about 2m.
>
> Rick
>
>

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3984. A MAJOR CHANGE OF PLANS!!!

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-06 14:51:45 UTC
From: Mike Garske
Topic: 3984 Message: 3984

Group,

Well, I hate to say this but I cannot make the launch this weekend....my truck was involved in a fender bender this morning at 7:00am, so I will be very busy dealing with the insurance company and all that fun stuff today! I will be able to help out tomorrow from home if possible with predictions and the like if need be.

Someone still has to pick up two tanks of helium from Sheehan's today!

Sorry guys.....

Mike KC7DPD

3985. RE: [tvnsp] Tonight and Tomorrow

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-06 14:57:03 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 3982 Message: 3985

If that's mine, I'm at 809 Davis Avenue, Nampa. Right near the Lion's Park, about a block or two west of the pool. We face Poplar instead of Davis, but the house has a chain link around it, is on the SE corner of the intersection of Davis and Poplar, and has a yard sale going. If I'm not there, I'll set the stuff out and my wife or daughter will be able to let you get it.

I'll check in here again before I take off, in case there are any questions.

73 de Bill B.

> -----Original Message-----
> Can anyone get Bill's antenna before they leave?
>

3986. Re: [tvnsp] A MAJOR CHANGE OF PLANS!!!

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-06 15:59:03 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3984 Message: 3986

Sorry to hear about the accident, glad you weren't hurt.

Okay, how do we do the helium? My car is loaded to the gills, I
can't carry a single tank.

Help!!

Paul

> Group,
>
> Well, I hate to say this but I cannot make the launch this weekend....my truck was involved in a fender bender this morning at 7:00am, so I will be very busy dealing with the insurance company and all that fun stuff today! I will be able to help out tomorrow from home if possible with
predictions and the like if need be.
>
> Someone still has to pick up two tanks of helium from Sheehan's today!

3987. Saylor Creek range

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-06 15:07:18 UTC
From: n9xtn@cox.net
Topic: 3987 Message: 3987

How close is the proposed launch site between Riddle and Grasmere to the Saylor Creek range? I don't have any aeronautical maps of the area, but remember giving weather briefings frequently to B-1s and B-52s into southwest Idaho (I was stationed at Fairchild near Spokane for three years).

Took a quick look at the winds - still forecasted to be 100-110 knots. The low-level winds up to 10-15 kft are pretty light though.

73 de Mark N9XTN

3988. Re: [tvnsp] Saylor Creek range

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-06 16:16:25 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3987 Message: 3988

I don't know where the Saylor Creek Range is located, but
Grasmere is very close to the Nevada border.

Paul

> How close is the proposed launch site between Riddle and Grasmere to the Saylor Creek range? I don't have any aeronautical maps of the area, but remember giving weather briefings frequently to B-1s and B-52s into southwest Idaho (I was stationed at Fairchild near Spokane for three years).
>
> Took a quick look at the winds - still forecasted to be 100-110 knots. The low-level winds up to 10-15 kft are pretty light though.
>
> 73 de Mark N9XTN
>
>
>
>
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>

3989. Re: [tvnsp] A MAJOR CHANGE OF PLANS!!!

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-06 15:32:17 UTC
From: John Knapp
Topic: 3984 Message: 3989

Deb will pick up the tanks today and we will bring
them down with us.

JohnK
--- verhap@... wrote:
> Sorry to hear about the accident, glad you weren't
> hurt.
>
> Okay, how do we do the helium? My car is loaded to
> the gills, I
> can't carry a single tank.
>
> Help!!
>
> Paul
>
> > Group,
> >
> > Well, I hate to say this but I cannot make the
> launch this weekend....my truck was involved in a
> fender bender this morning at 7:00am, so I will be
> very busy dealing with the insurance company and all
> that fun stuff today! I will be able to help out
> tomorrow from home if possible with
> predictions and the like if need be.
> >
> > Someone still has to pick up two tanks of helium
> from Sheehan's today!
>
>

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3990. Re: [tvnsp] A MAJOR CHANGE OF PLANS!!!

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-06 15:34:32 UTC
From: John Knapp
Topic: 3984 Message: 3990

Mike, do you have the tower? do you want us to get it?
What else do we need to pick up from you. Call Deb at
our home.

JohnK
--- Mike Garske <kc7dpd@...> wrote:
> Group,
>
> Well, I hate to say this but I cannot make the
> launch this weekend....my truck was involved in a
> fender bender this morning at 7:00am, so I will be
> very busy dealing with the insurance company and all
> that fun stuff today! I will be able to help out
> tomorrow from home if possible with predictions and
> the like if need be.
>
> Someone still has to pick up two tanks of helium
> from Sheehan's today!
>
> Sorry guys.....
>
> Mike KC7DPD
>
>
>
>

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3991. Re: I'm back and other stuff.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-06 15:40:07 UTC
From: kd7pit
Topic: 3973 Message: 3991

> As for antennae at mission control, another possibility is to use a
> wheel base (park the car on the base and drop the mast in the tube)
> and j-pole with that RS mast mentioned in another post.

Bill,

I live just a few miles/minutes from you here in Nampa (I'm over by Micronpc) and probably can grab that mast stand and the other stuff mentioned. Not sure about the 20 ft mast though unless its colapsible. I drive a 98 Blazer just to give you a sense of the space I have. Is Hans or you going to be around? When is a good time? I still have to run over to Randy's at about 3pm today to grab some gear also.

Justin, KD7PIT

3992. Extra batteries

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-06 15:42:36 UTC
From: kd7pit
Topic: 3992 Message: 3992

Paul,

Do you want me to pick up any extra batteries while I'm out today?
Perhaps a 9v or two :-)

Justin, KD7PIT

3993. Re: [tvnsp] Extra batteries

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-06 17:04:40 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3992 Message: 3993

Hey, I already got them!

Uh, you better pick up one or two, just in case.

Paul "I like batteries" Verhage

> Paul,
>
> Do you want me to pick up any extra batteries while I'm out today?
> Perhaps a 9v or two :-)
>
> Justin, KD7PIT
>
>
>
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>
>
>
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>
>

3994. (Fwd) Re: Saylor Creek

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-06 17:13:58 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3994 Message: 3994

I'm trying to search these sectionals for restricted airspaces. Jeff,
do you know where I could buy aeronautical charts at the airport?
I'll pick up one on my way to Bruneau.

This is Mark's message. We need to look into this before we
launch.

Paul

Found a site with sectionals available

http://www.aeroplanner.com

Grasmere is in the Jarbridge MOA and Riddle is in the Owyhee MOA. There are a couple of restricted areas WNW and ESE of Mountain Home, but I don't think this flight takes you through them.

Also not sure what the rules are regarding flights through MOAs or restricted airspace. Since you're under Part 101 limits, it may not matter.

- Mark

3995. Launch and AFB

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-06 17:55:30 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3995 Message: 3995

I've filed the NOTAM and contacted the tower at the air base. No one had a concern about the flight or the launch point. So we're okay as far as that goes. They both have my phone number if they have any question.

Paul

3996. Jeff's Capsule

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-06 18:03:08 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3996 Message: 3996

Jeff, can we fly your capsule as a backup?

Paul

3997. ATV

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-06 19:07:50 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3997 Message: 3997

The ATV frequency is 434 MHz. That's the input frequency to the
Mt. Harris ATV repeater. I wonder if they'll see our video (at 1 watt,
it may be too weak).

Paul

3998. Re: [tvnsp] (Fwd) Re: Saylor Creek

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-06 18:19:00 UTC
From: Mike Garske
Topic: 3994 Message: 3998

Paul,

I have an aeronautical chart of the area, but it is expired as of November, 2001. I can send it down with John and Deb today if you want it!

Mike KC7DPD

Please check out my new website at www.tvnsp.org !
----- Original Message -----
From: <verhap@...>
To: <tvnsp@yahoogroups.com>
Sent: Friday, September 06, 2002 11:13 AM
Subject: [tvnsp] (Fwd) Re: Saylor Creek

> I'm trying to search these sectionals for restricted airspaces. Jeff,
> do you know where I could buy aeronautical charts at the airport?
> I'll pick up one on my way to Bruneau.
>
> This is Mark's message. We need to look into this before we
> launch.
>
> Paul
>
> Found a site with sectionals available
>
> http://www.aeroplanner.com
>
> Grasmere is in the Jarbridge MOA and Riddle is in the Owyhee MOA. There
are a couple of restricted areas WNW and ESE of Mountain Home, but I don't
think this flight takes you through them.
>
> Also not sure what the rules are regarding flights through MOAs or
restricted airspace. Since you're under Part 101 limits, it may not matter.
>
> - Mark
>
>
>
>
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>
>

3999. RE: [tvnsp] Re: I'm back and other stuff.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-06 18:22:50 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 3973 Message: 3999

Justin,

Mast is in four sections, about 4-5 feet each.. I'm thinking of heading out for some lunch with a friend in a few min (it's 1220 now), but any time you want to swing by you can. Hans may be around, and if not, I'll make sure that my wife and daughter know where the stuff is, and it'll be out and readily available on the porch. I'll let them know you're planning on coming by.

Bill B.

> -----Original Message-----
> From: kd7pit [mailto:J_Formolo@...]
> Sent: Friday, September 06, 2002 9:40 AM
> To: tvnsp@yahoogroups.com
> Subject: [tvnsp] Re: I'm back and other stuff.
>
>
> > As for antennae at mission control, another possibility is to use a
> > wheel base (park the car on the base and drop the mast in the tube)
> > and j-pole with that RS mast mentioned in another post.
>
>
> Bill,
>
> I live just a few miles/minutes from you here in Nampa (I'm over by
> Micronpc) and probably can grab that mast stand and the other stuff
> mentioned. Not sure about the 20 ft mast though unless its
> colapsible. I drive a 98 Blazer just to give you a sense of the
> space I have. Is Hans or you going to be around? When is a good
> time? I still have to run over to Randy's at about 3pm today to grab
> some gear also.
>
> Justin, KD7PIT
>

4000. Re: I'm back and other stuff.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-06 18:36:24 UTC
From: kd7pit
Topic: 3973 Message: 4000

> Justin,
>
> Mast is in four sections, about 4-5 feet each.. I'm thinking of heading out for some lunch with a friend in a few min (it's 1220 now), but any time you want to swing by you can. Hans may be around, and if not, I'll make sure that my wife and daughter know where the stuff is, and it'll be out and readily available on the porch. I'll let them know you're planning on coming by.
>
> Bill B.

Ok, thanks. I'll be over ASAP after I finish the oil change on my rig.

Justin, KD7PIT

4001. Re: [tvnsp] (Fwd) Re: Saylor Creek

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-06 19:38:12 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3994 Message: 4001

Please do. we'll make it a part of the TVNSP library.

Paul
> Paul,
>
> I have an aeronautical chart of the area, but it is expired as of November,
> 2001. I can send it down with John and Deb today if you want it!
>
> Mike KC7DPD

4002. Re: [tvnsp] (Fwd) Re: Saylor Creek

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-06 18:50:10 UTC
From: John Knapp
Topic: 3994 Message: 4002

Paul, Deb will pick up the tower and map from Mike
this afternoon. Anything else we need? We already have
the helium (have gas, will travel).

JohnK
KD7HGS

--- verhap@... wrote:
> Please do. we'll make it a part of the TVNSP
> library.
>
> Paul
> > Paul,
> >
> > I have an aeronautical chart of the area, but it
> is expired as of November,
> > 2001. I can send it down with John and Deb today
> if you want it!
> >
> > Mike KC7DPD
>
>

_____
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4003. Re: [tvnsp] (Fwd) Re: Saylor Creek

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-06 19:55:34 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3994 Message: 4003

I think that's it. So how was Mike and his truck?

Paul

> Paul, Deb will pick up the tower and map from Mike
> this afternoon. Anything else we need? We already have
> the helium (have gas, will travel).
>
> JohnK
> KD7HGS
>
> --- verhap@... wrote:
> > Please do. we'll make it a part of the TVNSP
> > library.
> >
> > Paul
> > > Paul,
> > >
> > > I have an aeronautical chart of the area, but it
> > is expired as of November,
> > > 2001. I can send it down with John and Deb today
> > if you want it!
> > >
> > > Mike KC7DPD
> >
> >
>
>
> _____
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>

4004. Re: [tvnsp] Jeff's Capsule

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-06 19:16:26 UTC
From: Jeff Melanson
Topic: 3996 Message: 4004

Paul,

I will be bringing my capsule and it is flight ready if
needed. If your flying your ATV capsule then you may already
be at the weight limits set by FAR 101.

Jeff

verhap@... wrote:
>
> Jeff, can we fly your capsule as a backup?
>
> Paul
>
>
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4005. Flight 02E Nozzle Lift

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-06 19:42:05 UTC
From: Jeff Melanson
Topic: 4005 Message: 4005

Hi John the younger,

On our last flight you recorded the Nozzle Lift. I don't remember what the target lift was but I do remember that we inadvertantly overfilled the balloon slightly. Can you post those numbers please?

Jeff
KD7INN

4006. TV02F Lift

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-06 20:44:14 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4005 Message: 4006

Jeff and everyone else. We're looking at a hot launch on Saturday.
The nozzle lift will be about 23 pounds, or 10 pounds positive lift.

Paul

4007. Re: [tvnsp] (Fwd) Re: Saylor Creek

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-06 19:53:42 UTC
From: Tim Rynearson
Topic: 3994 Message: 4007
Attachments: 2 described; binary payloads are missing from this source WARC

The "Executive Terminal" at the Boise airport has aeronautical maps for sale

Tim

-------Original Message-------

From: tvnsp@yahoogroups.com
Date: Friday, September 06, 2002 09:47:15 AM
To: tvnsp@yahoogroups.com
Subject: [tvnsp] (Fwd) Re: Saylor Creek

I'm trying to search these sectionals for restricted airspaces. Jeff,
do you know where I could buy aeronautical charts at the airport?
I'll pick up one on my way to Bruneau.

This is Mark's message. We need to look into this before we
launch.

Paul

Found a site with sectionals available

http://www.aeroplanner.com

Grasmere is in the Jarbridge MOA and Riddle is in the Owyhee MOA. There are
a couple of restricted areas WNW and ESE of Mountain Home, but I don't think
this flight takes you through them.

Also not sure what the rules are regarding flights through MOAs or
restricted airspace. Since you're under Part 101 limits, it may not matter.

- Mark

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.

4008. Antenna Mast

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-06 20:20:31 UTC
From: kd7pit
Topic: 4008 Message: 4008

Hi all, I just got Bill's antenna mast so I'll bring that along. I'll be leaving here about 2:30pm to head for Ontario to get Randy's computer and then to the Wal-mart next to him to pick up some batteries. I never been to the dunes before so where are we meeting at? Is there a visitor center or something? I will be monitoring 147.24 if anyone needs to get a hold of me and vice versa. See ya all there!

Justin, KD7PIT

4009. Re: [tvnsp] Antenna Mast

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-06 21:24:19 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4008 Message: 4009

> Hi all, I just got Bill's antenna mast so I'll bring that along.
> I'll be leaving here about 2:30pm to head for Ontario to get Randy's
> computer and then to the Wal-mart next to him to pick up some
> batteries. I never been to the dunes before so where are we meeting
> at? Is there a visitor center or something? I will be monitoring
> 147.24 if anyone needs to get a hold of me and vice versa. See ya
> all there!

Justin, there's a visitor center just after you enter the park. The
ranger at the entrance can give you directions from there.
Basically you'll drive another mile or so from the entrance to the
camp sites. We're at the new site, the one without trees. There
will be a BAS sign near the shelter where you can sign in.

We'll meet at the shelter.

Paul

4010. Re: Antenna Mast

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-06 20:26:14 UTC
From: kd7pit
Topic: 4008 Message: 4010

10-4

Justin

4011. Re: [tvnsp] Flight 02E Nozzle Lift

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-06 21:07:20 UTC
From: John Stone
Topic: 4005 Message: 4011

Will do when I see them again, I was looking at them last night.

John
K7JPS

Jeff Melanson said:
>
>
>
>
> Hi John the younger,
>
> On our last flight you recorded the Nozzle Lift. I don't
> remember what the target lift was but I do remember that we
> inadvertantly overfilled the balloon slightly. Can you post
> those numbers please?
>
> Jeff
> KD7INN

4012. Pre-Flight Readiness Review

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-06 21:17:15 UTC
From: John Stone
Topic: 4012 Message: 4012

I will not be able to leave Caldwell until 1800 so will be late to the PFRR. I have already developed most of the check list based on Pauls configuration posted earlier this week.

John Stone
K7JPS

4013. Re: [tvnsp] (Fwd) Re: Saylor Creek

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-06 21:47:22 UTC
From: Mike Garske
Topic: 3994 Message: 4013
Attachments: 2 described; binary payloads are missing from this source WARC

I will probably go pick up an updated one today. Thanks Tim!

Mike KC7DPD

----- Original Message -----
From: Tim Rynearson
To: tvnsp@yahoogroups.com
Sent: Friday, September 06, 2002 1:53 PM
Subject: Re: [tvnsp] (Fwd) Re: Saylor Creek

The "Executive Terminal" at the Boise airport has aeronautical maps for sale.

Tim

-------Original Message-------

From: tvnsp@yahoogroups.com
Date: Friday, September 06, 2002 09:47:15 AM
To: tvnsp@yahoogroups.com
Subject: [tvnsp] (Fwd) Re: Saylor Creek

I'm trying to search these sectionals for restricted airspaces. Jeff,
do you know where I could buy aeronautical charts at the airport?
I'll pick up one on my way to Bruneau.

This is Mark's message. We need to look into this before we
launch.

Paul

Found a site with sectionals available

http://www.aeroplanner.com

Grasmere is in the Jarbridge MOA and Riddle is in the Owyhee MOA. There are a couple of restricted areas WNW and ESE of Mountain Home, but I don't think this flight takes you through them.

Also not sure what the rules are regarding flights through MOAs or restricted airspace. Since you're under Part 101 limits, it may not matter.

- Mark

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4014. TV02F Flight Prediction

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-07 00:25:25 UTC
From: Mike Garske
Topic: 4014 Message: 4014

Group,

I have a prediction I ran with this mornings soundings, 6 Sept 2002 12z.....here's what I got.

Using 1300 fpm ascent, 1200 fpm descent, 85,000 burst

124.2 Miles Bearing 28.6 degrees.

I talked to John the Elder today, and he said it looks like they will launch from a place called Saddle, between Riddle and Grasmere on Highway 51. If this prediction is true and the winds hold up, that will put the balloon down east of Atlanta up in the mountains!!

Can anyone confirm my fears???

Mike KC7DPD

4015. Callsigns for tomorrow's flight?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-06 23:39:32 UTC
From: Mark Conner
Topic: 4015 Message: 4015

Can someone post the APRS callsigns to be used for tomorrow? I'd like to reverse-gate them locally so I can see it at a local ham flea market.

- Mark

4016. RE: [tvnsp] Callsigns for tomorrow's flight?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-07 00:51:09 UTC
From: K7JPS - John
Topic: 4015 Message: 4016

The only one I can confirm is KD4STH-11, it is the only one that Paul listed on the configuration page. There has been some talk of Jeff running his Arctic Chill capsule which would be KD7INN-11, but there is nothing definite on that one yet.

I decided to watch this one from home as well. It has been a rainy afternoon, and I think that the star party tonight is going to be a disappointment with the cloud cover. It should start clearing tomorrow for a nice view Saturday night.

John Stone
K7JPS

-----Original Message-----
From: Mark Conner [mailto:n9xtn@...]
Sent: Friday, September 06, 2002 17:40
To: TVNSP List
Subject: [tvnsp] Callsigns for tomorrow's flight?

Can someone post the APRS callsigns to be used for tomorrow? I'd like to reverse-gate them locally so I can see it at a local ham flea market.

- Mark

4017. Fw: [tvnsp] How to do a prediction with *predicted weather*

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-07 01:52:39 UTC
From: Mike Garske
Topic: 4017 Message: 4017

Here it is John!

Mike KC7DPD

> Here is Jeff's July 29 TVNSP posting on this subject:
>
> ---
> Flight predictions with forecast winds.
>
> Click on this link:
>
> http://gus.arlhq.noaa.gov/ready/cmet.html
>
> Scroll down to
>
> Forecast Soundings
>
> It's on the left side of the screen. Just to the right of
> this is a pull down menu that says
>
> ----Choose a Forecast Dataset----
>
> Pull down the menu and select
>
> Medium Range Forecast Model (MRF 191 km over Globe)
>
> Type in our 3 letter ID which is boi or go to the bottom of
> the page and enter in the Lat/Lon of the launch site. Click
> on the Next button.
>
> Near the top of the page select
>
> Text listing only
>
> Use the pull down menu to choose the time to plot. For our
> upcoming launch choose
>
> August 03, 2002 at 12 UTC (+___ Hrs)
>
> Go to the bottom of the screen and click on Request Plot.
>
> Cut and paste this entire page into Notepad and save the
> file. Put this into Balloon Track just like we have always
> done and there you have it!
>

> Mark Conner says within 84 hours you can use the AVN model,
> and within 48-60 hours you can use the Eta model.
>
> Now you know how to do it so get crackin!
>
> Jeff
> KD7INN
> ---

4018. Re: [tvnsp] TV02F Flight Prediction

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-07 02:55:30 UTC
From: Mark Conner
Topic: 4014 Message: 4018

This is about what I was seeing earlier today. I did some quick and dirty predictions using tomorrow's forecast winds and got a bearing of about 020 and distance of between 95 and 125 miles (depending on ascent rate). Burst altitude will make little difference to overall track distance unless it happens well below 60kft.

Good luck tomorrow - sounds like it could be a sporting recovery in the forests north of US20.

73 de Mark N9XTN
----- Original Message -----
From: Mike Garske
To: tvnsp@yahoogroups.com
Sent: Friday, September 06, 2002 19:25
Subject: [tvnsp] TV02F Flight Prediction

Group,

I have a prediction I ran with this mornings soundings, 6 Sept 2002 12z.....here's what I got.

Using 1300 fpm ascent, 1200 fpm descent, 85,000 burst

124.2 Miles Bearing 28.6 degrees.

I talked to John the Elder today, and he said it looks like they will launch from a place called Saddle, between Riddle and Grasmere on Highway 51. If this prediction is true and the winds hold up, that will put the balloon down east of Atlanta up in the mountains!!

Can anyone confirm my fears???

Mike KC7DPD

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4019. RE: [tvnsp] TV02F Flight Prediction

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-07 03:36:22 UTC
From: K7JPS - John
Topic: 4014 Message: 4019

Mark, thanks for your help. We are currently having a discussion of flying Jeff's Arctic Chill again. It would be the same configuration as TV02D, and launching it from the State Park. This was a 2.3 lb package (capsule and chute) under a 200g balloon. It might still be a hot launch with an ascent rate of 1500fpm, which liftwin predicts a 33000 burst. This would be under the call KD7INN-11.

John Stone
K7JPS

-----Original Message-----
From: Mark Conner [mailto:n9xtn@...]
Sent: Friday, September 06, 2002 20:56
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] TV02F Flight Prediction

This is about what I was seeing earlier today. I did some quick and dirty predictions using tomorrow's forecast winds and got a bearing of about 020 and distance of between 95 and 125 miles (depending on ascent rate). Burst altitude will make little difference to overall track distance unless it happens well below 60kft.

Good luck tomorrow - sounds like it could be a sporting recovery in the forests north of US20.

73 de Mark N9XTN
----- Original Message -----
From: Mike Garske
To: tvnsp@yahoogroups.com
Sent: Friday, September 06, 2002 19:25
Subject: [tvnsp] TV02F Flight Prediction

Group,

I have a prediction I ran with this mornings soundings, 6 Sept 2002 12z.....here's what I got.

Using 1300 fpm ascent, 1200 fpm descent, 85,000 burst

124.2 Miles Bearing 28.6 degrees.

I talked to John the Elder today, and he said it looks like they will launch from a place called Saddle, between Riddle and Grasmere on Highway 51. If this prediction is true and the winds hold up, that will put the balloon down east of Atlanta up in the mountains!!

Can anyone confirm my fears???

Mike KC7DPD

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4020. TV02F Check List

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-07 03:38:04 UTC
From: K7JPS - John
Topic: 4020 Message: 4020

Here is a link to the check list, I'm sure it won't last long since I had to remove some of my darling daughters pictures to get it on. It doesn't look pretty but it should work.

http://home.rmci.net/laspiedras/TV02F_Checklist/TV02F%20Check%20List.htm

John the proud Papa
K7JPS

4021. TV02F Launch Delay

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-07 12:39:18 UTC
From: K7JPS - John
Topic: 4021 Message: 4021

The group has decided to delay the launch until after this mornings wind data becomes available. A review will be conducted at 8:00 am MDT, so launch will not likely occur before 9:00 am MDT (1500 UTC) The capsule will be using the call sign KD7INN-11.

Mike, would you be able to update the website with a link to find-u for this?

John Stone
K7JPS

4022. Re: [tvnsp] TV02F Launch Delay

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-07 13:08:50 UTC
From: Mike Garske
Topic: 4021 Message: 4022

I will update the web page now....

Mike KC7DPD

----- Original Message -----
From: "K7JPS - John" <k7jps@...>
To: "TVNSP - Treasure Valley Near Space Program" <tvnsp@yahoogroups.com>
Sent: Saturday, September 07, 2002 6:39 AM
Subject: [tvnsp] TV02F Launch Delay

> The group has decided to delay the launch until after this mornings wind
> data becomes available. A review will be conducted at 8:00 am MDT, so
> launch will not likely occur before 9:00 am MDT (1500 UTC) The capsule
will
> be using the call sign KD7INN-11.
>
> Mike, would you be able to update the website with a link to find-u for
> this?
>
> John Stone
> K7JPS
>
>
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>

4023. HF Net

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-07 13:28:38 UTC
From: Harry M
Topic: 4023 Message: 4023

There are several stations close to 7.2535 this morning. What is the alternate freq.?

Harry, KC5TRB
Tulsa

4024. Re: [tvnsp] HF Net

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-07 13:32:20 UTC
From: Mike Garske
Topic: 4023 Message: 4024

Harry, we do not have HF capabilities for the TVNSP flight this morning. but you can track it on our website if you want at www.tvnsp.org We won't be flying before 1500 UTC, we are waiting on the updated wind profile to be available.

Thanks!

Mike KC7DPD

----- Original Message -----
From: "Harry M" <harrymue@...>
To: <tvnsp@yahoogroups.com>
Sent: Saturday, September 07, 2002 7:28 AM
Subject: [tvnsp] HF Net

> There are several stations close to 7.2535 this morning. What is the
> alternate freq.?
>
> Harry, KC5TRB
> Tulsa
>
>
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
>

4025. 12Z Boise sounding

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-07 13:39:10 UTC
From: Mark Conner
Topic: 4025 Message: 4025

Here it is - winds appear to cut off at 264 mb (~34 kft). Looks like about 100 kts from 200 still.

http://weather.uwyo.edu/cgi-bin/sounding?region=naconf&TYPE=TEXT%3ALIST&YEAR=2002&MONTH=09&FROM=0712&TO=0712&STNM=72681&REPLOT=1

- Mark

72681 BOI Boise Observations at 12Z 07 Sep 2002

PRES	HGHT	TEMP	DWPT	RELH	MIXR	DRCT	SKNT	THTA	THTE	THTV
hPa	m	C	C	%	g/kg	deg	knot	K	K	
1000.0	79									
925.0	746									
912.0	874	10.8	9.4	91	8.18	340	4	291.5	315.0	293.0
907.6	914	10.6	9.6	94	8.32	335	4	291.7	315.6	293.1
898.0	1001	10.0	10.0	100	8.65	334	3	292.0	316.8	293.5
875.0	1215	11.2	7.7	79	7.59	330	2	295.4	317.6	296.8
874.6	1219	11.2	7.7	79	7.58	330	2	295.4	317.6	296.8
850.0	1454	10.2	6.2	76	7.04	0	2	296.8	317.6	298.1
812.4	1829	8.1	5.3	83	6.92	320	4	298.4	319.1	299.7
804.0	1916	7.6	5.1	84	6.89	312	5	298.8	319.4	300.1
782.9	2134	5.8	4.2	90	6.67	290	6	299.2	319.1	300.4
755.0	2431	3.4	3.1	98	6.37	275	6	299.7	318.8	300.8
754.3	2438	3.3	3.0	98	6.35	275	6	299.7	318.8	300.8
726.3	2743	0.9	0.2	95	5.37	250	7	300.3	316.5	301.2
700.0	3040	-1.5	-2.6	92	4.54	225	10	300.8	314.7	301.6
685.0	3213	-0.9	-5.8	69	3.64	222	12	303.3		

314.7 304.0
672.9 3353 -2.1 -7.0 69 3.38 220 13 303.5
314.1 304.1
647.3 3658 -4.8 -9.6 69 2.86 230 18 303.9
313.0 304.4
613.0 4086 -8.5 -13.3 68 2.25 230 26 304.4
311.6 304.8
598.8 4267 -8.8 -23.0 31 1.01 230 30 306.0
309.5 306.2
596.0 4303 -8.9 -24.9 26 0.86 230 31 306.4
309.3 306.5
583.0 4473 -10.1 -26.1 26 0.78 230 35 306.9
309.6 307.0
575.5 4572 -11.1 -23.6 35 1.00 230 38 306.8
310.2 307.0
564.0 4727 -12.7 -19.7 56 1.43 225 42 306.8
311.5 307.0
561.0 4768 -12.7 -15.7 78 2.02 224 43 307.2
313.8 307.6
553.0 4877 -12.5 -13.9 90 2.38 220 45 308.7
316.5 309.1
551.0 4905 -12.5 -13.4 93 2.48 219 45 309.0
317.1 309.5
500.0 5640 -16.5 -17.2 94 2.00 200 57 312.9
319.6 313.2
470.4 6096 -19.5 -20.4 93 1.62 195 61 314.7
320.2 315.0
446.0 6493 -22.1 -23.1 92 1.34 197 65 316.2
320.9 316.4
400.0 7290 -26.1 -33.1 52 0.59 200 74 321.0
323.2 321.1
381.8 7620 -28.5 -36.8 45 0.43 200 77 322.1
323.8 322.2
334.0 8571 -35.3 -47.3 28 0.16 197 83 325.4
326.0 325.4
309.0 9108 -39.7 -44.7 59 0.23 195 87 326.5
327.4 326.6
307.4 9144 -39.9 -45.0 58 0.22 195 87 326.8
327.7 326.8
300.0 9310 -40.7 -46.7 52 0.19 195 88 327.9
328.7 327.9
272.0 9969 -44.9 -56.9 25 0.06 199 98 331.1
331.4 331.1
268.4 10058 -45.1 -57.6 23 0.06 200 99 332.0
332.3 332.1
264.0 10168 -45.4 -58.5 22 0.05 200 99 333.2
333.4 333.2
250.0 10530 -46.3 -61.3 17 0.04 337.1
337.3 337.1
200.0 12000 -50.1 -71.1 7 0.01 353.3

353.3 353.3
191.0 12300 -50.1 -72.1 6 0.01 357.9
358.0 357.9
182.0 12615 -50.5 -73.5 5 0.01 362.3
362.3 362.3
173.0 12944 -52.1 -74.1 5 0.01 364.9
365.0 364.9
157.0 13568 -54.5 -77.5 4 0.01 371.1
371.1 371.1
150.0 13860 -54.3 -75.3 6 0.01 376.3
376.4 376.3
140.0 14303 -53.1 -76.1 4 0.01 385.9
386.0 385.9

4026. Re: [tvnsp] HF Net

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-07 13:46:34 UTC
From: Harry M
Topic: 4023 Message: 4026

Thanks Mike! I was refering to the Herrinton launch. I will try to track and use the Rptr from Tulsa.

Harry, KC5TRB

> Harry, we do not have HF capabilities for the TVNSP flight this morning. but
> you can track it on our website if you want at www.tvnsp.org We won't be
> flying before 1500 UTC, we are waiting on the updated wind profile to be
> available.
>
> Thanks!
>
> Mike KC7DPD

4027. Hanks Link

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-07 14:04:12 UTC
From: Mike Garske
Topic: 4027 Message: 4027

http://www.geocities.com/CapeCanaveral/3161/hablic.htm

Hank, if you are monitoring the email, can you tell us where Liftwin 0.3??

Mike KC7DPD

4028. Re: [tvnsp] 12Z Boise sounding

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-07 14:31:18 UTC
From: Mike Garske
Topic: 4025 Message: 4028

Thanks Mark for the heads up, we have been crunching numbers like madmen here!

Mike KC7DPD

----- Original Message -----
From: "Mark Conner" <n9xtn@...>
To: "TVNSP List" <tvnsp@yahoogroups.com>
Sent: Saturday, September 07, 2002 7:39 AM
Subject: [tvnsp] 12Z Boise sounding

> Here it is - winds appear to cut off at 264 mb (~34 kft). Looks
> like about 100 kts from 200 still.
>
> http://weather.uwyo.edu/cgi-bin/sounding?region=naconf&TYPE=TEXT%
> 3ALIST&YEAR=2002&MONTH=09&FROM=0712&TO=0712&STNM=72681&REPLOT=1
>
> - Mark
>
> 72681 BOI Boise Observations at 12Z 07 Sep 2002
> ---
> ------------
> PRES HGHT TEMP DWPT RELH MIXR DRCT SKNT THTA
> THTE THTV
> hPa m C C % g/kg deg knot K
> K K
> ---
> ------------
> 1000.0 79
> 925.0 746
> 912.0 874 10.8 9.4 91 8.18 340 4 291.5
> 315.0 293.0
> 907.6 914 10.6 9.6 94 8.32 335 4 291.7
> 315.6 293.1
> 898.0 1001 10.0 10.0 100 8.65 334 3 292.0
> 316.8 293.5
> 875.0 1215 11.2 7.7 79 7.59 330 2 295.4
> 317.6 296.8
> 874.6 1219 11.2 7.7 79 7.58 330 2 295.4
> 317.6 296.8
> 850.0 1454 10.2 6.2 76 7.04 0 2 296.8
> 317.6 298.1
> 812.4 1829 8.1 5.3 83 6.92 320 4 298.4
> 319.1 299.7
> 804.0 1916 7.6 5.1 84 6.89 312 5 298.8
> 319.4 300.1

> 782.9 2134 5.8 4.2 90 6.67 290 6 299.2
> 319.1 300.4
> 755.0 2431 3.4 3.1 98 6.37 275 6 299.7
> 318.8 300.8
> 754.3 2438 3.3 3.0 98 6.35 275 6 299.7
> 318.8 300.8
> 726.3 2743 0.9 0.2 95 5.37 250 7 300.3
> 316.5 301.2
> 700.0 3040 -1.5 -2.6 92 4.54 225 10 300.8
> 314.7 301.6
> 685.0 3213 -0.9 -5.8 69 3.64 222 12 303.3
> 314.7 304.0
> 672.9 3353 -2.1 -7.0 69 3.38 220 13 303.5
> 314.1 304.1
> 647.3 3658 -4.8 -9.6 69 2.86 230 18 303.9
> 313.0 304.4
> 613.0 4086 -8.5 -13.3 68 2.25 230 26 304.4
> 311.6 304.8
> 598.8 4267 -8.8 -23.0 31 1.01 230 30 306.0
> 309.5 306.2
> 596.0 4303 -8.9 -24.9 26 0.86 230 31 306.4
> 309.3 306.5
> 583.0 4473 -10.1 -26.1 26 0.78 230 35 306.9
> 309.6 307.0
> 575.5 4572 -11.1 -23.6 35 1.00 230 38 306.8
> 310.2 307.0
> 564.0 4727 -12.7 -19.7 56 1.43 225 42 306.8
> 311.5 307.0
> 561.0 4768 -12.7 -15.7 78 2.02 224 43 307.2
> 313.8 307.6
> 553.0 4877 -12.5 -13.9 90 2.38 220 45 308.7
> 316.5 309.1
> 551.0 4905 -12.5 -13.4 93 2.48 219 45 309.0
> 317.1 309.5
> 500.0 5640 -16.5 -17.2 94 2.00 200 57 312.9
> 319.6 313.2
> 470.4 6096 -19.5 -20.4 93 1.62 195 61 314.7
> 320.2 315.0
> 446.0 6493 -22.1 -23.1 92 1.34 197 65 316.2
> 320.9 316.4
> 400.0 7290 -26.1 -33.1 52 0.59 200 74 321.0
> 323.2 321.1
> 381.8 7620 -28.5 -36.8 45 0.43 200 77 322.1
> 323.8 322.2
> 334.0 8571 -35.3 -47.3 28 0.16 197 83 325.4
> 326.0 325.4
> 309.0 9108 -39.7 -44.7 59 0.23 195 87 326.5
> 327.4 326.6
> 307.4 9144 -39.9 -45.0 58 0.22 195 87 326.8
> 327.7 326.8

> 300.0 9310 -40.7 -46.7 52 0.19 195 88 327.9
> 328.7 327.9
> 272.0 9969 -44.9 -56.9 25 0.06 199 98 331.1
> 331.4 331.1
> 268.4 10058 -45.1 -57.6 23 0.06 200 99 332.0
> 332.3 332.1
> 264.0 10168 -45.4 -58.5 22 0.05 200 99 333.2
> 333.4 333.2
> 250.0 10530 -46.3 -61.3 17 0.04 337.1
> 337.3 337.1
> 200.0 12000 -50.1 -71.1 7 0.01 353.3
> 353.3 353.3
> 191.0 12300 -50.1 -72.1 6 0.01 357.9
> 358.0 357.9
> 182.0 12615 -50.5 -73.5 5 0.01 362.3
> 362.3 362.3
> 173.0 12944 -52.1 -74.1 5 0.01 364.9
> 365.0 364.9
> 157.0 13568 -54.5 -77.5 4 0.01 371.1
> 371.1 371.1
> 150.0 13860 -54.3 -75.3 6 0.01 376.3
> 376.4 376.3
> 140.0 14303 -53.1 -76.1 4 0.01 385.9
> 386.0 385.9
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>

4029. TV02F minutes away from launch!

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-07 15:30:21 UTC
From: Mike Garske
Topic: 4029 Message: 4029

Launch crew reports they are filling the balloon.....

You can track the balloon using the link off our webpage at www.tvnsp.org

Mike KC7DPD

4030. Re: [tvnsp] TV02F minutes away from launch!

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-07 15:46:08 UTC
From: Tim Rynearson
Topic: 4029 Message: 4030
Attachments: 2 described; binary payloads are missing from this source WARC

wow....this must REALLY be a HOTTT launch....I just watched it climb 4 thousand feet in about 8 minutes...

Tim

-------Original Message-------

From: tvnsp@yahoogroups.com
Date: Saturday, September 07, 2002 09:03:43 AM
To: tvnsp@yahoogroups.com
Subject: [tvnsp] TV02F minutes away from launch!

Launch crew reports they are filling the balloon.........

You can track the balloon using the link off our webpage at www.tvnsp.org

Mike KC7DPD

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4031. Re: [tvnsp] TV02F minutes away from launch!

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-07 15:54:01 UTC
From: Tim Rynearson
Topic: 4029 Message: 4031
Attachments: 2 described; binary payloads are missing from this source WARC

For those watching on findu.com, the callsign is KD7INN-11.

-------Original Message-------

From: tvnsp@yahoogroups.com
Date: Saturday, September 07, 2002 09:21:32 AM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] TV02F minutes away from launch!

wow....this must REALLY be a HOTTT launch....I just watched it climb 4
thousand feet in about 8 minutes...

Tim

-------Original Message-------

From: tvnsp@yahoogroups.com
Date: Saturday, September 07, 2002 09:03:43 AM
To: tvnsp@yahoogroups.com
Subject: [tvnsp] TV02F minutes away from launch!

Launch crew reports they are filling the balloon.........

You can track the balloon using the link off our webpage at www.tvnsp.org

Mike KC7DPD

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4032. 200 gram Kaymonts may burst much higher than expected

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-07 16:09:01 UTC
From: n1ltv
Topic: 4032 Message: 4032

The TV 02D flight that landed near Midvale went
much higher than predicted.

If today's does similar, we can probably conclude
that they are rated too low by Kaymont.

Hank

4033. KD7INN-11

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-07 16:08:50 UTC
From: Tim Rynearson
Topic: 4033 Message: 4033
Attachments: 2 described; binary payloads are missing from this source WARC

Just crossed over US 20 at about 35K feet, travelling on a northward course at a little over 100 MPH.....

Tim

4034. KD7INN-11

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-07 16:12:08 UTC
From: Tim Rynearson
Topic: 4033 Message: 4034
Attachments: 2 described; binary payloads are missing from this source WARC

Looks like burst occurred at around 44K feet.....currently just north of Anderson Ranch reservoir.

Tim

4035. Re: [tvnsp] KD7INN-11

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-07 16:22:05 UTC
From: Mike Garske
Topic: 4033 Message: 4035
Attachments: 2 described; binary payloads are missing from this source WARC

Thanks Tim, are you listen on the 147.240 also?

Mike KC7DPD
Please check out my new website at www.tvnsp.org !
----- Original Message -----
From: Tim Rynearson
To: tvnsp@yahoogroups.com
Sent: Saturday, September 07, 2002 10:12 AM
Subject: [tvnsp] KD7INN-11

Looks like burst occurred at around 44K feet.....currently just north of Anderson Ranch reservoir.

Tim

_____
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4036. KD7INN-11

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-07 16:20:21 UTC
From: Tim Rynearson
Topic: 4033 Message: 4036
Attachments: 2 described; binary payloads are missing from this source WARC

Looks like touch-down will be about midpoint between Trinity Lakes and Pine.
Hope the recovery team has their mountain goat shoes on.

Tim

4037. KD7INN-11

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-07 16:22:54 UTC
From: Tim Rynearson
Topic: 4033 Message: 4037
Attachments: 2 described; binary payloads are missing from this source WARC

Ope....scratch that last......it changed course to NE and is now headed directly towards Featherville.....still rough terrain, though.

Tim

4038. Re: [tvnsp] KD7INN-11

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-07 16:26:46 UTC
From: Tim Rynearson
Topic: 4033 Message: 4038
Attachments: 2 described; binary payloads are missing from this source WARC

Mike, I'll listen in on 147.24 after it looks like we have touch-down.....I have to use the same radio for voice and APRS.

Tim

-------Original Message-------

From: tvnsp@yahoogroups.com
Date: Saturday, September 07, 2002 09:55:05 AM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] KD7INN-11

Thanks Tim, are you listen on the 147.240 also?

Mike KC7DPD
Please check out my new website at www.tvnsp.org !
----- Original Message -----
From: Tim Rynearson
To: tvnsp@yahoogroups.com
Sent: Saturday, September 07, 2002 10:12 AM
Subject: [tvnsp] KD7INN-11

Looks like burst occurred at around 44K feet.....currently just north of Anderson Ranch reservoir.

Tim

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4039. Re: [tvnsp] KD7INN-11

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-07 16:30:50 UTC
From: Mike Garske
Topic: 4033 Message: 4039
Attachments: 2 described; binary payloads are missing from this source WARC

Are you picking up the balloon?, Chase crew had it at 7200....last report.

Please check out my new website at www.tvnsp.org !
----- Original Message -----
From: Tim Rynearson
To: tvnsp@yahoogroups.com
Sent: Saturday, September 07, 2002 10:26 AM
Subject: Re: [tvnsp] KD7INN-11

Mike, I'll listen in on 147.24 after it looks like we have touch-down.....I have to use the same radio for voice and APRS.

Tim

-------Original Message-------

From: tvnsp@yahoogroups.com
Date: Saturday, September 07, 2002 09:55:05 AM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] KD7INN-11

Thanks Tim, are you listen on the 147.240 also?

Mike KC7DPD
Please check out my new website at www.tvnsp.org !
----- Original Message -----
From: Tim Rynearson
To: tvnsp@yahoogroups.com
Sent: Saturday, September 07, 2002 10:12 AM
Subject: [tvnsp] KD7INN-11

Looks like burst occurred at around 44K feet.....currently just north of Anderson Ranch reservoir.

Tim

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4040. Near real time plot of TV02F current to 26k feet on the descent

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-07 16:35:13 UTC
From: Hank Riley
Topic: 4040 Message: 4040
Attachments: 1 described; binary payloads are missing from this source WARC

Subsequent maps will have the descent in a contrasting
color; this one doesn't.

Hank

MSN Photos is the easiest way to share and print your photos:
http://photos.msn.com/support/worldwide.aspx

4041. Re: [tvnsp] KD7INN-11

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-07 16:37:11 UTC
From: Tim Rynearson
Topic: 4033 Message: 4041
Attachments: 2 described; binary payloads are missing from this source WARC

The last report I received was now ten minutes ago....possibly behind a hill from Cinnabar...almost due East of Paradise Hot Springs about 3.7 miles at 7283 feet, coordinates of 43 32' 37" X 115 20' 44".

Tim

-------Original Message-------

From: tvnsp@yahoogroups.com
Date: Saturday, September 07, 2002 10:03:50 AM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] KD7INN-11

Are you picking up the balloon?, Chase crew had it at 7200....last report.

Please check out my new website at www.tvnsp.org !
----- Original Message -----
From: Tim Rynearson
To: tvnsp@yahoogroups.com
Sent: Saturday, September 07, 2002 10:26 AM
Subject: Re: [tvnsp] KD7INN-11

Mike, I'll listen in on 147.24 after it looks like we have touch-down.....I have to use the same radio for voice and APRS.

Tim

-------Original Message-------

From: tvnsp@yahoogroups.com
Date: Saturday, September 07, 2002 09:55:05 AM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] KD7INN-11

Thanks Tim, are you listen on the 147.240 also?

Mike KC7DPD
Please check out my new website at www.tvnsp.org !
----- Original Message -----
From: Tim Rynearson
To: tvnsp@yahoogroups.com
Sent: Saturday, September 07, 2002 10:12 AM
Subject: [tvnsp] KD7INN-11

Looks like burst occurred at around 44K feet.....currently just north of Anderson Ranch reservoir.

Tim

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4042. 02F final descent plotted down to 7000 feet

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-07 17:00:23 UTC
From: Hank Riley
Topic: 4042 Message: 4042
Attachments: 1 described; binary payloads are missing from this source WARC

The last igated position seems to be 7283 feet. I'll do a
topo map with contours next.

Hank

_____
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4043. Re: [tvnsp] 02F final descent plotted down to 7000 feet

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-07 17:03:37 UTC
From: Mike Garske
Topic: 4042 Message: 4043

Thanks Hank!.....I am at home doing an armchair chase right now.....the balloon was a little hot today!! By the way, do you still have Liftwin 0.3 available?

Mike KC7DPD

----- Original Message -----
From: "Hank Riley" <n1ltv@...>
To: <tvnsp@yahoogroups.com>
Sent: Saturday, September 07, 2002 11:00 AM
Subject: [tvnsp] 02F final descent plotted down to 7000 feet

> The last igated position seems to be 7283 feet. I'll do a
> topo map with contours next.
>
> Hank
>
>
>
> _____
> Send and receive Hotmail on your mobile device: http://mobile.msn.com
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>

4044. Re: 02F final descent plotted down to 7000 feet

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-07 17:45:00 UTC
From: n1ltv
Topic: 4042 Message: 4044

Mike Garske wrote:

> Thanks Hank!.....I am at home doing an armchair chase
> right now.....

I love to hike and backpack in the mountains, so I wish I were there right now in the Sawtooth hiking up the Dog Creek if that's possible for the distance required to reach 02F.

> the balloon was a little hot today!!

It should have been hotter still unfortunately. If I had known a 200 gram was going to be used I would have advised adjusting upward the burst height based upon Jeff's 02D experience.

> By the way, do
> you still have Liftwin 0.3 available?

I was going to get around to that after doing some of these maps. It's been here all along:

http://www.geocities.com/n1ltv/newliftwin.htm

/n1ltv is equivalent to /CapeCanaveral/3161 but is much eaier to remember.

Hank

4045. TV 02F final reported position on topo map

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-07 17:58:37 UTC
From: Hank Riley
Topic: 4045 Message: 4045
Attachments: 1 described; binary payloads are missing from this source WARC

The approximate elevation under the last reported APRS
postion (7300 feet) is 5700 feet. The elevation of Dog Creek
in that vicinity is 5500 feet, and the road that follows the
Boise River passing Dog Creek Campground is 4400 feet.

Note the .7 mile map scale marker in the lower left.

Hank

_____
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4046. Re: TV 02F final reported position on topo map

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-07 18:05:23 UTC
From: n1ltv
Topic: 4045 Message: 4046

One more topo map note: There is a hiking trail
indicated by the thin black line in the upper left.

This trail is closer to the last balloon payload position
than Dog Creek Campground but higher in elevation than
the payload.

Hank

4047. Re: TV 02F final reported position on topo map

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-07 18:06:18 UTC
From: n1ltv
Topic: 4045 Message: 4047

> Note the .7 mile map scale marker in the lower left.

Correction: lower right.

4048. Topozone map

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-07 18:21:34 UTC
From: Mark Conner
Topic: 4048 Message: 4048

http://www.topozone.com/map.asp?z=11&n=4822308&e=633649&s=25&size=m&u=2

The crosshair is at the last position. The last few positions of the balloon indicated a course of about 020 (the GPS course/speed may have been affected by payload swinging, a spiraling chute, etc), and extrapolating that for some additional distance downwind would indicate the landing is perhaps 150-200 yds to the NNE of the 7283' position.

(I see Hank has posted while I was typing)

This map also shows a trail looping around west of the landing site. However, since it appears the balloon has landed in the Dog Creek valley, it may be an easier hike to start at the campground and work NW. The landing is about 2.5 miles from the campground.

73 de Mark N9XTN

4049. SA maps of last positions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-07 18:26:35 UTC
From: Mark Conner
Topic: 4049 Message: 4049
Attachments: 2 described; binary payloads are missing from this source WARC

[Body unavailable in the source archive]

4050. Windy day in the neighborhood

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-07 18:49:30 UTC
From: Hank Riley
Topic: 4050 Message: 4050
Attachments: 1 described; binary payloads are missing from this source WARC

This is the 12 UTC Saturday AVN model analysis plotted.

It shows how the 300 millibar (~30k feet today) winds are
right over Idaho, making it the windiest region (including
a few nearby states) in the United States at jetstream
level. It looks like the very peak of the jet is lined up
over the Idaho western border.

The winds were actually just a little stronger a little
above 30k feet altitude today in Idaho.

Hank

____
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4051. Re: [tvnsp] Re: 02F final descent plotted down to 7000 feet

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-07 18:53:15 UTC
From: Mike Garske
Topic: 4042 Message: 4051

Thanks Hank.......yeah I wish I was there too, but I had a major event happen yesterday, and I had to stay home.

Looking at the data though, it looks if they get within a mile of the balloon, they should pick it up on APRS. If not, the last report position is pretty close to the ground out there.....they should be closing in on it soon, I suspect.

Mike KC7DPD

----- Original Message -----
From: "n1ltv" <n1ltv@...>
To: <tvnsp@yahoogroups.com>
Sent: Saturday, September 07, 2002 11:45 AM
Subject: [tvnsp] Re: 02F final descent plotted down to 7000 feet

> Mike Garske wrote:
>
> > Thanks Hank!.....I am at home doing an armchair chase
> > right now.....
>
> I love to hike and backpack in the mountains, so I wish I
> were there right now in the Sawtooth hiking up the Dog
> Creek if that's possible for the distance required to
> reach 02F.
>
> > the balloon was a little hot today!!
>
> It should have been hotter still unfortunately. If I
> had known a 200 gram was going to be used I would have
> advised adjusting upward the burst height based upon
> Jeff's 02D experience.
>
> > By the way, do
> > you still have Liftwin 0.3 available?
>
> I was going to get around to that after doing some of these
> maps. It's been here all along:
>
> http://www.geocities.com/n1ltv/newliftwin.htm
>
> /n1ltv is equivalent to /CapeCanaveral/3161 but is much
> eaier to remember.
>
> Hank
>

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4052. Dog Creek terrain?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-07 19:11:38 UTC
From: n1ltv
Topic: 4042 Message: 4052

> If not, the last report position is
> pretty close to the ground out there.....they should be
> closing in on it soon, I suspect.

Mike,

I keep thinking of lots of trees. A hike such as this
in mountainous New England terrain would be very time
consuming and difficult due to dense forestation.

Do you have any idea of what this terrain would look
like? Could it be anywhere as easy as Indian Head was
over the Snake for 02E?

By the color coding on the topo maps I'm assuming there
will be some trees, but just how thick I'd have no idea.
I hope there will be pictures of the Dog Creek area for
you to post even without your being in the chase today.

Hank

4053. TV02F Status Update

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-07 19:18:26 UTC
From: Mike Garske
Topic: 4053 Message: 4053

Everyone,

At 11:33am MDT, the chase crews reported they were 6 miles South of Pine, near Anderson Ranch Dam. They reported there was foggy and a little rain in the area.

In case everyone does not know, we flew a 200g Kaymont balloon, with a 2.3lb payload that was only a tracker.

Watch for more updates at the website www.tvnsp.org

Mike KC7DPD

4054. Re: [tvnsp] Dog Creek terrain?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-07 19:19:21 UTC
From: Mike Garske
Topic: 4042 Message: 4054

Hank,

I am not sure if anyone brought a camera for the chase, I hope so too.
This area is covered in pine and Douglas fir trees, so it will be a
challenge to say the least. It is a complete 180 degree change between what
Indian Head Mountain gave us!

Mike KC7DPD

----- Original Message -----
From: "n1ltv" <n1ltv@...>
To: <tvnsp@yahoogroups.com>
Sent: Saturday, September 07, 2002 1:11 PM
Subject: [tvnsp] Dog Creek terrain?

> > If not, the last report position is
> > pretty close to the ground out there.....they should be
> > closing in on it soon, I suspect.
>
> Mike,
>
> I keep thinking of lots of trees. A hike such as this
> in mountainous New England terrain would be very time
> consuming and difficult due to dense forestation.
>
> Do you have any idea of what this terrain would look
> like? Could it be anywhere as easy as Indian Head was
> over the Snake for 02E?
>
> By the color coding on the topo maps I'm assuming there
> will be some trees, but just how thick I'd have no idea.
> I hope there will be pictures of the Dog Creek area for
> you to post even without your being in the chase today.
>
> Hank
>
>
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>
>

4055. Positive Lift!

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-07 20:00:30 UTC
From: Mike Garske
Topic: 4055 Message: 4055

Hank,

For your information, the balloon had 10 lbs nozzle lift, and the highest reported altitude was 46,150 ft. It was a 200g Kaymont. (you know that already!) The payload weight was 2.3 lbs.

Mike KC7DPD

4056. RE: [tvnsp] Flight 02E Nozzle Lift

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-07 21:40:11 UTC
From: K7JPS - John
Topic: 4005 Message: 4056

Jeff and Hank,

For TV02D we had a Kaymont 200g my check list requested 5.3 lb of nozzle lift. But like Jeff said, we overfilled the balloon, I didn't write it down, but seem to remember 5.7 lb of nozzle lift. Since I am not certain of the nozzle lift, I don't feel it is accurate enough for Hank to include in LiftWin, but it does support the theory that Kaymont's numbers are skewed for this balloon. The burst altitude was 52,503 ft. and the total payload weight was 2.3 lb.

I'm beginning to think that I need an additional column in my launch manifest to record predicted vs. actual variables.

John Stone
K7JPS

-----Original Message-----
From: Jeff Melanson [mailto:kd7inn@...]
Sent: Friday, September 06, 2002 13:42
To: tvnsp@yahoogroups.com
Subject: [tvnsp] Flight 02E Nozzle Lift

Hi John the younger,

On our last flight you recorded the Nozzle Lift. I don't remember what the target lift was but I do remember that we inadvertantly overfilled the balloon slightly. Can you post those numbers please?

Jeff
KD7INN

4057. Re: Flight 02E Nozzle Lift

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-08 01:34:48 UTC
From: n1ltv
Topic: 4005 Message: 4057

But like Jeff said, we overfilled the balloon, I didn't write it
> down, but seem to remember 5.7 lb of nozzle lift. Since I am not
certain of
> the nozzle lift, I don't feel it is accurate enough for Hank to
include in
> LiftWin, but it does support the theory that Kaymont's numbers are
skewed
> for this balloon.

John,

Even an approximate fill figure will be better than leaving
the Kaymont numbers alone as they are now. By using the
results TVNSP is getting, predictions can be improved
considerably for the 200 gram Kaymont performance.

Thanks to you and Mike for the lift info.

Hank

4058. TV02F Initial Recovery Report

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-08 11:33:18 UTC
From: Mike Garske
Topic: 4058 Message: 4058

I talked to Justin KD7PIT at 10:30pm MDT on the radio. He reported that they had located the capsule but were unable to recover it due to being caught in a very tall ponderosa pine. The hike in was 2.2 miles with no real trail to walk up on.

I did not receive the final GPS coordinates of the capsules location, but I am sure Justin will fill us in once they are back in town and rested up. The website will be updated tonight after I get home from work!

Mike KC7DPD
www.tvnsp.org

4059. Re: [tvnsp] Re: Flight 02E Nozzle Lift

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-08 16:09:03 UTC
From: John Knapp
Topic: 4005 Message: 4059

The free lift of the balloon was 10 lbs. It was
supposed to burst at 25,000ft. It didn't, going to
44,000ft. To say that Kaymont's numbers are skewed for
this balloon is an understatement. It would also
appear to me the quality control (consistancy of
manufacturing) is also skewed, or better said - nill.

JohnK
KD7HGS

--- n1ltv <n1ltv@...> wrote:
> But like Jeff said, we overfilled the balloon, I
> didn't write it
> > down, but seem to remember 5.7 lb of nozzle lift.
> Since I am not
> certain of
> > the nozzle lift, I don't feel it is accurate
> enough for Hank to
> include in
> > LiftWin, but it does support the theory that
> Kaymont's numbers are
> skewed
> > for this balloon.
>
> John,
>
> Even an approximate fill figure will be better than
> leaving
> the Kaymont numbers alone as they are now. By using
> the
> results TVNSP is getting, predictions can be
> improved
> considerably for the 200 gram Kaymont performance.
>
> Thanks to you and Mike for the lift info.
>
> Hank
>
>

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4060. Re: [tvnsp] Dog Creek terrain?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-08 16:14:02 UTC
From: John Knapp
Topic: 4042 Message: 4060

There was a camera on the hike. Justin had it.
Hopefully when they catchup on some much needed sleep
the pictures will be posted. The terrain was basically
up and down, the slopes where at times 60 degrees on
highly eroded granite.

JohnK
--- Mike Garske <kc7dpd@...> wrote:
> Hank,
>
> I am not sure if anyone brought a camera for the
> chase, I hope so too.
> This area is covered in pine and Douglas fir trees,
> so it will be a
> challenge to say the least. It is a complete 180
> degree change between what
> Indian Head Mountain gave us!
>
> Mike KC7DPD
>
>
> ----- Original Message -----
> From: "n1ltv" <n1ltv@...>
> To: <tvnsp@yahoogroups.com>
> Sent: Saturday, September 07, 2002 1:11 PM
> Subject: [tvnsp] Dog Creek terrain?
>
>
> > > If not, the last report position is
> > > pretty close to the ground out there.....they
> should be
> > > closing in on it soon, I suspect.
> >
> > Mike,
> >
> > I keep thinking of lots of trees. A hike such as
> this
> > in mountainous New England terrain would be very
> time
> > consuming and difficult due to dense forestation.
> >
> > Do you have any idea of what this terrain would
> look
> > like? Could it be anywhere as easy as Indian Head
> was

> > over the Snake for 02E?
> >
> > By the color coding on the topo maps I'm assuming
> there
> > will be some trees, but just how thick I'd have no
> idea.
> > I hope there will be pictures of the Dog Creek
> area for
> > you to post even without your being in the chase
> today.
> >
> > Hank
> >
> >
> >
> >
> > To unsubscribe from this group, send an email to:
> > tvnsp-unsubscribe@egroups.com
> >
> >
> >
> > Your use of Yahoo! Groups is subject to
> http://docs.yahoo.com/info/terms/
> >
> >
> >
>
>
>

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4061. Accident

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-08 16:40:46 UTC
From: John Knapp
Topic: 4042 Message: 4061

I believe I need to let everyone know what happened yesterday afternoon. Deb (my wife), Justin, Paul and I headed after the balloon. Not being as agile or as young as the two mountain goats, Deb and I only covered about an mile and half and waited for the other two to retrieve the balloons. Both groups had HT radios. Going through Pine, the two cars were using Simplex for communications and we happen to have a call from a Ham in Pine. He invited us to stop in for a minute, we talked to him and told him what we were doing and were we were headed.

Back to the chase. When Justin called us that they had found the balloon but could not retreive it, both groups started to head back to the cars. About a mile from the cars Deb fell down a ravine, badly hurting her right knee. Believe it or not, the Ham in Pine was monitoring most of our transmissions, called me (I was still in the ravine), and was able to get help to us. Both Paul and Justing hiked out and were able to lead the recue personnel to us. We made it out right at dusk, about 8:00pm. Deb was taken to the Mt. Home Hospital for evaluation and released. No broken bones, but possible torn legiments. We did not leave the campground where we had parked the cars until about 10:00pm. If no word was received from Justin and Paul because we couldn't get word out until we were back in radio range.

I got home at 2:00am this morning. I got a phone call from the Pine Ham, KG7CN, at 10:00 wondering how Deb was doing. Really nice to have that concern.

I guess there are several lessons learned here. If we leave our vehicles to retrieve a balloon on foot we make sure we are properly equiped. That includes an HT radio in working condition, flashlight, and matches at a minimum.

I wonder what the odds were of finding an Amatuer Radio in Pine, Id. And that person was able to track our communications doing the afternoon as we were walking up the canyon, deep in the radio mts. I was able to comunicate with him while in the ravine. Someone was looking after us.

If I seem angry at Kaymont for inconsistancy in their balloons I believe you will understand it now. Paul, Justin, Jeff and I, with help from Mike and John the younger, spent a lot of time crunching numbers to make sure the balloon would not enter the Jet Stream. We seemed to be doing everything right. Delayed the launch to get the latest info, etc. Oh, and a thanks for Mark for the information on the bad data above 34,000 ft.

John Knapp
KD7HGS

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4062. Re: [tvnsp] Accident

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-08 16:57:08 UTC
From: Zack Clobes
Topic: 4042 Message: 4062

Wow! So I guess you don't want to hear about our recovery where we drove 1/3 of a mile along a railroad service road and walked 300 feet through an open gate to pick up our package? :-)

I hope your wife is doing okay. I think your suggestions for survival equipment is a very valid point in a location such as yours..

Zack Clobes, W0ZC
Project: Traveler

----- Original Message -----
From: "John Knapp" <kd7hgs@...>
To: <tvnsp@yahoogroups.com>
Sent: Sunday, September 08, 2002 11:40 AM
Subject: [tvnsp] Accident

> I believe I need to let everyone know what happened
> yesterday afternoon. Deb (my wife), Justin, Paul and I
> headed after the balloon. Not being as agile or as
> young as the two mountain goats, Deb and I only
> covered about an mile and half and waited for the
> other two to retrieve the balloons. Both groups had HT
> radios. Going through Pine, the two cars were using
> Simplex for communications and we happen to have a
> call from a Ham in Pine. He invited us to stop in for
> a minute, we talked to him and told him what we were
> doing and were we were headed.
>
>
> Back to the chase. When Justin called us that they had
> found the balloon but could not retreive it, both
> groups started to head back to the cars. About a mile
> from the cars Deb fell down a ravine, badly hurting
> her right knee. Believe it or not, the Ham in Pine was
> monitoring most of our transmissions, called me (I
> was still in the ravine), and was able to get help to
> us. Both Paul and Justing hiked out and were able to
> lead the recue personnel to us. We made it out right
> at dusk, about 8:00pm. Deb was taken to the Mt. Home
> Hospital for evaluation and released. No broken bones,
> but possible torn legiments. We did not leave the
> campground where we had parked the cars until about
> 10:00pm. If no word was received from Justin and Paul
> because we couldn't get word out until we were back in
> radio range.
>

> I got home at 2:00am this morning. I got a phone call
> from the Pine Ham, KG7CN, at 10:00 wondering how Deb
> was doing. Really nice to have that concern.
>
> I guess there are several lessons learned here. If we
> leave our vehicles to retrieve a balloon on foot we
> make sure we are properly equiped. That includes an HT
> radio in working condition, flashlight, and matches at
> a minimum.
>
> I wonder what the odds were of finding an Amatuer
> Radio in Pine, Id. And that person was able to track
> our communications doing the afternoon as we were
> walking up the canyon, deep in the radio mts. I was
> able to comunicate with him while in the ravine.
> Someone was looking after us.
>
> If I seem angry at Kaymont for inconsistancy in their
> balloons I believe you will understand it now. Paul,
> Justin, Jeff and I, with help from Mike and John the
> younger, spent a lot of time crunching numbers to make
> sure the balloon would not enter the Jet Stream. We
> seemed to be doing everything right. Delayed the
> launch to get the latest info, etc. Oh, and a thanks
> for Mark for the information on the bad data above
> 34,000 ft.
>
> John Knapp
> KD7HGS
>
>
> _____
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>
> To unsubscribe from this group, send an email to:
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>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>

4063. Kaysam balloons

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-08 17:02:47 UTC
From: Zack Clobes
Topic: 4063 Message: 4063

Don and I both flew Kaysam balloons yesterday - 600g for PT, and 1200g for HABITAT. I never saw Don's remains, but ours definitely did not shear off at the ring as Mark had found on his experiences. We brought the better part of the 600g back with us. Maybe Don can comment on his luck.

The only thing that I noticed was that our 600g had a slight bulge that seemed to be forming on one side, similar to the "premature burst" at GPSL this year. It didn't seem to affect performance though.. we attained our expected burst altitude. My camera batteries were dead when I got there so I didn't get a picture of the bulge - Don did any of your people happen to capture that moment?

BTW: Project: Traveler's flight analysis is now posted at www.rckara.org/project_traveler/ and I am scanning the aerial photos right now.

Zack Clobes, W0ZC
Project: Traveler

4064. Kaysam balloon remains

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-08 17:33:02 UTC
From: Mark Conner
Topic: 4064 Message: 4064
Attachments: 1 described; binary payloads are missing from this source WARC

Attached is a photo of what I got back for my 650g balloon launched in late 2000. This is about 20-25% of the original. Note too the substantially darker color of the Kaysam balloon - it is more of an olive green/brown rather than a light beige or off-white.

73 de Mark N9XTN

4065. Re: [tvnsp] Accident

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-08 17:49:20 UTC
From: John Knapp
Topic: 4042 Message: 4065

I wish yesterday had been that way. It is what we were
hoping for.

JohnK
--- Zack Clobes <zclobes@...> wrote:
> Wow! So I guess you don't want to hear about our
> recovery where we drove
> 1/3 of a mile along a railroad service road and
> walked 300 feet through an
> open gate to pick up our package? :-)
>
> I hope your wife is doing okay. I think your
> suggestions for survival
> equipment is a very valid point in a location such
> as yours..
>
> Zack Clobes, W0ZC
> Project: Traveler
>
> ----- Original Message -----
> From: "John Knapp" <kd7hgs@...>
> To: <tvnsp@yahoogroups.com>
> Sent: Sunday, September 08, 2002 11:40 AM
> Subject: [tvnsp] Accident
>
>
> > I believe I need to let everyone know what
> happened
> > yesterday afternoon. Deb (my wife), Justin, Paul
> and I
> > headed after the balloon. Not being as agile or as
> > young as the two mountain goats, Deb and I only
> > covered about an mile and half and waited for the
> > other two to retrieve the balloons. Both groups
> had HT
> > radios. Going through Pine, the two cars were
> using
> > Simplex for communications and we happen to have a
> > call from a Ham in Pine. He invited us to stop in
> for
> > a minute, we talked to him and told him what we
> were
> > doing and were we were headed.
> >
> >

> > Back to the chase. When Justin called us that they
> had
> > found the balloon but could not retreive it, both
> > groups started to head back to the cars. About a
> mile
> > from the cars Deb fell down a ravine, badly
> hurting
> > her right knee. Believe it or not, the Ham in Pine
> was
> > monitoring most of our transmissions, called me (
> I
> > was still in the ravine), and was able to get help
> to
> > us. Both Paul and Justing hiked out and were able
> to
> > lead the recue personnel to us. We made it out
> right
> > at dusk, about 8:00pm. Deb was taken to the Mt.
> Home
> > Hospital for evaluation and released. No broken
> bones,
> > but possible torn legiments. We did not leave the
> > campground where we had parked the cars until
> about
> > 10:00pm. If no word was received from Justin and
> Paul
> > because we couldn't get word out until we were
> back in
> > radio range.
> >
> > I got home at 2:00am this morning. I got a phone
> call
> > from the Pine Ham, KG7CN, at 10:00 wondering how
> Deb
> > was doing. Really nice to have that concern.
> >
> > I guess there are several lessons learned here. If
> we
> > leave our vehicles to retrieve a balloon on foot
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> > make sure we are properly equiped. That includes
> an HT
> > radio in working condition, flashlight, and
> matches at
> > a minimum.
> >
> > I wonder what the odds were of finding an Amatuer
> > Radio in Pine, Id. And that person was able to
> track
> > our communications doing the afternoon as we were

> > walking up the canyon, deep in the radio mts. I
> was
> > able to comunicate with him while in the ravine.
> > Someone was looking after us.
> >
> > If I seem angry at Kaymont for inconsistancy in
> their
> > balloons I believe you will understand it now.
> Paul,
> > Justin, Jeff and I, with help from Mike and John
> the
> > younger, spent a lot of time crunching numbers to
> make
> > sure the balloon would not enter the Jet Stream.
> We
> > seemed to be doing everything right. Delayed the
> > launch to get the latest info, etc. Oh, and a
> thanks
> > for Mark for the information on the bad data above
> > 34,000 ft.
> >
> > John Knapp
> > KD7HGS
> >
> >
> > _____
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> >
>
>

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4066. RE: [tvnsp] Accident

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-08 18:59:14 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 4042 Message: 4066

I'm really sorry to hear what happened to Deb, and am glad it turned out OK in the end.

I always have a knapsack with me when I hike out that has that and a little more in it. Some other things I would add to your list is to get something like a few (I carry 4) 151 Energy Bars (a fruit bar that's not only good tasting but also does provide energy), water, 100 feet or so of parachute cord, and a knife (preferrably something like the Leatherman). Rather than a flashlight, I carry a candle lantern. All this is lightweight, but valuable in such a situation. I need to add an emergency blanket to my pack, I keep forgetting that. Any time you go into territory like that, or hike out from our vehicles at all during a chase, I agree with you, John: we all need to be prepared for the possibility of having to spend longer than you want or being able to support someone else.

I've been thinking of the radio issue. Here's some random thoughts of mine. The key here was KG7CN. Unfortunately, as you imply, we can't bank on that kind of luck always happening. My first impulse, based on the fact that being deaf I think PACKET, was portable digis that could be dropped along the trail in a situation like this where two remain behind part way and the rest go on. Keeping a very frequent radio check going, you'd learn where to drop the digi. I wonder, can we similarly do a repeater drop? I'm assuming, of course, that the party that goes on will come back the same way and so recover the drops. The bad part of this, obviously, is the need for more gear to alway be carried along on the chase.

73 de Bill, KC7JSD

> -----Original Message-----
> From: John Knapp [mailto:kd7hgs@...]
> Sent: Sunday, September 08, 2002 10:41 AM
> To: tvnsp@yahoogroups.com
> Subject: [tvnsp] Accident
>
>
> I believe I need to let everyone know what happened
> yesterday afternoon. Deb (my wife), Justin, Paul and I
> headed after the balloon. Not being as agile or as
> young as the two mountain goats, Deb and I only
> covered about an mile and half and waited for the
> other two to retrieve the balloons. Both groups had HT
> radios. Going through Pine, the two cars were using
> Simplex for communications and we happen to have a
> call from a Ham in Pine. He invited us to stop in for
> a minute, we talked to him and told him what we were
> doing and were we were headed.

<SNIP>

4067. TV02F Photos

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-09 00:25:57 UTC
From: kd7pit
Topic: 4067 Message: 4067

Mike,

I have finished moving the photos from the digital cam and placed them on a file on my computer. My question to you is how to send them without jamming up your email. I have 44 photos that equal about 2.8 mb. I can send them a few at a time in separate emails or all at once, your choice. I didn't take any more photos after we found the capsule because I was very tired by then and events started to get more serious so no time to snap photos, plus it was dark by then. I did get a few good photos closeup of the capsule dangling at the top of the tree. The sun was over-head so you see more of a silhoette rather than colors but you can see it non the less.

Justin, KD7PIT

4068. Bill's antenna mast

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-09 00:29:38 UTC
From: kd7pit
Topic: 4068 Message: 4068

Bill,

I did grab your antenna and mast last night before heading home. Thankfully someone had already broken it down for me so I didn't have to do it in the dark. From what I heard, it work perfectly so my hat off to you. When can I get it back to you?

Justin, KD7PIT

4069. Traveler and SkyLab tracks (Kansas)

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-09 00:30:43 UTC
From: Hank Riley
Topic: 4069 Message: 4069
Attachments: 1 described; binary payloads are missing from this source WARC

There were 18.6 miles between the starting point for both balloons and SkyLab's last igated position, and for Traveler it was about 14 miles. The last positions igated were pretty close to the landing points.

Hank

_____
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4070. Randy's cam and computer

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-09 00:34:41 UTC
From: kd7pit
Topic: 4070 Message: 4070

Randy,

Sorry I couldn't get your computer back to you before you had to leave today. Didn't get home til 2am then I slept til 3pm, ya I was tired. Anyways, the computer worked great and I believe I was seen all the way up to where we went into the mts. I'm going to look and see if the TNC log is all there here in a minute. As for your camera, that thing is awesome. THe battery lasted forever and I believe it was the only camera that caught the whole event. Thanks again for your support and I'll try to get your stuff back ASAP.

Justin, KD7PIT

4071. TV02F TNC log

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-09 00:47:42 UTC
From: kd7pit
Topic: 4071 Message: 4071

Okay, I have the TNC log in hand. When I opened it, the computer said it was to large for notepad so it used wordpad instead. The log needs some major cleaning up. Where would the group like me to send it?

Justin, KD7PIT

4072. Re: [tvnsp] TV02F Photos

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-09 01:26:31 UTC
From: Mike Garske
Topic: 4067 Message: 4072

Hey Justin, just ship all the pictures to me, 2.8 MB isn't that bad to wait for! Just send it directly to my email: kc7dpd@...

Hope you are still resting up from the hike in.....that didn't sound like a fun hike!

I will get the pictures posted by next week.....

Mike KC7DPD

----- Original Message -----
From: "kd7pit" <J_Formolo@...>
To: <tvnsp@yahoogroups.com>
Sent: Sunday, September 08, 2002 6:25 PM
Subject: [tvnsp] TV02F Photos

> Mike,
>
> I have finished moving the photos from the digital cam and placed
> them on a file on my computer. My question to you is how to send
> them without jamming up your email. I have 44 photos that equal
> about 2.8 mb. I can send them a few at a time in separate emails or
> all at once, your choice. I didn't take any more photos after we
> found the capsule because I was very tired by then and events started
> to get more serious so no time to snap photos, plus it was dark by
> then. I did get a few good photos closeup of the capsule dangling at
> the top of the tree. The sun was over-head so you see more of a
> silhoette rather than colors but you can see it non the less.
>
> Justin, KD7PIT
>
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
>

4073. Re: TV02F Photos

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-09 01:45:53 UTC
From: kd7pit
Topic: 4067 Message: 4073

Photos are on there way. Give it about 15-20 mins to send out. If you need a description of any photo, just give me the name of it and I can look it up and tell you what is going on.

Justin, KD7PIT

4074. Re: TV02F TNC log

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-09 02:23:03 UTC
From: n1ltv
Topic: 4071 Message: 4074

> The log
> needs some major cleaning up. Where would the group like
> me to send it?

Justin,

One possibility is to upload it to the TVNSP file area
at yahoogroups.com.

The advantage to that method compared to mailing it to TVNSP
as an attachment is that some people may not want even
a moderately large file coming into their email accounts.

I have written recently an APRS file extractor that will
clean up your log in a jiffy (I'm using it to produce these
fast balloon track maps). I know Mark also has a program
he found to do file extraction work.

Hank

4075. New file uploaded to tvnsp

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-09 04:00:51 UTC
From: tvnsp@yahoogroups.com
Topic: 794 Message: 4075

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the tvnsp
group.

File : /TV02F APRS Log.txt
Uploaded by : kd7pit <J_Formolo@...>
Description : TV02F TNC Log

You can access this file at the URL

http://groups.yahoo.com/group/tvnsp/files/TV02F%20APRS%20Log.txt

To learn more about file sharing for your group, please visit

http://help.yahoo.com/help/us/groups/files

Regards,

kd7pit <J_Formolo@...>

4076. ATV Crystal

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-09 03:59:29 UTC
From: Harry M
Topic: 4076 Message: 4076

Does anyone have a 54.246915 ATV crystal laying around? I am in need of one.

Thanks!
Harry, KC5TRB

4077. Re: [tvnsp] Bill's antenna mast

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-09 04:16:15 UTC
From: Jeff Melanson
Topic: 4068 Message: 4077

Bill,

Thanks for the use of the antenna and mast. It worked great.

Jeff

kd7pit wrote:
>
> Bill,
>
> I did grab your antenna and mast last night before heading home.
> Thankfully someone had already broken it down for me so I didn't have
> to do it in the dark. From what I heard, it work perfectly so my hat
> off to you. When can I get it back to you?
>
> Justin, KD7PIT
>
>
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>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

4078. Re: [tvnsp] Re: TV02F TNC log

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-09 04:24:04 UTC
From: Jeff Melanson
Topic: 4071 Message: 4078

Justin,

Ditto what Hank said. Upload it to Yahoo Please. I don't know if Mike is making these logs part of the website or not. Maybe he would want a cleaned up version. One thing to watch out for is that the cleaned up version won't have time stamps because the Tiny Track II doesn't transmitt time stamps (a major drawback). The raw data would have time stamps from other stations that would give us estimates of when things happened.

Jeff
KD7INN

n1ltv wrote:
>
> > The log
> > needs some major cleaning up. Where would the group like
> > me to send it?
>
> Justin,
>
> One possibility is to upload it to the TVNSP file area
> at yahoogroups.com.
>
> The advantage to that method compared to mailing it to TVNSP
> as an attachment is that some people may not want even
> a moderately large file coming into their email accounts.
>
> I have written recently an APRS file extractor that will
> clean up your log in a jiffy (I'm using it to produce these
> fast balloon track maps). I know Mark also has a program
> he found to do file extraction work.
>
> Hank
>
>
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>
>
>
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4079. Capsule Retreival

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-09 04:50:16 UTC
From: Jeff Melanson
Topic: 4079 Message: 4079

Hi all,

Today I meet with Paul and John and Deb. We talked about what it would take to retrieve the capsule and made preliminary plans. Later I meet with my brother-in-law and we studied his Delorme Topo Map. There is a much easier way to get into the area than the path the chase crew took. We don't have to do much hill climbing or descending. John Knapp is making reservations at Jade Garden for this Thursday to discuss the flight and detail retrieval plans. I will bring the Delorme Topo Map information. Currently we are thinking that we would drive up to Dog Creek Campground on Friday and stay the night. The next day we will hike in with the needed equipment.
The capsule is hanging from a tree about 50 feet up. Paul suggests we use a 50 to 60 foot pole to snag the parachute. We would carry the pole in in sections and assemble it there. Anybody else have any suggestions?

Jeff
KD7INN

4080. Re: [tvnsp] TV02F TNC log

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-09 14:52:20 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4071 Message: 4080

Here's the cleaned up log that I extracted last night.

So far I have generated graphs on the altitude and ascent rate.
Tonight I'll gen a graph on the wind speeds. I made the
assumption that packets were sent every minute. When I graphed
the ascent rate, there were some anomolous spikes in the data.
After a moment, I realized they indicated where packets hadn't
been recorded. The height of the spikes also indicated how many
packets were lost. I made blank enteries for those packets (don't
create data) and the curves were much smoother. I'll email the
completed spread sheet file tomorrow.

Paul

> Okay, I have the TNC log in hand. When I opened it, the computer
> said it was to large for notepad so it used wordpad instead. The log
> needs some major cleaning up. Where would the group like me to send
> it?
>
> Justin, KD7PIT
>
>
>
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> tvnsp-unsubscribe@egroups.com
>
>
>
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>
>

4081. Re: [tvnsp] Capsule Retreival

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-09 15:03:05 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4079 Message: 4081

> The capsule is hanging from a tree about 50 feet up. Paul
> suggests we use a 50 to 60 foot pole to snag the parachute.
> We would carry the pole in in sections and assemble it
> there. Anybody else have any suggestions?

I hope Justin's pictures will help make the situation a little more clear.

I pulled 5 pieces of 1/4" fiberglass kite rods out of storage. they all have a length of 4 feet, so taping them togather will get use close to 20 feet. I recommend we make these light poles the end of our recovery pole. One person can easily pack them in. The bottom of the pole should also be light, perhaps 1" diameter aluminum. We may also want some additional poles, 10 to 20 feet long to act as fulcrums for the main pole.

Paul "warm up your hiking boots" Verhage

4082. TV02F Rescue

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-09 16:00:29 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4082 Message: 4082

It looks like that trail that Mark and Jeff (and Hank?) have pointed out it a better way to get to the capsule than the one Justn and I took.

Our trail in was very steep and rocky. We kept slipping as we made our way in. The terrain is so rough that we walked for about 3 hours just to cover the 2 miles to the capsule. In most places you can't walk at a constant elevation, there's a lot of ups and downs. The foliage and rocks also make it very difficult to get around. Justin took a couple of pictures on our way in, they'll give you an idea of what we're up against.

The trail we'll take will allow us to keep a fast pace towards the capsule. The one mile we have to cross over land is mostly downhill, so that should also help. We should still plan to spend the better part of the day getting to the capsule and back out again. Someone should be positioned at the end of the trail and be left with a radio. We'll need to carry in GPS recievers and should try to place survey flags as we go. Our ham friend in Pine should also know what we're doing.

My estimate is that the tree is 50 feet tall and has a trunk of 3 feet in diameter. Is anyone familiar with ponderosa pine? Does a 3 foot diameter trunk make sense for a 50 foot tall tree? Last night I went for a walk and found a tree n the neighborhood that I thought was the same size. I walked out until the tree's top was at about a 45 degree angle and paced the distance tot he tree. It was roughly fifty feet, giving me a little more confidence in my estimate. As for our tree, there's one branch that's reachable from the ground. But the next available one is on the other side of the tree, so you can't reach it. The capsule is suspended very close to the top of the tree. It's hanging vertically from the parachute and is located on the outside branches of the tree. The capsule is not buried deep within the branches. You have to stand away from the tree to be able to see it. From my vantage point up the mountain (about 50 feet above the base of the tree) it's easy to see.

I have three tree spikes. Does anyone have a few more? Can we get a harness for climbing the tree? How about a rope? Even if we can't get all the way up, someone still may be able to use the pole to knock the capsule loose.

Another option is to bring a 30 pound bow. We could shoot an arrow with a cord (like you would do to set up an antenna in a tree) between the branches and then pull on the cord to pull the capsule out.

I really think we can pull this off and save Jeff $300. Besides, it would be an awesome adventure for a near space group to accomplish.

Any other ideas or getting the capsule out of the three?

Paul

4083. Re: [KNSP] Kaysam balloons

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-09 15:25:28 UTC
From: Don Pfister
Topic: 4083 Message: 4083

May apologies for the shotgun approach to sending this. I'm trying to hit as many of those birds with this rock as I can. ;-) I didn't do a very good job of notifying everyone, missed some lists etc.

I did my typical quick patch. I'm working on a new page so I can stop this mess. (habitat.netlab.org)

I posted two new items to the top of my web page - a photo of the Kaysam remains as requested - the graphic Ralph made of the 2 SR (Simplex Repeater) QSOs (2nd & 3rd place distance records).

I am working on redoing my web page, sorry for the mess. If you let the page load to the new email list note you should have the two links just above it. You could then click STOP and not load the rest of the page. I cropped the photo a little but haven't made the picture web (slow connect) friendly. I'll try to make progress on this today.

73 for now.

"Don Pfister KA0JLF " wrote:

> Yes, I think we got some pictures - but only from crew members. I didn't
> get one photo. Futher analysis later. I'll see if I can get some of the
> photos, and video.
>
> Don Pfister ("FIST er", like the PFabulous PFacet - name releated but no
> $$;-) KA0JLF
> HABITAT SkyLab
>
> On Sun, 8 Sep 2002, Zack Clobes wrote:
> > Maybe Don can comment on his luck.
> >
> > - Don did any of your people happen to capture that moment?

--

[Signature File]
Name=Don Pfister KA0JLF
PFranc of KS - GPS cables and connectors
http://pfranc.com/cgi-bin/pub/u_KS
http://pfranc.com/cgi-bin/pub/u_KS?pid=ePlug

Founder of HABITAT SkyLab soon to add SeaLab (underwater robotics)
(High Altitude Basic Investigation Testing And Tracking)
Successful HABITAT SkyLab LAUNCH SEPT. 7 AT 10 A.M. CDT see the web sites.
http://www.rckara.org/project_traveler/2002d/analysis/
http://users.crosspaths.net/wallio/RECORDS.html
Email=ka0jlf@... or ka0jlf@... or donp@...

http://habitat.netlab.org
http://www.netlab.org:8888/ Visit the Lab in the Hobby wing. HABITAT being built...

view stations on the web real time (~3 minute updates):
http://www.findu.com/cgi-bin/find.cgi?KA0JLF-11 balloon

4084. Re: [tvnsp] TV02F Rescue

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-09 16:17:42 UTC
From: n9xtn@cox.net
Topic: 4082 Message: 4084

Another option is to bring a 30 pound bow. We could shoot an
arrow with a cord (like you would do to set up an antenna in a tree)
between the branches and then pull on the cord to pull the capsule
out.

I was thinking about this the other night as a means of retrieving a payload out of a tree. If you were able to put the arrow through the shroud lines so you could pull on it, you should be able to bring it down. You may also be able to drag the line across the branch and pull it off, too. You'd need a couple hundred feet of line (and more as a backup in case a miss gets permanently caught) so you could pull down on both ends.

This and the pole seems preferable to climbing a few tens of feet into a tree in the middle of nowhere in Idaho (and potentially falling out of said tree). The main concern I would have with a taped-together pole is being able to tape it securely enough so that it won't bend at a tape splice. Definintely worth testing prior to a day hike.

73 de Mark N9XTN

4085. Re: [tvnsp] TV02F Rescue

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-09 17:27:49 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4082 Message: 4085

> I was thinking about this the other night as a means of retrieving a payload out of a tree.

I'm begining to like this idea best of all. Where's Robin Hood when you need him?

Mark's idea of testing the pole is a good idea also. Perhaps we should meet before Thursday to try it out. Can we meet at someone's house to try it?

As far as falling out of the tree, There's a grassy meadow that's probably large enough to land a Life Flight heliciopter. But let's not do that!

If the capsule had drifted five feet away from the tree, it would have landed in the open.

Paul

4086. Re: [tvnsp] Randy's cam and computer

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-09 16:31:18 UTC
From: Randy Farley
Topic: 4070 Message: 4086

No problem Justin.
I did not need it Sunday. I had my Palm for programming, it is just slower to use than a laptop. I figured you would be in no mood or shape to return it after such a late return Sat. Never had time Sat. to view the event "live",I only reviewed the tracks when i got home in the afternoon.
I always have an alternate backup plan when going to remote digipeater mountain sites. Glad i could help in some small way.

I'm just sad that the group had an injury trying to recover the capsule.
My hat is off to Deb for being such a sport. She is an inspiration to all of us at every balloon launch with her enthusiasm attention to detail.
Hope this incident does not squelch her enthusiasm for future launches.
John is another one of us lucky men to have such a rare woman.

Score this as another learning experience whether it be good or bad.

>>> J_Formolo@... 09/08/02 06:34PM >>>
Randy,

Sorry I couldn't get your computer back to you before you had to leave today. Didn't get home til 2am then I slept til 3pm, ya I was tired. Anyways, the computer worked great and I believe I was seen all the way up to where we went into the mts. I'm going to look and see if the TNC log is all there here in a minute. As for your camera, that thing is awesome. THe battery lasted forever and I believe it was the only camera that caught the whole event. Thanks again for your support and I'll try to get your stuff back ASAP.

Justin, KD7PIT

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4087. Re: TV02F Rescue

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-09 17:20:50 UTC
From: n7ubo
Topic: 4082 Message: 4087

So Murphy has a tree as well as a power line, huh ?

Tim

> If the capsule had drifted five feet away from the tree, it would have
> landed in the open.
>
> Paul

4088. Re: [tvnsp] TV02F Rescue

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-09 17:32:16 UTC
From: John Knapp
Topic: 4082 Message: 4088

You can practice the pole technique here if you want
to, also the Robin Hood shoot if you want. We have the
space to do that. Need to give me a little notice
first to make sure I am here. I have to make a run to
Mt. Home to pick up Deb's X-rays, not sure when yet.

I do agree we need to make sure everything works okay
prior to going up to Pine and hiking. It is a pain to
realize 'Darn I forget to get this....'. :-)

I have reserved some private space at the Jade Garden
on Thursday night at 6:30. No issues there.

I would like to thank everyone for their words of
incouragement. Both Deb and I appreciate it.

JohnK

--- verhap@... wrote:
> > I was thinking about this the other night as a
> means of retrieving a payload out of a tree.
>
> I'm begining to like this idea best of all. Where's
> Robin Hood when
> you need him?
>
> Mark's idea of testing the pole is a good idea also.
> Perhaps we
> should meet before Thursday to try it out. Can we
> meet at
> someone's house to try it?
>
> As far as falling out of the tree, There's a grassy
> meadow that's
> probably large enough to land a Life Flight
> heliciopter. But let's not
> do that!
>
> If the capsule had drifted five feet away from the
> tree, it would have
> landed in the open.
>
> Paul
>

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4089. Re: [tvnsp] TV02F Rescue

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-09 18:59:09 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4082 Message: 4089

> You can practice the pole technique here if you want
> to, also the Robin Hood shoot if you want. We have the
> space to do that. Need to give me a little notice
> first to make sure I am here. I have to make a run to
> Mt. Home to pick up Deb's X-rays, not sure when yet.

Thanks. Lloyd made a suggestion we use an extending tree saw.
I think I've seen these. Can one reach 50 feet?

> I have reserved some private space at the Jade Garden
> on Thursday night at 6:30. No issues there.

We're meeting at the Garden to plan our expedition.

> I would like to thank everyone for their words of
> incouragement. Both Deb and I appreciate it.

You've both have been very valuable members of TVNSP. I'm
looking forward to Deb going out on chase again.

Paul

4090. Re: [tvnsp] Re: TV02F Rescue

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-09 18:01:54 UTC
From: John Knapp
Topic: 4082 Message: 4090

Yup, he sure does.....

And he lives in the rocks...

JohnK
--- n7ubo <n7ubo@...> wrote:
> So Murphy has a tree as well as a power line, huh ?
>
> Tim
>
> > If the capsule had drifted five feet away from the
> tree, it would
> have
> > landed in the open.
> >
> > Paul
>
>

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4091. Re: [tvnsp] Re: TV02F Rescue

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-09 19:20:18 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4082 Message: 4091

I'm confused. What's everyone talking about?
Paul

> Yup, he sure does.....
>
> And he lives in the rocks...
>
> JohnK
> --- n7ubo <n7ubo@...> wrote:
> > So Murphy has a tree as well as a power line, huh ?
> >
> > Tim
> >
> > > If the capsule had drifted five feet away from the
> > tree, it would
> > have
> > > landed in the open.
> > >
> > > Paul
> >
> >
>
>
> _____
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4092. Re: [tvnsp] TV02F Rescue

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-09 18:22:53 UTC
From: n9xtn@cox.net
Topic: 4082 Message: 4092

>Lloyd made a suggestion we use an extending tree saw.
>I think I've seen these. Can one reach 50 feet?

How about a wire saw? Shoot a line over the branch the payload is hanging from, pull a wire saw up into position, saw off the limb.

73 de Mark N9XTN

4093. (Fwd) Re: Had a thought for a future mission option

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-09 19:37:17 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4093 Message: 4093

I wanted to share this with the group. Here's Lloyd's idea, and I think he's onto something. What do we have collectively that would make this work?

Paul

One more idea for you - combo tree saw and antenna mast

take several 10 foot sections (I would get 6 or 7 for the estimated 50 foot height you need) of the antenna mast's you can buy almost anywhere (Home Depot, Trash Shack, Lowes, etc). Also buy / borrow / steal a tree saw blade. The blade mounts to the normal handle with a couple of carriage bolts, so just drill one of the mast pieces with the right size holes, and mount a saw blade on it. Then add pieces as necessary to reach where you need to.

These are also pretty light to carry, and 10 foot lengths shouldn't be too bad for the trail

Lloyd

4094. Re: [tvnsp] TV02F Rescue

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-09 19:38:04 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4082 Message: 4094

Another capitol idea. We saw that #$^%$ off.

Paul

> >Lloyd made a suggestion we use an extending tree saw.
> >I think I've seen these. Can one reach 50 feet?
>
> How about a wire saw? Shoot a line over the branch the payload is hanging from, pull a wire saw up into position, saw off the limb.
>
> 73 de Mark N9XTN
>
>
>
>
>
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4095. RE: [tvnsp] (Fwd) Re: Had a thought for a future mission option

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-09 18:48:44 UTC
From: Doug Eubanks
Topic: 4093 Message: 4095

The idea of a tree saw is good, however, from
experience with the same "brainstorm",
I put one together in the same manner using top
rail from chain link fencing that had been cut
into 7 foot sections for portable antenna masts.
This was to trim a limb out of a friends tree that
was tangled in his beam.
We only had to get up 30-35 feet but there were
problems.
The length was too flexible, you had to tie a
couple of ropes to the apparatus in
order to "boom" it up like a crane. Once we had
the saw on the limb, the flexibility
of everything made it very difficult to hold the
saw straight, and attempting to actually
saw only made the limb sway, and the long length
of the saw sway even worse.
After that experience, I won't use that method
again at those kinds of heights.
I shudder at trying to stick 50 feet up in the air
like that.

Doug, KA?O
ka0o@...

-----Original Message-----
From: verhap@...
[mailto:verhap@...]
Sent: Monday, September 09, 2002 2:37 PM
To: tvnsp@yahoogroups.com
Subject: [tvnsp] (Fwd) Re: Had a thought for a
future mission option

I wanted to share this with the group. Here's
Lloyd's idea, and I
think he's onto something. What do we have
collectively that
would make this work?

Paul

One more idea for you - combo tree saw and
antenna mast

take several 10 foot sections (I would get 6 or
7 for the estimated 50 foot

height you need) of the antenna mast's you can buy almost anywhere (Home
Depot, Trash Shack, Lowes, etc). Also buy / borrow / steal a tree saw blade.
The blade mounts to the normal handle with a couple of carriage bolts, so
just drill one of the mast pieces with the right size holes, and mount a saw
blade on it. Then add pieces as necessary to reach where you need to.

These are also pretty light to carry, and 10 foot lengths shouldn't be too
bad for the trail

Lloyd

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4096. Re: [tvnsp] Re: TV02F Photos

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-09 18:42:42 UTC
From: Mike Garske
Topic: 4067 Message: 4096

Justin,

I'll post the pics to page and then after they are placed, I will need a description for each picture. Will that work for you?

Andrea

Please check out my new website at www.tvnsp.org !
----- Original Message -----
From: "kd7pit" <J_Formolo@...>
To: <tvnsp@yahoogroups.com>
Sent: Sunday, September 08, 2002 7:45 PM
Subject: [tvnsp] Re: TV02F Photos

> Photos are on there way. Give it about 15-20 mins to send out. If
> you need a description of any photo, just give me the name of it and
> I can look it up and tell you what is going on.
>
> Justin, KD7PIT
>
>
>
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4097. RE: [tvnsp] (Fwd) Re: Had a thought for a future mission option

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-09 19:53:18 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4093 Message: 4097

Perhaps we could get high enough to do this if we climb the tree
part way.

> The idea of a tree saw is good, however, from
> experience with the same "brainstorm",
> I put one together in the same manner using top
> rail from chain link fencing that had been cut
> into 7 foot sections for portable antenna masts.
> This was to trim a limb out of a friends tree that
> was tangled in his beam.
> We only had to get up 30-35 feet but there were
> problems.
> The length was too flexible, you had to tie a
> couple of ropes to the apparatus in
> order to "boom" it up like a crane. Once we had
> the saw on the limb, the flexibility
> of everything made it very difficult to hold the
> saw straight, and attempting to actually
> saw only made the limb sway, and the long length
> of the saw sway even worse.
> After that experience, I won't use that method
> again at those kinds of heights.
> I shudder at trying to stick 50 feet up in the air
> like that.

4098. Re: payload extraction

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-09 18:55:00 UTC
From: n9xtn@cox.net
Topic: 4098 Message: 4098

Ref. the tree saw option:

Can enough force be placed so that the saw blade will actually cut? Also worth testing on a 50-ft high limb before departure.

Also, most tree limb saws I've seen are D-shaped, with the blade forming the straight part of the D and attached by the blade's ends. If you just attach the blade to the side of a TV mast, then there's no way for the blade to go any distance into the limb - the mast will get in the way. I suppose you could drill another hole near the center of the blade and attach it to the top end of the mast, leaving about half the blade extending off the top. Then you could cut with the top part of the blade, if you can press it against the limb hard enough.

Can someone post a photo of the payload in the tree so we have a common frame of reference? Is the payload caught in a single branch, or might it be caught in several?

73 de Mark N9XTN

4099. Re: [tvnsp] TV02F Rescue

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-09 18:56:16 UTC
From: Randy Farley
Topic: 4082 Message: 4099

>>> verhap@... 09/09/02 09:00AM >>>
I have three tree spikes. Does anyone have a few more? Can we
get a harness for climbing the tree? How about a rope? Even if we
can't get all the way up, someone still may be able to use the pole
to knock the capsule loose.

I don't think the "Tree Huggers" approve of this method of climbing
trees anymore ;-)

Another option is to bring a 30 pound bow. We could shoot an
arrow with a cord (like you would do to set up an antenna in a tree)
between the branches and then pull on the cord to pull the capsule
out.

I have the bow, equipment and the experience to perform this task.
My problem is a prior commitment for this Saturday.
Does anyone in the group know how to handle a compound bow?

One other idea along this method of retrieval.
Im not as familiar with the performance ,but would the wrist-rocket type
launcher work?
This is the safer and eaier method of hurling a projectile
connected to a trailing chord through the air at a target.
Near misses are not as apt to endanger the target or the marksman.
I'm thinking of the type that uses a large closed face spinning
reel to hold the twine. Not sure what their yard capacity is since
i never owned one. I always considered this type of fishing reel
inadequate for an avid fisherman, but in our case,this might be perfect.

I really think we can pull this off and save Jeff $300. Besides, it
would be an awesome adventure for a near space group to
accomplish.

Any other ideas or getting the capsule out of the three?

Paul

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4100. [tvnsp] Re: payload extraction

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-09 19:14:03 UTC
From: Randy Farley
Topic: 4098 Message: 4100

Marks idea will work as long as you yell "Timber" real loud
and wear a hard hat.
If anyone needs a picture of how this could work,check this link out.
I,m in agreement with one posters description of handling long poles
overhead. Kind of like trying to balance a broom handle on your nose
when you have had one too many.

http://shop.store.yahoo.com/cspoutdoors/higlimropcha.html

>>> n9xtn@... 09/09/02 12:55PM >>>
Ref. the tree saw option:

Can enough force be placed so that the saw blade will actually cut? Also worth testing on a 50-ft high limb before departure.

Also, most tree limb saws I've seen are D-shaped, with the blade forming the straight part of the D and attached by the blade's ends. If you just attach the blade to the side of a TV mast, then there's no way for the blade to go any distance into the limb - the mast will get in the way. I suppose you could drill another hole near the center of the blade and attach it to the top end of the mast, leaving about half the blade extending off the top. Then you could cut with the top part of the blade, if you can press it against the limb hard enough.

Can someone post a photo of the payload in the tree so we have a common frame of reference? Is the payload caught in a single branch, or might it be caught in several?

73 de Mark N9XTN

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4101. RE: [tvnsp] (Fwd) Re: Had a thought for a future mission option

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-09 19:18:37 UTC
From: John Knapp
Topic: 4093 Message: 4101

I also shudder at this idea. Every Christmas I
decorate a large pine tree with lights, and have to
use about 30 feet of aluminun pole. The sway in thrity
feet is bad, I can't imagine what it would be like for
50 ft. Also, I would encourage them to have about 80
or 90 feet of pole with them in case the distance is
judged to short. It would be the pits (no offense
Justin) if the pole was about 5 ft too short after
hiking into the area.

Also, only part of the way has a trail, the hikers
would be cutting cross country. It might be a chore to
carry 10 ft. sections of top rail - only a thought.

JohnK
--- verhap@... wrote:
> Perhaps we could get high enough to do this if we
> climb the tree
> part way.
>
> > The idea of a tree saw is good, however, from
> > experience with the same "brainstorm",
> > I put one together in the same manner using top
> > rail from chain link fencing that had been cut
> > into 7 foot sections for portable antenna masts.
> > This was to trim a limb out of a friends tree that
> > was tangled in his beam.
> > We only had to get up 30-35 feet but there were
> > problems.
> > The length was too flexible, you had to tie a
> > couple of ropes to the apparatus in
> > order to "boom" it up like a crane. Once we had
> > the saw on the limb, the flexibility
> > of everything made it very difficult to hold the
> > saw straight, and attempting to actually
> > saw only made the limb sway, and the long length
> > of the saw sway even worse.
> > After that experience, I won't use that method
> > again at those kinds of heights.
> > I shudder at trying to stick 50 feet up in the air
> > like that.
>
>

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4102. Re: [tvnsp] Re: TV02F Rescue

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-09 19:21:04 UTC
From: John Knapp
Topic: 4082 Message: 4102

My buddy Murphy.. thats who

JohnK
--- verhap@... wrote:
> I'm confused. What's everyone talking about?
> Paul
>
> > Yup, he sure does.....
> >
> > And he lives in the rocks...
> >
> > JohnK
> > --- n7ubo <n7ubo@...> wrote:
> > > So Murphy has a tree as well as a power line,
> huh ?
> > >
> > > Tim
> > >
> > > > If the capsule had drifted five feet away from
> the
> > > > tree, it would
> > > > have
> > > > > landed in the open.
> > > > >
> > > > > Paul
> > > >
> > > >
> > >
> > >
> > > _____
> > > Do You Yahoo!?
> > > Yahoo! Autos - Get free new car price quotes
> > > http://autos.yahoo.com
> > >
> > >
> > > To unsubscribe from this group, send an email to:
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>

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4103. Re: [tvnsp] Re: payload extraction

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-09 19:28:15 UTC
From: LThomson
Topic: 4098 Message: 4103

The tree blades I have seen and used have a cresent shape about 12 or so inches long. business edge of the blade is on the concave edge, so that when you saw, the blade will more or less stay against the branch when sawing on the top side. The blade attaches using two bolts on one end of the blade.

You would want to mount the saw blade on the end of whatever pole you use so that the blade extends past the end of the pole. That way the pole and blade will not interfere with each other.

When I have been using my "off the shelf" tree saw, even it's 20 or 25 feet of fiberglass polt have been a little heavy after a while. However, I have found that just the weight of the pole is enough to put sufficient pressure on the saw blade to get the job done. Even better if the blade is sharp and / or new. When I get tired, I can just lean it against the tree and rest.

One more thing I thought of - if they do not have the option already, drill the rest of the mast's so that a bolt can be inserted through each joint. That way you can pull the pieces as well as push, for obvious reasons.

And, yes, getting it up there would probably be a two person job, just because of the leverage working against you because of the length.

Lloyd

----- Original Message -----
From: <n9xtn@...>
To: <tvnsp@yahoogroups.com>
Sent: Monday, September 09, 2002 12:55 PM
Subject: [tvnsp] Re: payload extraction

Ref. the tree saw option:

Can enough force be placed so that the saw blade will actually cut? Also worth testing on a 50-ft high limb before departure.

Also, most tree limb saws I've seen are D-shaped, with the blade forming the straight part of the D and attached by the blade's ends. If you just attach the blade to the side of a TV mast, then there's no way for the blade to go any distance into the limb - the mast will get in the way. I suppose you could drill another hole near the center of the blade and attach it to the top end of the mast, leaving about half the blade extending off the top. Then you could cut with the top part of the blade, if you can press it against the limb hard enough.

Can someone post a photo of the payload in the tree so we have a common frame of reference? Is the payload caught in a single branch, or might it be caught in several?

73 de Mark N9XTN

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4104. Re: [tvnsp] Re: payload extraction

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-09 19:30:27 UTC
From: LThomson
Topic: 4098 Message: 4104

These look pretty good

just need longer ropes!!!

Lloyd

----- Original Message -----
From: "Randy Farley" <rfarley@...>
To: <tvnsp@yahoogroups.com>
Sent: Monday, September 09, 2002 1:14 PM
Subject: [tvnsp] Re: payload extraction

Marks idea will work as long as you yell "Timber" real loud
and wear a hard hat.
If anyone needs a picture of how this could work,check this link out.
I,m in agreement with one posters description of handling long poles
overhead. Kind of like trying to balance a broom handle on your nose
when you have had one too many.

http://shop.store.yahoo.com/cspoutdoors/higlimropcha.html

>>> n9xtn@... 09/09/02 12:55PM >>>
Ref. the tree saw option:

Can enough force be placed so that the saw blade will actually cut? Also
worth testing on a 50-ft high limb before departure.

Also, most tree limb saws I've seen are D-shaped, with the blade forming the
straight part of the D and attached by the blade's ends. If you just attach
the blade to the side of a TV mast, then there's no way for the blade to go
any distance into the limb - the mast will get in the way. I suppose you
could drill another hole near the center of the blade and attach it to the
top end of the mast, leaving about half the blade extending off the top.
Then you could cut with the top part of the blade, if you can press it
against the limb hard enough.

Can someone post a photo of the payload in the tree so we have a common
frame of reference? Is the payload caught in a single branch, or might it
be caught in several?

73 de Mark N9XTN

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4105. Re: [tvnsp] Re: payload extraction

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-09 20:32:06 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4098 Message: 4105

> Can enough force be placed so that the saw blade will actually cut? Also worth testing on a 50-ft high limb before departure.

> Also, most tree limb saws I've seen are D-shaped, with the blade forming the straight part of the D and attached by the blade's ends. If you just attach the blade to the side of a TV mast, then there's no way for the blade to go any distance into the limb - the mast will get in the way. I
suppose you could drill another hole near the center of the blade and attach it to the top end of the mast, leaving about half the blade extending off the top. Then you could cut with the top part of the blade, if you can press it against the limb hard enough.

I'm thinking the blade should be vertical. Then all we do it pull the
blade down the side of the branch, many, many times.

> Can someone post a photo of the payload in the tree so we have a common frame of reference? Is the payload caught in a single branch, or might it be caught in several?

It looked like one branch, but there are several branchs below it.
Justin took a picture with the digital camera. Those should be on
the TVNSP website shortly.

Paul

4106. Re: [tvnsp] Re: payload extraction

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-09 19:38:24 UTC
From: Randy Farley
Topic: 4098 Message: 4106

I think you can buy these at any sport shop.

I do like the pole pruning saws for 20 feet or less,
i just can't imagine reaching up 50 plus feet,but
it never hurts to try. Maybe a tree surgeon would
have some good input.

Surprised no one brought up the easiest and most
obvious,just fall the sucker ;-) Running for my enviromental
shelter.

>>> lmthomson1@... 09/09/02 01:30PM >>>
These look pretty good

just need longer ropes!!!

Lloyd

----- Original Message -----
From: "Randy Farley" <rfarley@...>
To: <tvnsp@yahoogroups.com>
Sent: Monday, September 09, 2002 1:14 PM
Subject: [tvnsp] Re: payload extraction

Marks idea will work as long as you yell "Timber" real loud
and wear a hard hat.
If anyone needs a picture of how this could work,check this link out.
I,m in agreement with one posters description of handling long poles
overhead. Kind of like trying to balance a broom handle on your nose
when you have had one too many.

http://shop.store.yahoo.com/cspoutdoors/higlimropcha.html

>>> n9xtn@... 09/09/02 12:55PM >>>
Ref. the tree saw option:

Can enough force be placed so that the saw blade will actually cut? Also
worth testing on a 50-ft high limb before departure.

Also, most tree limb saws I've seen are D-shaped, with the blade forming the
straight part of the D and attached by the blade's ends. If you just attach
the blade to the side of a TV mast, then there's no way for the blade to go
any distance into the limb - the mast will get in the way. I suppose you
could drill another hole near the center of the blade and attach it to the
top end of the mast, leaving about half the blade extending off the top.
Then you could cut with the top part of the blade, if you can press it
against the limb hard enough.

Can someone post a photo of the payload in the tree so we have a common frame of reference? Is the payload caught in a single branch, or might it be caught in several?

73 de Mark N9XTN

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4107. Re: [tvnsp] TV02F Rescue

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-09 19:38:20 UTC
From: Tim Rynearson
Topic: 4082 Message: 4107
Attachments: 2 described; binary payloads are missing from this source WARC

I have a telescoping tree saw, but it only extends to 14 feet....

Tim

-------Original Message-------

From: tvnsp@yahoogroups.com
Date: Monday, September 09, 2002 11:55:20 AM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] TV02F Rescue

>Lloyd made a suggestion we use an extending tree saw.
>I think I've seen these. Can one reach 50 feet?

How about a wire saw? Shoot a line over the branch the payload is hanging
from, pull a wire saw up into position, saw off the limb.

73 de Mark N9XTN

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4108. Re: [tvnsp] TV02F Rescue

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-09 20:54:07 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4082 Message: 4108

How heavy is the saw? Is this something we can attach to another
pole?

Paul

> I have a telescoping tree saw, but it only extends to 14 feet....
>
> Tim

4109. Re: [tvnsp] TV02F Rescue

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-09 20:05:29 UTC
From: Tim Rynearson
Topic: 4082 Message: 4109
Attachments: 2 described; binary payloads are missing from this source WARC

its about 7 or 8 lbs, and yes, it could be added to another pole

-------Original Message-------

From: tvnsp@yahoogroups.com
Date: Monday, September 09, 2002 01:26:44 PM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] TV02F Rescue

How heavy is the saw? Is this something we can attach to another
pole?

Paul

> I have a telescoping tree saw, but it only extends to 14 feet....
>
> Tim

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4110. Re: [tvnsp] Re: payload extraction

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-09 20:27:04 UTC
From: LThomson
Topic: 4098 Message: 4110

I'm thinking the blade should be vertical. Then all we do it pull the blade down the side of the branch, many, many times.

Actually you want the blade to be at an angle when you cut. You don't want to be under it when the branch breaks loose. Also, if you are at an angle, the weight of the pole works for you by increasing the pressure on the saw blade. FYI, and I don't know how well it will work because of the length, but you get a cleaner cut if you do a small one on the bottom of the branch, then change over to the topside. Eliminates the bark peel that typically occurs when the branch shears off. I always try to do this on the trees I trim in my yard, but youmay not reall care about this offensive tree that Murphy put in the right (or wrong for us) place!!

The photo's should be educational!!!!

Lloyd

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4111. Re: [tvnsp] Digest Number 527

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-09 21:03:47 UTC
From: Don Pfister
Topic: 4111 Message: 4111

tvnsp@yahoogroups.com wrote:

I'm coming into this discussion late but I can't keep my fingers still or my mouth shut.

Here is what I got:
capsule in tree
clearing 5' away from tree

There has been an article(s) in QST about a way to put an antenna in a tree. You float a line over it with balloons, drop the line, hook the capsule/shroudlines/parachute? This might allow you to get at it from the top if that would help any? Much like you do with the lanyard launch but smaller scale.

I don't know if this approach has any merit here. I am guessing it is a wooded area, step climbs and rocks.

What they used in QST was party type balloons, so maybe one of those party balloon kit tanks? Anyway, just a thought, I'm sure you will know instantanlty if it has any use. If not sorry for the wasted time.

Of course if there is no clearing, no good.

73 and good luck, I'll read the mail more closely as I have time.

Don

--

[Signature File]
Name=Don Pfister KA0JLF
PFranc of KS - GPS cables and connectors
http://pfranc.com/cgi-bin/pub/u_KS
http://pfranc.com/cgi-bin/pub/u_KS?pid=ePlug

Founder of HABITAT SkyLab soon to add SeaLab (underwater robotics)
(High Altitude Basic Investigation Testing And Tracking)
Successful HABITAT SkyLab LAUNCH SEPT. 7 AT 10 A.M. CDT see the web sites.
http://www.rckara.org/project_traveler/2002d/analysis/
http://users.crosspaths.net/wallio/RECORDS.html
Email=ka0jlf@... or ka0jlf@... or donp@...

http://habitat.netlab.org
http://www.netlab.org:8888/ Visit the Lab in the Hobby wing. HABITAT being built...

view stations on the web real time (~3 minute updates):
http://www.findu.com/cgi-bin/find.cgi?KA0JLF-11 balloon

4112. Sky and Telescope

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-09 22:19:28 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4112 Message: 4112

I send a photo from near space to Sky and Telescope last week.
I got an email this afternoon from them. Ms. Joson is planning to
push for the photograph to be included in the magazine. I just fax
them a submission form. I was told tomorrow is the deadline for
their current issue's photographs. Last weekend, Mr. O'Meara
(spelling?), who has worked with Sky and Telescope attended the
TVNSP presentation at ISP. Perhaps he can put in a good word
for us. In the fax coversheet, I invited them to Idaho to attend a
launch.

We'll see.....

Paul

4113. Re: [tvnsp] TV02F Rescue

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-09 23:31:50 UTC
From: Zack Clobes
Topic: 4082 Message: 4113

A saw blade at the end of 50' of mast gets pretty heavy, awkward, and hard to control. I suggest you practice before you get out there.

Zack Clobes, W0ZC
Project: Traveler

----- Original Message -----
From: <verhap@...>
To: <tvnsp@yahoogroups.com>
Sent: Monday, September 09, 2002 2:38 PM
Subject: Re: [tvnsp] TV02F Rescue

> Another capitol idea. We saw that #$^%$ off.
>
> Paul
>
> > >Lloyd made a suggestion we use an extending tree saw.
> > >I think I've seen these. Can one reach 50 feet?
> >
> > How about a wire saw? Shoot a line over the branch the payload is hanging from, pull a wire saw up into position, saw off the limb.
> >
> > 73 de Mark N9XTN
> >
> >
> >
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4114. RE: [tvnsp] TV02F Rescue

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-10 00:20:04 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 4082 Message: 4114

Guys,

Keep in mind that if this is BLM or Forestry land, cutting may not be an
option.

73 de Bill, KC7JSD

> -----Original Message-----
> From: Zack Clobes [mailto:zclobes@...]
> Sent: Monday, September 09, 2002 5:32 PM
> To: tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] TV02F Rescue
>
>
> A saw blade at the end of 50' of mast gets pretty heavy,
> awkward, and hard
> to control. I suggest you practice before you get out there.
>
> Zack Clobes, W0ZC
> Project: Traveler
>
> ----- Original Message -----
> From: <verhap@...>
> To: <tvnsp@yahoogroups.com>
> Sent: Monday, September 09, 2002 2:38 PM
> Subject: Re: [tvnsp] TV02F Rescue
>
>
> > Another capitol idea. We saw that #$^%$ off.
> >
> > Paul
> >
> > > >Lloyd made a suggestion we use an extending tree saw.
> > > >I think I've seen these. Can one reach 50 feet?
> > >
> > > How about a wire saw? Shoot a line over the branch the payload is
> hanging from, pull a wire saw up into position, saw off the limb.
> > >
> > > 73 de Mark N9XTN
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4115. RE: [tvnsp] TV02F Rescue

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-10 00:21:56 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 4082 Message: 4115

Just so not to be completely negative, anyone know any RC chopper pilots?

73 de Bill, KC7JSD

> -----Original Message-----
> From: BLOHM,BILL (HP-Boise,ex1) [mailto:bill_blohm@...]
> Sent: Monday, September 09, 2002 6:20 PM
> To: 'tvnsp@yahoogroups.com'
> Subject: RE: [tvnsp] TV02F Rescue
>
>
> Guys,
>
> Keep in mind that if this is BLM or Forestry land, cutting
> may not be an
> option.
>
> 73 de Bill, KC7JSD
>
> > -----Original Message-----
> > From: Zack Clobes [mailto:zclobes@...]
> > Sent: Monday, September 09, 2002 5:32 PM
> > To: tvnsp@yahoogroups.com
> > Subject: Re: [tvnsp] TV02F Rescue
> >
> >
> > A saw blade at the end of 50' of mast gets pretty heavy,
> > awkward, and hard
> > to control. I suggest you practice before you get out there.
> >
> > Zack Clobes, W0ZC
> > Project: Traveler
> >
> > ----- Original Message -----
> > From: <verhap@...>
> > To: <tvnsp@yahoogroups.com>
> > Sent: Monday, September 09, 2002 2:38 PM
> > Subject: Re: [tvnsp] TV02F Rescue
> >
> >
> > > Another capitol idea. We saw that #$^%$ off.
> > >
> > > Paul
> > >
> > > > >Lloyd made a suggestion we use an extending tree saw.

> > > > >I think I've seen these. Can one reach 50 feet?
> > > >
> > > > How about a wire saw? Shoot a line over the branch the
> payload is
> > hanging from, pull a wire saw up into position, saw off the limb.
> > > >
> > > > 73 de Mark N9XTN
> > > >
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>
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4116. RE: [tvnsp] Bill's antenna mast

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-10 00:25:45 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 4068 Message: 4116

Justin,

It's about 1830 and I'm about to head home. I figure I'll be out of here at 1830, I can swing by your place and pick it up if you want. Post a note here before 1830 and I'll do that. Otherwise, I can pick it up from you sometime after 1800 tomorrow, whatever time works for you. Or you can drop it off at my place any time after 1900 tonight or after 1800 tomorrow.

Glad to hear it worked out well. I really like that setup for portability in a Geo Tracker, which is my main ham rig.

73 de Bill, KC7JSD

> -----Original Message-----
> From: Jeff Melanson [mailto:kd7inn@...]
> Sent: Sunday, September 08, 2002 10:16 PM
> To: tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] Bill's antenna mast
>
>
> Bill,
>
> Thanks for the use of the antenna and mast. It worked great.
>
> Jeff
>
> kd7pit wrote:
> >
> > Bill,
> >
> > I did grab your antenna and mast last night before heading home.
> > Thankfully someone had already broken it down for me so I
> didn't have
> > to do it in the dark. From what I heard, it work perfectly
> so my hat
> > off to you. When can I get it back to you?
> >
> > Justin, KD7PIT
> >
> >
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4117. Capsule Rescue

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-10 02:08:55 UTC
From: Jeff Melanson
Topic: 4117 Message: 4117

Hi all,

Let's think this through...

If you can get a pole 50 feet up to cut the limb then you can just lift the parachute up and out. No need to cut the limb. Paul and Justin, you two are the only eye witnesses, does that make sense?
I've been looking at my 40 ft. high telescoping antenna mast in my backyard. Even 40 feet is a long ways up. It is raised by extending it straight up one section at a time. Guy wires are use to steady it while raising it. Perhaps it could be raised next to the tree then walk it in closer. A 10 foot section could be added to it. I have reservations about this idea.
How about the Bow and Arrow idea? Paul and Justin, did it look like you could pull it out of the tree if a string were run next to it?
How about the High Limb Rope Chain Saw idea that Randy came up with. Is there a practical way to place it in the right spot? If you cut the branch will it just fall to the next branch?

Here are two idea's that I'm working on...
1) I have a tent that uses flexible fiberglass poles held together with an elastic string in the middle. The total length is 53 feet. I just have to connect the four sections. It can be raised next to the tree in sections using the tree branches to snake it through which would provide support. Sneak up on the parachute and snag it. I will try it with my 40 foot tree tonight.
2) Take sections of schedule 80 PVC pipe and assemble it as it is being raised under the tree. Same principle as above. If I have time I will run down to Home Depot tonight and see if this pipe is stiff enough.

If a tree falls in the woods and no one is around to hear it did it make a sound?

Jeff
KD7INN

4118. Re: [tvnsp] Capsule Rescue

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-10 02:58:22 UTC
From: John Knapp
Topic: 4117 Message: 4118

Jeff, I think you are right. Deb and I have been talking about all of the ideas that have come forward. We think sawing the branch will cause the limb to fall to the next one. Of course, I have not seen pictures of it. The PVC pipe sounds like a good idea. The pipe could be cut into five foot sections and connected with slip connectors as needed. I have never tried to move a fifty foot section, have moved 20 and 25 ft sections though. And using the tree for support to connect the pipes together would also be a good idea.

Bring extra pipe incase a section splinters for some reason.

JohnK
--- Jeff Melanson <kd7inn@...> wrote:
> Hi all,
>
> Let's think this through...
>
> If you can get a pole 50 feet up to cut the limb
> then you
> can just lift the parachute up and out. No need to
> cut the
> limb. Paul and Justin, you two are the only eye
> witnesses,
> does that make sense?
> I've been looking at my 40 ft. high telescoping
> antenna mast
> in my backyard. Even 40 feet is a long ways up. It
> is raised
> by extending it straight up one section at a time.
> Guy wires
> are use to steady it while raising it. Perhaps it
> could be
> raised next to the tree then walk it in closer. A 10
> foot
> section could be added to it. I have reservations
> about this
> idea.
> How about the Bow and Arrow idea? Paul and Justin,
> did it
> look like you could pull it out of the tree if a
> string were
> run next to it?

> How about the High Limb Rope Chain Saw idea that
> Randy came
> up with. Is there a practical way to place it in the
> right
> spot? If you cut the branch will it just fall to the
> next
> branch?
>
> Here are two idea's that I'm working on...
> 1) I have a tent that uses flexible fiberglass poles
> held
> together with an elastic string in the middle. The
> total
> length is 53 feet. I just have to connect the four
> sections.
> It can be raised next to the tree in sections using
> the tree
> branches to snake it through which would provide
> support.
> Sneak up on the parachute and snag it. I will try it
> with my
> 40 foot tree tonight.
> 2) Take sections of schedule 80 PVC pipe and
> assemble it as
> it is being raised under the tree. Same principle as
> above.
> If I have time I will run down to Home Depot tonight
> and see
> if this pipe is stiff enough.
>
> If a tree falls in the woods and no one is around to
> hear it
> did it make a sound?
>
> Jeff
> KD7INN
>

Yahoo! - We Remember
9-11: A tribute to the more than 3,000 lives lost
http://dir.remember.yahoo.com/tribute

4119. Re: [tvnsp] Capsule Rescue

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-10 04:12:00 UTC
From: Jeff Melanson
Topic: 4117 Message: 4119

Hi all,

I have tested the tent pole method. The poles are too
flexible. I was able to put 30 feet up into the tree but I
could not direct the end of it to go where I wanted it.
I could not find Schedule 80 pipe. I looked at 1/2 inch
Schedule 40. It is much stiffer than the tent poles. I'm
still not sure that I could direct the end of it to a
specific location because of the height. When you try this
you find that 50 feet is a long way to go.
I looked at paint roller handles. They had one telescoping
handle that was 23 feet long and it was pretty steady and
light weight. Unfortunately you can't join them together to
make a longer one. Isn't there 10 foot sections that you can
screw together?
The 1/2" electrical conduit looked good but I couldn't find
a way to join them together with a dependable joint. It's
only $1.36 per 10 feet. The regular conduit couplers are to
weak for our application. Any idea's here?
Does anybody have a monkey?
Paul, do your rabbits climb trees?

Randy wrote:

I have the bow, equipment and the experience to perform this
task.
My problem is a prior commitment for this Saturday.
Does anyone in the group know how to handle a compound bow?

Randy, if we can't make it this Saturday could you make it
next Saturday?

Jeff
KD7INN

John Knapp wrote:
>
> Jeff, I think you are right. Deb and I have been
> talking about all of the ideas that have come forward.
> We think sawing the branch will cause the limb to fall
> to the next one. Of course, I have not seen pictures
> of it. The PVC pipe sounds like a good idea. The pipe
> could be cut into five foot sections and connected
> with slip connectors as needed. I have never tried to
> move a fifty foot section, have moved 20 and 25 ft
> sections though. And using the tree for support to

> connect the pipes together would also be a good idea.
>
> Bring extra pipe incase a section splinters for some
> reason.
>
> JohnK
> --- Jeff Melanson <kd7inn@...> wrote:
> > Hi all,
> >
> > Let's think this through...
> >
> > If you can get a pole 50 feet up to cut the limb
> > then you
> > can just lift the parachute up and out. No need to
> > cut the
> > limb. Paul and Justin, you two are the only eye
> > witnesses,
> > does that make sense?
> > I've been looking at my 40 ft. high telescoping
> > antenna mast
> > in my backyard. Even 40 feet is a long ways up. It
> > is raised
> > by extending it straight up one section at a time.
> > Guy wires
> > are use to steady it while raising it. Perhaps it
> > could be
> > raised next to the tree then walk it in closer. A 10
> > foot
> > section could be added to it. I have reservations
> > about this
> > idea.
> > How about the Bow and Arrow idea? Paul and Justin,
> > did it
> > look like you could pull it out of the tree if a
> > string were
> > run next to it?
> > How about the High Limb Rope Chain Saw idea that
> > Randy came
> > up with. Is there a practical way to place it in the
> > right
> > spot? If you cut the branch will it just fall to the
> > next
> > branch?
> >
> > Here are two idea's that I'm working on...
> > 1) I have a tent that uses flexible fiberglass poles
> > held
> > together with an elastic string in the middle. The
> > total
> > length is 53 feet. I just have to connect the four

> > sections.
> > It can be raised next to the tree in sections using
> > the tree
> > branches to snake it through which would provide
> > support.
> > Sneak up on the parachute and snag it. I will try it
> > with my
> > 40 foot tree tonight.
> > 2) Take sections of schedule 80 PVC pipe and
> > assemble it as
> > it is being raised under the tree. Same principle as
> > above.
> > If I have time I will run down to Home Depot tonight
> > and see
> > if this pipe is stiff enough.
> >
> > If a tree falls in the woods and no one is around to
> > hear it
> > did it make a sound?
> >
> > Jeff
> > KD7INN
> >
>
> _____
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4120. Re: [tvnsp] Capsule Rescue

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-10 04:59:48 UTC
From: Bill Herrmann
Topic: 4117 Message: 4120

At 07:58 PM 9/9/02 -0700, you wrote:
>We think sawing the branch will cause the limb to fall
>to the next one. Of course, I have not seen pictures
>of it. The PVC pipe sounds like a good idea.

Borrowing this message for a more general response. Before you go doing too much improvising on the saw end of things go get the tool they make for the job. Has a telescoping handle and a nice curved saw blade on the end. I don't think they're probably long enough but it's a start.

>The pipe could be cut into five foot sections and connected with slip
>connectors as needed.

For safety I think I'd glue those joints. Enough primer and glue to do the trick would be minimal additional weight to carry. Take along a PVC cutter or saw and you can disassemble it. Keep in mind you'll need to pull on it to saw... Might be worth using at least one cross fitting instead of a slip union. That way you can put a guy rope through it.

>Bring extra pipe incase a section splinters for some reason.

Might as well bring some extra unions and that cutter and you can just cut off the bad ends and make a new joint. Dunno what size pipe you're looking at but 1" unions are about $0.30.

Bill

p.s. Gotta ask... Anybody know an RC helicopter pilot who wants a challenge?

4121. RE: [tvnsp] Accident

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-10 05:17:01 UTC
From: Bill Herrmann
Topic: 4042 Message: 4121

At 11:59 AM 9/8/02 -0700, you wrote:
>I'm really sorry to hear what happened to Deb, and am glad it turned out OK
>in the end.

I'll second that - keep us posted on how she's doing.

>My first impulse, based on the fact that being deaf I think PACKET, was
>portable digis that could be dropped along the trail in a situation like
>this where two remain behind part way and the rest go on.

It's not just deaf... In this situation at least one of the vehicles with a mobile rig in it needs to be set to digipeat. Then those in the party that have D7's (or other mobile APRS gear) can get messages out to net control. You might be able to do something similar for voice with radios that are capable of functioning as a repeater. (in many cases this means cross-band repeating) However, the duty cycle requirements for packet are much less. As Bill B. mentions a portable digipeat station could extend that range even further.

Check out http://home.earthlink.net/~wa8inz/ for the "Porta-Digi"
(Personally I'd suggest using a TV Twin Lead J-Pole for ease of carrying.)

A contact schedule should probably be arranged prior to leaving the rigs. Along with a schedule we should probably pick out a primary and backup repeater based on what we can hit easily. Generally we have enough HT's along that we could monitor several repeaters by assigning people.

>The bad part of this, obviously, is the need for more gear to alway be
>carried along on the chase.

Think of it as insurance. If you carry the gear you won't need it. <grin>

Bill

4122. Porta-Digi Links - was - RE: [tvnsp] Accident

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-10 05:36:44 UTC
From: Bill Herrmann
Topic: 4042 Message: 4122

Figures - Found another variation right after sending that last...

>Check out http://home.earthlink.net/~wa8inz/ for the "Porta-Digi"
>(Personally I'd suggest using a TV Twin Lead J-Pole for ease of carrying.)

http://www.qsl.net/k8ys/digi.htm

Bill

4123. Re: [tvnsp] Capsule Rescue

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-10 05:45:54 UTC
From: Bill Herrmann
Topic: 4117 Message: 4123

At 10:12 PM 9/9/02 -0600, Jeff wrote:
>I could not find Schedule 80 pipe. I looked at 1/2 inch
>Schedule 40. It is much stiffer than the tent poles. I'm
>still not sure that I could direct the end of it to a
>specific location because of the height.

You might want to look at the bigger diameters. Even 3/4" is noticeably less flexible than 1/2"- 1" is even better. There isn't as much benefit to increasing the size once you go past 1".

>The 1/2" electrical conduit looked good but I couldn't find
>a way to join them together with a dependable joint. It's
>only $1.36 per 10 feet. The regular conduit couplers are to
>weak for our application. Any idea's here?

You might look at the water-tight couplings. They use a compression nut on each end. I'd still be a little nervous about them but they would definitely be better than the "standard" couplings. Just FYI the conduit fittings actually have a standard pipe thread. Pipe would be heavier but could be screwed together.

Not sure where you looked but I'd strongly consider looking at Grovers Pay N Pak. Their prices aren't always the lowest but they often are lower than the big chains. They also might have the schedule 80 pipe.

Bill

4124. Re: [tvnsp] Capsule Rescue

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-10 10:40:43 UTC
From: Rick Widmer
Topic: 4117 Message: 4124

First a few thoughts on the use of a saw.

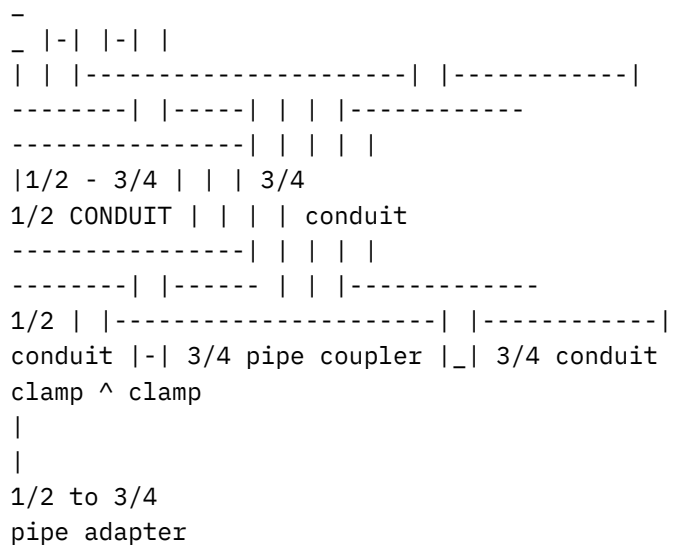
http://www.fs.fed.us/r4/boise/info/firewood.html

"You may not cut live trees!"

"Violations are punishable by a fine of not more than $5,000.00 or imprisonment for not more than 6 months or both (16 USC 551)."

Assuming the package is in a tree an the edge of a clearing, and visible from the clearing, here is what I would try first.

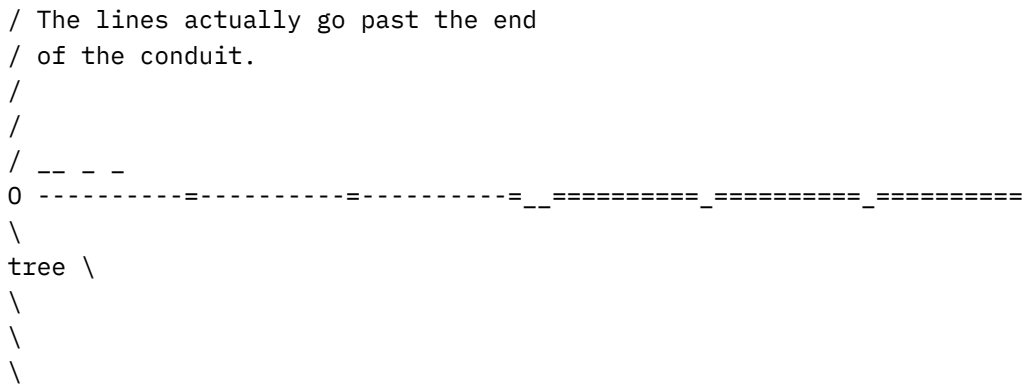
Take 3 10' sticks of 1/2 EMT conduit, 3 sticks of 3/4 EMT, and appropriate couplers. You can use pipe fittings to adapt between 1/2/ and 3/4.



Connect the three sticks of 1/2" conduit together, placing one end near the tree. (As close as you can get without interference from branches. If you can place the end past the tree a few feet that is even better.)

The stick of conduit closest to the tree should have some kind of plastic cap, or duct tape on the end to protect the parachute. At the coupler 10' from the tree tie two light ropes at least 100 feet long to the conduit coupler. You may be able to use the existing launch lanyards, if the string is strong enough to lift the conduit without breaking or showing excessive stretch. There should be less force on them than the full weight of the conduit when they are used, but this is a good test for needed strength. Lay the lines out on the ground at a 60 degree angle from the conduit, (120 degrees between the lines) facing away from the tree.

Connect three sticks of 3/4 conduit together, and attach them to the end of the 1/2 conduit, away from the tree. It should look something like this:



Now have one person stand on the end of the 3/4 conduit, away from the tree while two others start raising the 1/2 inch end. When you get the pole about 45 degrees up have two more people take up the slack on the lines, keeping them about 120 degrees apart. (each is 60 degrees from the pole. When the pole gets around 50-60 degrees up, the people on the lines should be able to control the top of the pole, and the two people who were lifting should move to help the one who was standing on the 3/4 inch end.

Now things get interesting... Team work will be very important, but lots of antenna masts have been raised this way, so it should be possible.

First everyone moves towards the tree, while holding the pole and trying to keep the top of the pole pointed at the parachute. Once you get close the goal is to stick the top end of the pole into the parachute. once this is accomplished, plant the 3/4" end on the ground, and try to lift the parachute and tracker out of the tree with the lines. If that doesn't work, try lifting up on the pole. It will be more stable if you can keep the bottom of the pole on the ground and extract the package using the lines.

Once the package is free of the tree, raise the pole near 90 degrees, and have the three people at the bottom hold it up while the line handlers run in to meet them. Then two people hold the lower end of the pole down while three others lower the pole hand over hand to the ground. Mission accomplished...

You will want to try raising the pole, and hitting a designated target high in a tree at home before going camping. I think you will find standard conduit couplers strong enough, but if you don't I suggest taking some 2-3 foot metal or wood rods and using duct tape to attach them to the conduit pole at each joint. Be sure to tape both ends, and the middle for strength.

I also like the bow method, but that will probably result in a 50 foot drop without the benefit of a filled parachute. A few bounces off the pine tree may help to slow the drop, but the landing will still be traumatic. The pole should be able to gently set the package down in

the clearing, with full control of the landing speed.

You might want to go prepared for both methods, as well as using the pole to hook a line to the package lines to apply additional force

Good luck! May the wind have blown it down to the ground when you get back there.

Rick

4125. (Fwd) Re: Balloon flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-10 14:22:44 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4125 Message: 4125

A while back I asked Vallivue High School if they'd like to track a flight. Here's the response. Is there an interest in doing this?

Paul

Paul,

We can do this, and we would love to, on the 19th of October. The 12th will not be possible for me, since I am splitting my time that day between two classes!

I have a two-meter antenna being delivered this week so we will be in great shape.

Does that work for you?

Ed

> Howdy, this is Paul.
>
> We're planning a balloon flight for around mid-October. Would you
> like the school's ham shack to act as mission control? I'm thinking
> that we would train the students to run prediction software a week
> before. We launch early Saturday morning, so you're students
> need to be at the shack early, but we'll try to delay as late as
> possible (8:00 is doable). They would monitor the flight and
> communications with chase crews over the repeater.
>
> We have a flight readiness review on Friday's before the flight at the
> Jade Garden (so we can eat dinner). Students would be able to
> present their predictions that evening. We could even move the
> location of the review if necessary.
>
> Can we make this happen within about 6 weeks?
>
> Paul

4126. Re: [tvnsp] Capsule Rescue

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-10 14:28:46 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4117 Message: 4126

> If you can get a pole 50 feet up to cut the limb then you
> can just lift the parachute up and out. No need to cut the
> limb. Paul and Justin, you two are the only eye witnesses,
> does that make sense?

Now that I think about this, I think this makes the most sense.
The poles will be light weight and easy to carry. Justin's pictures
should show that the capsule is on the outside of the branches,
and not buried deeply.

> I've been looking at my 40 ft. high telescoping antenna mast
> in my backyard. Even 40 feet is a long ways up. It is raised
> by extending it straight up one section at a time. Guy wires
> are use to steady it while raising it. Perhaps it could be
> raised next to the tree then walk it in closer. A 10 foot
> section could be added to it. I have reservations about this
> idea.

The end of the pole will be 20' of my fiberglass rod. It's stiff for it's
size and light weight.

> How about the Bow and Arrow idea? Paul and Justin, did it
> look like you could pull it out of the tree if a string were
> run next to it?

I think so. we just need to pass the arrow bewteen the branches
and the tree trunk.

> How about the High Limb Rope Chain Saw idea that Randy came
> up with. Is there a practical way to place it in the right
> spot? If you cut the branch will it just fall to the next
> branch?

It might just fall to the next branch, but that brings it closer to us.

> Here are two idea's that I'm working on...
> 1) I have a tent that uses flexible fiberglass poles held
> together with an elastic string in the middle. The total
> length is 53 feet. I just have to connect the four sections.
> It can be raised next to the tree in sections using the tree
> branches to snake it through which would provide support.
> Sneak up on the parachute and snag it. I will try it with my
> 40 foot tree tonight.

At what time? I'd like to stop by when you do this.

> 2) Take sections of schedule 80 PVC pipe and assemble it as
> it is being raised under the tree. Same principle as above.
> If I have time I will run down to Home Depot tonight and see
> if this pipe is stiff enough.

I'm wondering about the weight also.

> If a tree falls in the woods and no one is around to hear it
> did it make a sound?

If we fall out of a tree, will we make a sound?

Paul

4127. Re: [tvnsp] Capsule Rescue

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-10 14:33:16 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4117 Message: 4127

> Hi all,
>
> I have tested the tent pole method. The poles are too
> flexible. I was able to put 30 feet up into the tree but I
> could not direct the end of it to go where I wanted it.

I'd like to test my kite poles. They should be stiffer.

> I could not find Schedule 80 pipe. I looked at 1/2 inch
> Schedule 40. It is much stiffer than the tent poles. I'm
> still not sure that I could direct the end of it to a
> specific location because of the height. When you try this
> you find that 50 feet is a long way to go.

Perhaps my kite poles could be coupled to the PVC. The PVC
then only needs to go part way up. I also think we should have
extra poles to guide the main pole.

> Randy wrote:
>
> I have the bow, equipment and the experience to perform this
> task.
> My problem is a prior commitment for this Saturday.
> Does anyone in the group know how to handle a compound bow?
>
> Randy, if we can't make it this Saturday could you make it
> next Saturday?

I'm worried that a compound bow is too strong.

Paul

4128. Re: [tvnsp] Capsule Rescue

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-10 14:34:44 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4117 Message: 4128

> For safety I think I'd glue those joints. Enough primer and glue to do the
> trick would be minimal additional weight to carry. Take along a PVC cutter
> or saw and you can disassemble it. Keep in mind you'll need to pull on it
> to saw... Might be worth using at least one cross fitting instead of a slip
> union. That way you can put a guy rope through it.

Even if we just used solid pipe, the idea of having a guy rope part
way up is a good one.

Paul

4129. RE: [tvnsp] TV02F Rescue

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-10 13:31:06 UTC
From: Randy Farley
Topic: 4082 Message: 4129

Now that would really be cool Bill.
Mount a camera on it and put it live on the web.

>>> bill_blohm@... 09/09/02 06:21PM >>>
Just so not to be completely negative, anyone know any RC chopper pilots?

73 de Bill, KC7JSD

> -----Original Message-----
> From: BLOHM,BILL (HP-Boise,ex1) [mailto:bill_blohm@...]
> Sent: Monday, September 09, 2002 6:20 PM
> To: 'tvnsp@yahoogroups.com'
> Subject: RE: [tvnsp] TV02F Rescue
>
>
> Guys,
>
> Keep in mind that if this is BLM or Forestry land, cutting
> may not be an
> option.
>
> 73 de Bill, KC7JSD
>
> > -----Original Message-----
> > From: Zack Clobes [mailto:zclobes@...]
> > Sent: Monday, September 09, 2002 5:32 PM
> > To: tvnsp@yahoogroups.com
> > Subject: Re: [tvnsp] TV02F Rescue
> >
> >
> > A saw blade at the end of 50' of mast gets pretty heavy,
> > awkward, and hard
> > to control. I suggest you practice before you get out there.
> >
> > Zack Clobes, W0ZC
> > Project: Traveler
> >
> > ----- Original Message -----
> > From: <verhap@...>
> > To: <tvnsp@yahoogroups.com>
> > Sent: Monday, September 09, 2002 2:38 PM
> > Subject: Re: [tvnsp] TV02F Rescue
> >
> >
> > > Another capitol idea. We saw that #$^%$ off.
> > >

> > > Paul
> > >
> > > > >Lloyd made a suggestion we use an extending tree saw.
> > > > >I think I've seen these. Can one reach 50 feet?
> > > > >
> > > > > How about a wire saw? Shoot a line over the branch the
> payload is
> > hanging from, pull a wire saw up into position, saw off the limb.
> > > > >
> > > > > 73 de Mark N9XTN
> > > > >
> > > > >
> > > > >
> > > > >
> > > > >
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4130. Re: [tvnsp] Capsule Rescue

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-10 14:44:26 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4117 Message: 4130

Rick, I'm not fully understanding your explanation. The ropes and conduit are on the ground when we lift the conduit?

How much does conduit weigh?

Paul

4131. RE: [tvnsp] Accident

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-10 13:55:50 UTC
From: John Knapp
Topic: 4042 Message: 4131

If repeaters are available in an area. In this case, the only one was 146.84 and I had could only hear it on several occasions. Otherwise there were no repeaters in the area, we had to rely on simplex.

I need to learn more about how to set up a repeater, my radio will do cross-band but I have no idea what I would be doing. Maybe this winter you could give a class on it.

JohnK

--- Bill Herrmann <bherrman@...> wrote:
> At 11:59 AM 9/8/02 -0700, you wrote:
> >I'm really sorry to hear what happened to Deb, and
> am glad it turned out OK
> >in the end.
>
> I'll second that - keep us posted on how she's
> doing.
>
> >My first impulse, based on the fact that being deaf
> I think PACKET, was
> >portable digis that could be dropped along the
> trail in a situation like
> >this where two remain behind part way and the rest
> go on.
>
> It's not just deaf... In this situation at least one
> of the vehicles with a
> mobile rig in it needs to be set to digipeat. Then
> those in the party that
> have D7's (or other mobile APRS gear) can get
> messages out to net control.
> You might be able to do something similar for voice
> with radios that are
> capable of functioning as a repeater. (in many cases
> this means cross-band
> repeating) However, the duty cycle requirements for
> packet are much less.
> As Bill B. mentions a portable digipeat station
> could extend that range
> even further.
>
> Check out http://home.earthlink.net/~wa8inz/ for the
> "Porta-Digi"

> (Personally I'd suggest using a TV Twin Lead J-Pole
> for ease of carrying.)
>
> A contact schedule should probably be arranged prior
> to leaving the rigs.
> Along with a schedule we should probably pick out a
> primary and backup
> repeater based on what we can hit easily. Generally
> we have enough HT's
> along that we could monitor several repeaters by
> assigning people.
>
> >The bad part of this, obviously, is the need for
> more gear to alway be
> >carried along on the chase.
>
> Think of it as insurance. If you carry the gear you
> won't need it. <grin>
>
> Bill
>
>
>

Yahoo! - We Remember
9-11: A tribute to the more than 3,000 lives lost
http://dir.remember.yahoo.com/tribute

4132. Re: [tvnsp] Capsule Rescue

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-10 14:12:32 UTC
From: Randy Farley
Topic: 4117 Message: 4132

Yes i can make next Saturday. I could make it this Sunday if
people did not mind working that day.

Im looking into the slingshot method for simplicity. If anyone
has an HRO catalog, check out the one they sell for putting
dipoles into trees and see what you think.
You can buy the same thing at any sporting goods store.

I have done the bow thing for 30 to 40 foot trees. It is just difficult
to keep all that string from getting tangled when you are aiming
upwards. The method i use was designed for bow fishing so
the slack line always falls foreward or down if you loose taughtness
between the arrow and the line spool on the bow.
Just takes some practice and patience to get a line that high.
I am going to look into the closed face fishing spool to handle the line.
I thought about upgrading to one of those,but never had a pressing
need. This may be the pressing need now !

I'm glad you are practicing with the pole method. That is a lot of
stuff too pack into that creek even if it would work.

>>> kd7inn@... 09/09/02 10:12PM >>>
Hi all,

I have tested the tent pole method. The poles are too
flexible. I was able to put 30 feet up into the tree but I
could not direct the end of it to go where I wanted it.
I could not find Schedule 80 pipe. I looked at 1/2 inch
Schedule 40. It is much stiffer than the tent poles. I'm
still not sure that I could direct the end of it to a
specific location because of the height. When you try this
you find that 50 feet is a long way to go.
I looked at paint roller handles. They had one telescoping
handle that was 23 feet long and it was pretty steady and
light weight. Unfortunately you can't join them together to
make a longer one. Isn't there 10 foot sections that you can
screw together?
The 1/2" electrical conduit looked good but I couldn't find
a way to join them together with a dependable joint. It's
only $1.36 per 10 feet. The regular conduit couplers are to
weak for our application. Any idea's here?
Does anybody have a monkey?
Paul, do your rabbits climb trees?

Randy wrote:

I have the bow, equipment and the experience to perform this
task.
My problem is a prior commitment for this Saturday.
Does anyone in the group know how to handle a compound bow?

Randy, if we can't make it this Saturday could you make it
next Saturday?

Jeff
KD7INN

John Knapp wrote:
>
> Jeff, I think you are right. Deb and I have been
> talking about all of the ideas that have come forward.
> We think sawing the branch will cause the limb to fall
> to the next one. Of course, I have not seen pictures
> of it. The PVC pipe sounds like a good idea. The pipe
> could be cut into five foot sections and connected
> with slip connectors as needed. I have never tried to
> move a fifty foot section, have moved 20 and 25 ft
> sections though. And using the tree for support to
> connect the pipes together would also be a good idea.
>
> Bring extra pipe incase a section splinters for some
> reason.
>
> JohnK
> --- Jeff Melanson <kd7inn@...> wrote:
> > Hi all,
> >
> > Let's think this through...
> >
> > If you can get a pole 50 feet up to cut the limb
> > then you
> > can just lift the parachute up and out. No need to
> > cut the
> > limb. Paul and Justin, you two are the only eye
> > witnesses,
> > does that make sense?
> > I've been looking at my 40 ft. high telescoping
> > antenna mast
> > in my backyard. Even 40 feet is a long ways up. It
> > is raised
> > by extending it straight up one section at a time.
> > Guy wires
> > are use to steady it while raising it. Perhaps it
> > could be
> > raised next to the tree then walk it in closer. A 10
> > foot
> > section could be added to it. I have reservations
> > about this

> > idea.
> > How about the Bow and Arrow idea? Paul and Justin,
> > did it
> > look like you could pull it out of the tree if a
> > string were
> > run next to it?
> > How about the High Limb Rope Chain Saw idea that
> > Randy came
> > up with. Is there a practical way to place it in the
> > right
> > spot? If you cut the branch will it just fall to the
> > next
> > branch?
> >
> > Here are two idea's that I'm working on...
> > 1) I have a tent that uses flexible fiberglass poles
> > held
> > together with an elastic string in the middle. The
> > total
> > length is 53 feet. I just have to connect the four
> > sections.
> > It can be raised next to the tree in sections using
> > the tree
> > branches to snake it through which would provide
> > support.
> > Sneak up on the parachute and snag it. I will try it
> > with my
> > 40 foot tree tonight.
> > 2) Take sections of schedule 80 PVC pipe and
> > assemble it as
> > it is being raised under the tree. Same principle as
> > above.
> > If I have time I will run down to Home Depot tonight
> > and see
> > if this pipe is stiff enough.
> >
> > If a tree falls in the woods and no one is around to
> > hear it
> > did it make a sound?
> >
> > Jeff
> > KD7INN
> >
>
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> http://dir.remember.yahoo.com/tribute
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4133. Re: [tvnsp] Capsule Rescue

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-10 14:42:49 UTC
From: Randy Farley
Topic: 4117 Message: 4133

>>> verhap@... 09/10/02 07:33AM >>>
> Hi all,

I'm worried that a compound bow is too strong.

I would be better if i had just a recurve bow.
The compound bow does not perform real well
at partial draw,but it can be done.
You may have to sacrifice the parachute for this
method.
Also keep the spotted owls outta the way ;-)

Keep working on the poll method. Got a pack llama
arranged for all the poles?

Paul

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4134. Re: TV02F Photos

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-10 14:55:35 UTC
From: Justin Formolo
Topic: 4067 Message: 4134

> I'll post the pics to page and then after they are placed, I will need a description for each picture. Will that work for you?

Andrea,

Ya, that's not a problem at all. Just hope my memory last long enough.

Justin

4135. Meetings

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-10 15:02:05 UTC
From: John Knapp
Topic: 4117 Message: 4135

Last Sunday Jeff requested I handle setting up
training and meetings. I also believe Stephanie was
oing something with this. Could someone refresh this
old man's poor memory?

JohnK

_____
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4136. TV02F Tree Photos posted

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-10 15:29:48 UTC
From: Justin Formolo
Topic: 4136 Message: 4136

Hi All,

I've been reading through everyone's different ideas about extracting the capsule from out of the tree. I don't think some of you know what we are up against so I posted a few photos on the Yahoo group page. I was going to wait for them to be posted at our website, but things are moving along at an increasing speed . They are in the photo folder called TV02F Capsule. I have decided to name the tree, well "The Tree." I know, real original. I have called it other names which can be spelled out by holding the the shift key and typing the number keys randomly on a keyboard. I'm not sure if the photos can get any larger than they appear on the group page, they looked small to me. Hope they can shine some light on a practical idea to get this thing out.

Justin, KD7PIT

4137. Pushups

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-10 15:36:57 UTC
From: Doug Rich
Topic: 4137 Message: 4137

I have worked with a commercial 40' pushup. I is made with airplane aluminum and is very light weight. It has guy rings and if any type of pushup would work this would be it. BUT. At full length it is not usable without guys. It even has a device you put your truck tire on to help hold it in place. I don't think anything less would work and this only goes 40'. I suggest you try some other method.

Doug W7DVR
w7dvr@...
doug@...

4138. New file uploaded to tvnsp

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-10 16:00:38 UTC
From: tvnsp@yahoogroups.com
Topic: 794 Message: 4138

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the tvnsp
group.

File : /TV02F Capusule and Tree/TV02F Track.JPG
Uploaded by : kd7pit <J_Formolo@...>
Description : KD7PIT's eTrex recorded track

You can access this file at the URL

http://groups.yahoo.com/group/tvnsp/files/TV02F%20Capusule%20and%20Tree/TV02F%20Track.JPG

To learn more about file sharing for your group, please visit

http://help.yahoo.com/help/us/groups/files

Regards,

kd7pit <J_Formolo@...>

4139. Re: TV02F Tree Photos posted

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-10 16:06:25 UTC
From: Justin Formolo
Topic: 4136 Message: 4139

REVISED:

I just found out how I can get the photo's to acual scale. Instead of posting them to the "Photos" file, I placed the pictures in the "Files" section of the Yahoo group page. It's in a file called "TV02F Capsule and Tree" Sorry for the sudden change but it's a great improvement.

Justin, KD7PIT

4140. Re: [tvnsp] TV02F Tree Photos posted

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-10 17:49:33 UTC
From: John Knapp
Topic: 4136 Message: 4140

Thanks Justin for posting the pictures. After looking
at the tree and reading some of the comments about
using poles, etc both Deb and I believe the best way
to retrieve our lost package would be to climb the
tree and then use a pole to either push the capsule
out so it will drop to the ground or to pull the
capsule in to the climber.

Hope to see you Thursday night at the Jade Garden.

John and Deb

--- Justin Formolo <J_Formolo@...> wrote:
> Hi All,
>
> I've been reading through everyone's different ideas
> about extracting
> the capsule from out of the tree. I don't think
> some of you know
> what we are up against so I posted a few photos on
> the Yahoo group
> page. I was going to wait for them to be posted at
> our website, but
> things are moving along at an increasing speed .
> They are in the
> photo folder called TV02F Capsule. I have decided
> to name the tree,
> well "The Tree." I know, real original. I have
> called it other
> names which can be spelled out by holding the the
> shift key and
> typing the number keys randomly on a keyboard. I'm
> not sure if the
> photos can get any larger than they appear on the
> group page, they
> looked small to me. Hope they can shine some light
> on a practical
> idea to get this thing out.
>
> Justin, KD7PIT
>
>

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4141. RE: [tvnsp] TV02F Rescue

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-10 18:13:32 UTC
From: Tim Rynearson
Topic: 4082 Message: 4141
Attachments: 2 described; binary payloads are missing from this source WARC

Darryl Ford, KC7MTC, is an RC helicopter enthusiast.....

-------Original Message-------

From: tvnsp@yahoogroups.com
Date: Monday, September 09, 2002 05:54:49 PM
To: 'tvnsp@yahoogroups.com'
Subject: RE: [tvnsp] TV02F Rescue

Just so not to be completely negative, anyone know any RC chopper pilots?

73 de Bill, KC7JSD

> -----Original Message-----
> From: BLOHM,BILL (HP-Boise,ex1) [mailto:bill_blohm@...]
> Sent: Monday, September 09, 2002 6:20 PM
> To: 'tvnsp@yahoogroups.com'
> Subject: RE: [tvnsp] TV02F Rescue
>
>
> Guys,
>
> Keep in mind that if this is BLM or Forestry land, cutting
> may not be an
> option.
>
> 73 de Bill, KC7JSD
>
> > -----Original Message-----
> > From: Zack Clobes [mailto:zclobes@...]
> > Sent: Monday, September 09, 2002 5:32 PM
> > To: tvnsp@yahoogroups.com
> > Subject: Re: [tvnsp] TV02F Rescue
> >
> >
> > A saw blade at the end of 50' of mast gets pretty heavy,
> > awkward, and hard
> > to control. I suggest you practice before you get out there.
> >
> > Zack Clobes, W0ZC
> > Project: Traveler
> >
> > ----- Original Message -----
> > From: <verhap@...>
> > To: <tvnsp@yahoogroups.com>

> > Sent: Monday, September 09, 2002 2:38 PM
> > Subject: Re: [tvnsp] TV02F Rescue
> >
> >
> > > Another capitol idea. We saw that #$^%$ off.
> > >
> > > Paul
> > >
> > > > >Lloyd made a suggestion we use an extending tree saw.
> > > > >I think I've seen these. Can one reach 50 feet?
> > > >
> > > > How about a wire saw? Shoot a line over the branch the
> payload is
> > hanging from, pull a wire saw up into position, saw off the limb.
> > > >
> > > > 73 de Mark N9XTN
> > > >
> > > >
> > > >
> > > >
> > > >
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4142. RE: [tvnsp] Accident

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-10 19:21:24 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4042 Message: 4142

> I need to learn more about how to set up a repeater,
> my radio will do cross-band but I have no idea what I
> would be doing. Maybe this winter you could give a
> class on it.

John, do you want to schedule a meeting that focuses on getting everyone's HTs programmed for likely repeaters? Perhaps we can get a map of repeater coverage to go with every chase vehicle.

Paul

4143. Re: [tvnsp] Pushups

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-10 19:25:09 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4137 Message: 4143

> I have worked with a commercial 40' pushup. I is made with airplane
> aluminum and is very light weight. It has guy rings and if any type of
> pushup would work this would be it. BUT. At full length it is not usable
> without guys.

I think we only have guys going out to attempt the rescue.
;)

It even has a device you put your truck tire on to help hold
> it in place. I don't think anything less would work and this only goes
> 40'. I suggest you try some other method.

Can we tape the fiberglass poles to the end of it?

Paul

4144. RE: [tvnsp] TV02F Rescue

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-10 18:27:07 UTC
From: Tim Rynearson
Topic: 4082 Message: 4144
Attachments: 2 described; binary payloads are missing from this source WARC

And Darryl has ATV gear, too....

-------Original Message-------

From: tvnsp@yahoogroups.com
Date: Tuesday, September 10, 2002 07:14:07 AM
To: tvnsp@yahoogroups.com
Subject: RE: [tvnsp] TV02F Rescue

Now that would really be cool Bill.
Mount a camera on it and put it live on the web.

>>> bill_blohm@... 09/09/02 06:21PM >>>
Just so not to be completely negative, anyone know any RC chopper pilots?

73 de Bill, KC7JSD

> -----Original Message-----
> From: BLOHM,BILL (HP-Boise,ex1) [mailto:bill_blohm@...]
> Sent: Monday, September 09, 2002 6:20 PM
> To: 'tvnsp@yahoogroups.com'
> Subject: RE: [tvnsp] TV02F Rescue
>
>
> Guys,
>
> Keep in mind that if this is BLM or Forestry land, cutting
> may not be an
> option.
>
> 73 de Bill, KC7JSD
>
> > -----Original Message-----
> > From: Zack Clobes [mailto:zclobes@...]
> > Sent: Monday, September 09, 2002 5:32 PM
> > To: tvnsp@yahoogroups.com
> > Subject: Re: [tvnsp] TV02F Rescue
> >
> >
> > A saw blade at the end of 50' of mast gets pretty heavy,
> > awkward, and hard
> > to control. I suggest you practice before you get out there.
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> > Zack Clobes, W0ZC
> > Project: Traveler

> >
> > ----- Original Message -----
> > From: <verhap@...>
> > To: <tvnsp@yahoogroups.com>
> > Sent: Monday, September 09, 2002 2:38 PM
> > Subject: Re: [tvnsp] TV02F Rescue
> >
> >
> > > Another capitol idea. We saw that #$^%$ off.
> > >
> > > Paul
> > >
> > > > >Lloyd made a suggestion we use an extending tree saw.
> > > > >I think I've seen these. Can one reach 50 feet?
> > > >
> > > > How about a wire saw? Shoot a line over the branch the
> payload is
> > hanging from, pull a wire saw up into position, saw off the limb.
> > > >
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.

4145. Odds and Ends

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-10 19:59:12 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1077 Message: 4145

Last night I wrote the 300th page of the near space book, The Near Space Files. I am planning to send a couple of chapters to Parallax next week so they can begin the final edits.

Currently I'm writing one of its appendices. This appendix covers the BS2p lessons that I will teach to TVNSP this Fall/Winter.

Sky and Telescope would like more photograph submissions from the balloon program. I'd like to send them photos of sunrise. Can we schedule another launch before the end of the year to record sunrise?

It was funny, Ms. Joson, their photo editor, asked me if I was an astronaut. She also asked (twice!) that we were really amateurs, and not professionals. She is very impressed with our webpage and the photograph.

We need to bring the unused helium tank back to Sheehans. I'll pay for the used tank today after school. We have a 1500 gram balloon and three partial tanks of helium to use this year.

Don't forget, Vallivue would like to be get involved with tracking a flight.

Paul

4146. TV02F Data

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-10 21:08:28 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4146 Message: 4146
Attachments: 2 described; binary payloads are missing from this source WARC

I'm including a clean TV02F log and a Quattro Pro spread sheet.

I'll have several graphs for TVNSP crew at our next meeting.

Enjoy.

Paul

PS, does anyone know if the Snake River club will be meeting at Elmer's next week?

PPS, who plans to be at the VOI meeting this week?

PPPS, Doug, is their a microcontroller meeting before the VOI meeting? I'm putting together a set of lesson plans for the BS2p that TVNSP can arrange to teach.

4147. Re: [tvnsp] TV02F Data

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-10 20:18:17 UTC
From: Tim Rynearson
Topic: 4146 Message: 4147
Attachments: 2 described; binary payloads are missing from this source WARC

Paul (and everyone else),

The VOI is kicking off an EMMETT chapter with a meeting this Thursday at
7 PM at the Pizza Factory in Emmett. All are invited to attend. Talk in will
be on 146.52

Tim....

-------Original Message-------

From: tvnsp@yahoogroups.com
Date: Tuesday, September 10, 2002 01:41:36 PM
To: tvnsp@yahoogroups.com
Subject: [tvnsp] TV02F Data

I'm including a clean TV02F log and a Quattro Pro spread sheet.

I'll have several graphs for TVNSP crew at our next meeting.

Enjoy.

Paul

PS, does anyone know if the Snake River club will be meeting at
Elmer's next week?

PPS, who plans to be at the VOI meeting this week?

PPPS, Doug, is their a microcontroller meeting before the VOI
meeting? I'm putting together a set of lesson plans for the BS2p
that TVNSP can arrange to teach.

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4148. Re: [tvnsp] TV02F Data

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-10 21:28:15 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4146 Message: 4148

We have a TVNSP this Thursday. Can we arrange to present at
next month's meeting?

Paul

> Paul (and everyone else),
>
> The VOI is kicking off an EMMETT chapter with a meeting this Thursday at
> 7 PM at the Pizza Factory in Emmett. All are invited to attend. Talk in will
> be on 146.52
>
> Tim....
>
> -------Original Message-------
>
> From: tvnsp@yahoogroups.com
> Date: Tuesday, September 10, 2002 01:41:36 PM
> To: tvnsp@yahoogroups.com
> Subject: [tvnsp] TV02F Data
>
> I'm including a clean TV02F log and a Quattro Pro spread sheet.
>
> I'll have several graphs for TVNSP crew at our next meeting.
>
> Enjoy.
>
> Paul
>
> PS, does anyone know if the Snake River club will be meeting at
> Elmer's next week?
>
> PPS, who plans to be at the VOI meeting this week?
>
> PPPS, Doug, is their a microcontroller meeting before the VOI
> meeting? I'm putting together a set of lesson plans for the BS2p
> that TVNSP can arrange to teach.
>
>
> To unsubscribe from this group, send an email to:
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4149. TVNSP 02F analysis question

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-10 21:25:17 UTC
From: n9xtn@cox.net
Topic: 4149 Message: 4149

What was the interval of the position reports? I'm trying to work out ascent/descent rates.

- Mark

4150. RE: [tvnsp] Accident

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-10 21:39:21 UTC
From: John Knapp
Topic: 4042 Message: 4150

This winter if Bill would do a class on something of
this nature, it would be a great idea. I am not sure
at the current time when the next regularily schedule
meeting is but we need to have everyone present so we
can work up a training schedule, etc.

JohnK
--- verhap@... wrote:
> > I need to learn more about how to set up a
> repeater,
> > my radio will do cross-band but I have no idea
> what I
> > would be doing. Maybe this winter you could give a
> > class on it.
>
> John, do you want to schedule a meeting that focuses
> on getting
> everyone's HTs programmed for likely repeaters?
> Perhaps we can
> get a map of repeater coverage to go with every
> chase vehicle.
>
> Paul
>

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http://autos.yahoo.com

4151. Re: [tvnsp] TV02F Data

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-10 21:51:08 UTC
From: John Knapp
Topic: 4146 Message: 4151

The Snake River Club will be meeting Wednesday, Sept
18, at Elmers in Nampa. All are welcome to attend.

JohnK
--- verhap@... wrote:
> I'm including a clean TV02F log and a Quattro Pro
> spread sheet.
>
> I'll have several graphs for TVNSP crew at our next
> meeting.
>
> Enjoy.
>
> Paul
>
> PS, does anyone know if the Snake River club will be
> meeting at
> Elmer's next week?
>
> PPS, who plans to be at the VOI meeting this week?
>
> PPPS, Doug, is their a microcontroller meeting
> before the VOI
> meeting? I'm putting together a set of lesson plans
> for the BS2p
> that TVNSP can arrange to teach.
> > The following section of this message contains a
> file attachment
> prepared for transmission using the Internet MIME
> message format.
> If you are using Pegasus Mail, or any another
> MIME-compliant system,
> you should be able to save it or view it from within
> your mailer.
> If you cannot, please ask your system administrator
> for assistance.
>
> ---- File information -----------
> File: tv02f.wb1
> Date: 9 Sep 2002, 19:27
> Size: 48507 bytes.
> Type: Unknown
>

> ATTACHMENT part 3 application/octet-stream
name=tv02f.wb1; type=Unknown
> 4254.39,11541.28,358,000,002526
> 4254.39,11541.27,358,000,002519
> 4254.39,11541.27,358,000,002522
> 4254.40,11541.25,061,024,002657
> 4254.44,11541.18,067,024,003152
> 4254.47,11541.11,355,009,003644
> 4254.48,11541.03,162,009,004153
> 4254.51,11540.98,052,018,004691
> 4254.52,11540.91,023,018,005232
> 4254.54,11540.84,014,004,005842
> 4254.57,11540.77,176,009,006453
> 4254.60,11540.77,032,012,007105
> 4254.65,11540.73,052,023,007588
> 4254.69,11540.66,019,013,008080
> 4254.71,11540.57,106,014,008588
> 4254.74,11540.52,126,013,008952
> 4254.78,11540.40,031,011,009159
> 4254.82,11540.27,027,022,009405
> 4254.87,11540.11,099,012,009769
> 4254.92,11539.97,064,025,010209
> 4254.97,11539.83,038,015,010599
> 4255.03,11539.67,061,036,011049
> 4255.09,11539.49,070,037,011547
> 4255.17,11539.29,047,035,012007
> 4255.24,11539.18,004,018,012436
> 4255.29,11539.11,328,011,012896
> 4255.35,11539.09,011,021,013342
> 4255.40,11539.06,026,007,013837
> 4255.45,11539.06,019,016,014316
> 4255.52,11539.09,026,014,014776
> 4255.63,11539.09,004,026,015202
> 4255.77,11539.06,030,029,015651
> 4255.90,11538.99,013,041,016107
> 4256.06,11538.92,020,042,016550
> 4256.21,11538.81,002,018,016996
> 4256.37,11538.69,042,028,017453
> 4256.53,11538.55,014,039,017905
> 4256.70,11538.41,051,036,018345
> 4256.89,11538.27,017,032,018781
> 4257.08,11538.15,031,053,019263
> 4257.33,11538.02,006,040,019733
> 4257.59,11537.90,026,035,020208
> 4257.87,11537.79,003,056,020651
> 4258.13,11537.73,006,035,021084
> 4258.41,11537.72,350,036,021524
> 4258.67,11537.68,003,033,022042
> 4258.95,11537.67,350,062,022574
> 4259.22,11537.67,010,057,023089
> 4259.48,11537.68,356,050,023623

> 4259.79,11537.59,000,061,024197
> 4300.17,11537.46,021,054,024788
> 4300.52,11537.35,019,067,025411
> 4300.94,11537.20,017,089,026064
> 4301.37,11537.00,031,087,026550
> 4301.81,11536.76,014,080,027025
> 4302.26,11536.55,020,090,027600
> 4302.74,11536.33,017,101,028187
> 4303.16,11536.08,034,085,028840
> 4303.62,11535.80,024,077,029496
> 4304.10,11535.53,030,107,030165
> 4304.59,11535.22,021,101,030854
> 4305.08,11534.93,016,084,031490
> 4305.59,11534.65,023,106,032137
> 4306.67,11534.08,023,093,033301
> 4307.21,11533.80,030,096,033866
> 4307.78,11533.51,018,092,034397
> 4308.34,11533.20,024,083,034915
> 4308.91,11532.89,021,114,035457
> 4309.46,11532.58,030,111,036027
> 4310.01,11532.31,026,093,036654
> 4310.60,11532.01,023,112,037304
> 4311.14,11531.69,024,095,037953
> 4312.23,11531.16,007,098,039361
> 4312.80,11530.92,016,118,040056
> 4313.38,11530.68,025,096,040768
> 4313.97,11530.44,014,103,041513
> 4314.61,11530.14,016,115,042225
> 4315.19,11529.81,018,105,042858
> 4315.71,11529.50,018,103,043478
> 4316.21,11529.23,022,101,044150
> 4316.69,11528.93,028,091,043845
> 4317.17,11528.65,026,093,042743
> 4317.76,11528.31,018,115,041660
> 4318.37,11528.03,018,113,040594
> 4318.96,11527.78,016,102,039574
> 4320.10,11527.20,019,102,037648
> 4321.24,11526.66,018,109,035847
> 4321.80,11526.38,022,102,034961
> 4322.35,11526.12,020,105,034118
> 4322.92,11525.85,017,110,033301
> 4323.48,11525.58,014,097,032501
> 4324.03,11525.32,025,096,031707
> 4324.56,11525.04,024,103,030929
> 4325.06,11524.75,019,088,030149
> 4326.00,11524.21,025,088,028610
> 4327.31,11523.49,017,068,026405
> 4327.70,11523.30,018,060,025756
> 4328.05,11523.20,016,061,025034
> 4328.65,11523.11,009,056,023610

> 4328.94,11523.07,001,056,022902
> 4329.23,11523.01,005,055,022193
> 4329.77,11522.87,011,043,020877
> 4330.02,11522.75,011,038,020225
> 4330.27,11522.63,015,045,019585
> 4330.50,11522.47,021,035,018945
> 4330.87,11522.24,035,028,017735
> 4331.04,11522.15,016,039,017167
> 4331.21,11522.08,001,028,016586
> 4331.48,11522.03,021,016,015471
> 4331.67,11521.99,001,018,014349
> 4331.78,11521.90,038,031,013755
> 4332.38,11521.00,064,024,010402
> 4332.53,11520.79,090,002,008693
> 4332.56,11520.77,346,010,008218
> 4332.59,11520.75,060,002,007742
> 4332.62,11520.74,333,007,007283
>

Yahoo! - We Remember
9-11: A tribute to the more than 3,000 lives lost
http://dir.remember.yahoo.com/tribute

4152. New file uploaded to tvnsp

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-10 22:46:33 UTC
From: tvnsp@yahoogroups.com
Topic: 794 Message: 4152

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the tvnsp
group.

File : /TV02F Capsule and Tree/balloon_recovery.png
Uploaded by : ka0jlf <ka0jlf@...>
Description : Simple drawing of balloon recovery idea

You can access this file at the URL

http://groups.yahoo.com/group/tvnsp/files/TV02F%20Capsule%20and%20Tree/balloon_recovery.png

To learn more about file sharing for your group, please visit

http://help.yahoo.com/help/us/groups/files

Regards,

ka0jlf <ka0jlf@...>

4153. Capsule recovery - was something else

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-10 22:53:51 UTC
From: Don Pfister
Topic: 4111 Message: 4153

--- In tvnsp@y..., Don Pfister <ka0jlf@e...> wrote:

> Here is what I got:
> capsule in tree
> clearing 5' away from tree
>
> There has been an article(s) in QST about a way to put an antenna
in
a tree. You float a line over it with balloons, drop the line, hook
the capsule/shroudlines/parachute? This might allow you to get at it
from the top if that would help any? Much like you do with the
lanyard
launch but smaller scale.
>
> What they used in QST was party type balloons, so maybe one of
those
party balloon kit tanks? Anyway, just a thought, I'm sure you will
know instantanlty if it has any use. If not sorry for the wasted time.

> Don

I haven't been able to find the magazine or article. It has a good
drawing or photo of the way to do it. I uploaded my very simple
drawing (balloon_recovery.png in files) as a means of illustrating the
idea.

From what I can see in the photos it looks like this should work. It
might be a lot simpler and saver than all the saws and long
booms/masts etc.

FWIW, since I posted this with a subject relating to a digest, I'm
not sure if anyone even saw my first post.

I would think with 3 people you should be able to do pretty well at
pulling it down.

Don

4154. Re: [tvnsp] Meetings

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-10 22:58:01 UTC
From: Jeff Melanson
Topic: 4117 Message: 4154

Hi John,

During my vacation I asked Stephanie to take care of it on a
temporary basis. I'm hoping you will take over on a longer
term basis unless Stephanie request's to do it. You might
ask her directly.

Jeff
KD7INN

John Knapp wrote:
>
> Last Sunday Jeff requested I handle setting up
> training and meetings. I also believe Stephanie was
> oing something with this. Could someone refresh this
> old man's poor memory?
>
> JohnK
>
> ---
> Do You Yahoo!?
> Yahoo! Autos - Get free new car price quotes
> http://autos.yahoo.com
>
>
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4155. Re: [tvnsp] TV02F Rescue

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-10 23:15:07 UTC
From: Jeff Melanson
Topic: 4082 Message: 4155

How do you get an RC helicopter out of a tree?

Jeff

4156. Re: [tvnsp] TVNSP 02F analysis question

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-10 23:20:04 UTC
From: Jeff Melanson
Topic: 4149 Message: 4156

Mark,

The interval was 19 seconds.

Jeff
KD7INN

n9xtn@... wrote:
>
> What was the interval of the position reports? I'm trying to work out ascent/descent rates.
>
> - Mark
>
>
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> tvnsp-unsubscribe@egroups.com
>
>
>
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4157. Re: [tvnsp] Accident

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-10 23:22:50 UTC
From: Jeff Melanson
Topic: 4042 Message: 4157

Hi John,

The regularily scheduled meeting would be Sept. 20th.

Jeff
KD7INN

John Knapp wrote:
>
> This winter if Bill would do a class on something of
> this nature, it would be a great idea. I am not sure
> at the current time when the next regularily schedule
> meeting is but we need to have everyone present so we
> can work up a training schedule, etc.
>
> JohnK
> --- verhap@... wrote:
> > > I need to learn more about how to set up a
> > repeater,
> > > my radio will do cross-band but I have no idea
> > what I
> > > would be doing. Maybe this winter you could give a
> > > class on it.
> >
> > John, do you want to schedule a meeting that focuses
> > on getting
> > everyone's HTs programmed for likely repeaters?
> > Perhaps we can
> > get a map of repeater coverage to go with every
> > chase vehicle.
> >
> > Paul
> >
>
> ~---~
> Do You Yahoo!?
> Yahoo! Autos - Get free new car price quotes
> http://autos.yahoo.com
>
>
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4158. TV02F graph

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-10 23:31:27 UTC
From: Mark Conner
Topic: 4158 Message: 4158
Attachments: 1 described; binary payloads are missing from this source WARC

Here's a graph of the ascent/descent rates and wind speeds for the flight. I tried to fix the obvious missing data by dividing the rate by the apparent number of missing observations - no correction done to the corresponding altitude. I don't think it makes too much difference for seeing trends.

The top 10,000 ft or so probably average ~2000 ft/min, which would be a record by a long shot. Justin's log has his own GPRMC time hacks every 10 seconds interspersed with the received data. Ralph, would this be good enough for record determination if the least favorable time assumptions were used?

73 de Mark N9XTN

4159. Re: [tvnsp] Capsule Rescue

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-10 23:42:35 UTC
From: Mike & Tami Cline
Topic: 4117 Message: 4159

put a wood dowel inside each section. a 3 foot section should make
enough splices to get to 50 feet.
mike wb7rws
Hi all,

I have tested the tent pole method. The poles are too
flexible. I was able to put 30 feet up into the tree but I
could not direct the end of it to go where I wanted it.
I could not find Schedule 80 pipe. I looked at 1/2 inch
Schedule 40. It is much stiffer than the tent poles. I'm
still not sure that I could direct the end of it to a
specific location because of the height. When you try this
you find that 50 feet is a long way to go.
I looked at paint roller handles. They had one telescoping
handle that was 23 feet long and it was pretty steady and
light weight. Unfortunately you can't join them together to
make a longer one. Isn't there 10 foot sections that you can
screw together?
The 1/2" electrical conduit looked good but I couldn't find
a way to join them together with a dependable joint. It's
only $1.36 per 10 feet. The regular conduit couplers are to
weak for our application. Any idea's here?
Does anybody have a monkey?
Paul, do your rabbits climb trees?

4160. Re: [tvnsp] TV02F Tree Photos posted

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-10 23:40:15 UTC
From: Jeff Melanson
Topic: 4136 Message: 4160

Hi all,

John and I are on the same track. A hunter I know will let
me borrow his tree climbing equipment. It starts with a
light weight 13 foot ladder that straps to "The Tree". Next
there are 17 foot of strap on steps. These steps have straps
that wrap around the tree to hold the steps in place. Then
there is the safety belt for the climber that also goes
around the tree. The ladder and steps puts someone 30 foot
up "The Tree". There are plenty of branches to use as steps
to go a little higher. Next someone would use a short pole
to snag the parachute/payload. The 15 ft collapsable tent
pole I have should do the trick.
I think we need to be prepared to use different methods.
Randy said he would be available with his bow on Sunday.
Would that day work for this rescue attempt?

Jeff
KD7INN

John Knapp wrote:
>
> Thanks Justin for posting the pictures. After looking
> at the tree and reading some of the comments about
> using poles, etc both Deb and I believe the best way
> to retrieve our lost package would be to climb the
> tree and then use a pole to either push the capsule
> out so it will drop to the ground or to pull the
> capsule in to the climber.
>
> Hope to see you Thursday night at the Jade Garden.
>
> John and Deb
>
> --- Justin Formolo <J_Formolo@...> wrote:
> > Hi All,
> >
> > I've been reading through everyone's different ideas
> > about extracting
> > the capsule from out of the tree. I don't think
> > some of you know
> > what we are up against so I posted a few photos on
> > the Yahoo group
> > page. I was going to wait for them to be posted at
> > our website, but
> > things are moving along at an increasing speed .

> > They are in the
> > photo folder called TV02F Capsule. I have decided
> > to name the tree,
> > well "The Tree." I know, real original. I have
> > called it other
> > names which can be spelled out by holding the the
> > shift key and
> > typing the number keys randomly on a keyboard. I'm
> > not sure if the
> > photos can get any larger than they appear on the
> > group page, they
> > looked small to me. Hope they can shine some light
> > on a practical
> > idea to get this thing out.
> >
> > Justin, KD7PIT
> >
> >
>
> _____
> Do You Yahoo!?
> Yahoo! Autos - Get free new car price quotes
> http://autos.yahoo.com
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
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>
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4161. Re: Capsule rescue

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-11 00:11:25 UTC
From: Don Pfister
Topic: 4111 Message: 4161

--- In tvnsp@y..., "Don Pfister" <ka0jlf@e...> wrote:
> --- In tvnsp@y..., Don Pfister <ka0jlf@e...> wrote:
>
> > Here is what I got:
> > capsule in tree
> > clearing 5' away from tree
> >
> > There has been an article(s) in QST about a way to put an antenna
> in
> a tree. You float a line over it with balloons, drop the line, hook
> the capsule/shroudlines/parachute? This might allow you to get at it
> from the top if that would help any? Much like you do with the
> lanyard
> launch but smaller scale.
> >
> > What they used in QST was party type balloons, so maybe one of
> those
> party balloon kit tanks? Anyway, just a thought, I'm sure you will
> know instantanlty if it has any use. If not sorry for the wasted
time.
>
> > Don
>
> I haven't been able to find the magazine or article. It has a good
> drawing or photo of the way to do it. I uploaded my very simple
> drawing (balloon_recovery.png in files) as a means of illustrating
the
> idea.
>
> From what I can see in the photos it looks like this should work. It
> might be a lot simpler and saver than all the saws and long
> booms/masts etc.
>
> FWIW, since I posted this with a subject relating to a digest, I'm
> not sure if anyone even saw my first post.
>
> I would think with 3 people you should be able to do pretty well at
> pulling it down.
>
> Don

I did finally find the article QST Feb. 1999 page 54 (one page two
pictures) "The W7DE Balloon Erections Scheme". I would suggest giving
it a look. Sounds like it might be much simplier and safer than what I
have been seeing on here.

73 de Don

4162. RE: [tvnsp] Accident

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-11 00:11:07 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 4042 Message: 4162

My Yaesu FT-51R will also do crossband, but there are some limitations. I think you can't do VHF-VHF, UHF-UHF, for example. So, if this is indeed the case, then you'll have to be prepared for the hikers to toggle between two freqs as they drop off the repeaters.

73 de Bill, KC7JSD

> -----Original Message-----
> From: John Knapp [mailto:kd7hgs@...]
> Sent: Tuesday, September 10, 2002 7:56 AM
> To: tvnsp@yahoogroups.com
> Subject: RE: [tvnsp] Accident
>
>
> If repeaters are available in an area. In this case,
> the only one was 146.84 and I had could only hear it
> on several occasions. Otherwise there were no
> repeaters in the area, we had to rely on simplex.
>
> I need to learn more about how to set up a repeater,
> my radio will do cross-band but I have no idea what I
> would be doing. Maybe this winter you could give a
> class on it.
>
> JohnK
>
>
>
> --- Bill Herrmann <bherrman@...> wrote:
> > At 11:59 AM 9/8/02 -0700, you wrote:
> > >I'm really sorry to hear what happened to Deb, and
> > am glad it turned out OK
> > >in the end.
> >
> > I'll second that - keep us posted on how she's
> > doing.
> >
> > >My first impulse, based on the fact that being deaf
> > I think PACKET, was
> > >portable digis that could be dropped along the
> > trail in a situation like
> > >this where two remain behind part way and the rest
> > go on.
> >
> > It's not just deaf... In this situation at least one

> > of the vehicles with a
> > mobile rig in it needs to be set to digipeat. Then
> > those in the party that
> > have D7's (or other mobile APRS gear) can get
> > messages out to net control.
> > You might be able to do something similar for voice
> > with radios that are
> > capable of functioning as a repeater. (in many cases
> > this means cross-band
> > repeating) However, the duty cycle requirements for
> > packet are much less.
> > As Bill B. mentions a portable digipeat station
> > could extend that range
> > even further.
> >
> > Check out http://home.earthlink.net/~wa8inz/ for the
> > "Porta-Digi"
> > (Personally I'd suggest using a TV Twin Lead J-Pole
> > for ease of carrying.)
> >
> > A contact schedule should probably be arranged prior
> > to leaving the rigs.
> > Along with a schedule we should probably pick out a
> > primary and backup
> > repeater based on what we can hit easily. Generally
> > we have enough HT's
> > along that we could monitor several repeaters by
> > assigning people.
> >
> > >The bad part of this, obviously, is the need for
> > more gear to alway be
> > >carried along on the chase.
> >
> > Think of it as insurance. If you carry the gear you
> > won't need it. <grin>
> >
> > Bill
> >
> >
> >
>
>
> _____
> Yahoo! - We Remember
> 9-11: A tribute to the more than 3,000 lives lost
> http://dir.remember.yahoo.com/tribute
>
> ---------- Yahoo! Groups Sponsor
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> --------~->
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to
> http://docs.yahoo.com/info/terms/
>
>

4163. RE: [tvnsp] Accident

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-11 00:14:23 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 4042 Message: 4163

Be cautious using maps showing repeater coverages. They will tend to show ideal coverage, not realistic coverage. Also, subtle changes in terrain not covered by the maps will fool the coverage map into showing better coverage than you'd think, or would provide radio holes in areas where you'd otherwise have good coverage. I can think of a couple Treasure Valley sites where this is the case (2m rf holes), but a map showing coverage of Cinnabar would indicate good coverage.

73 de Bill, KC7JSD

> -----Original Message-----
> From: verhap@... [mailto:verhap@...]
> Sent: Tuesday, September 10, 2002 6:21 AM
> To: tvnsp@yahoogroups.com
> Subject: RE: [tvnsp] Accident
>
>
> > I need to learn more about how to set up a repeater,
> > my radio will do cross-band but I have no idea what I
> > would be doing. Maybe this winter you could give a
> > class on it.
>
> John, do you want to schedule a meeting that focuses on getting
> everyone's HTs programmed for likely repeaters? Perhaps we can
> get a map of repeater coverage to go with every chase vehicle.
>
> Paul
>
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> ----------------------~-->
> Looking for a more powerful website? Try GeoCities for $8.95
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> http://us.click.yahoo.com/aHOo4D/KJoEAA/MVfIAA/RGYolB/TM
> ---
> --------~->
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to

http://docs.yahoo.com/info/terms/

4164. The Road

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-11 00:57:08 UTC
From: Jeff Melanson
Topic: 4164 Message: 4164

Hi John the Elder (Therefore the wiser theoretically),

Paul tells me that you traveled to Pine on a dirt road but that the Ambulance came back on a paved road. Isn't the main road to Pine paved? What's the story on the roads? Is Anderson Dam the paved road? Anderson Dam road becomes Lake Creek Rd on my map. Then it becomes Sloan Gulch Rd. Then when you pass Pine it becomes FH61. Is there another road not on my map?

Jeff
KD7INN

4165. Re: [tvnsp] The Road

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-11 02:41:36 UTC
From: John Knapp
Topic: 4164 Message: 4165

I am glad you put theoretically. We went in through
Dixie. That road is dirt most of the way to Pine. I
follows the west side of the Dam. The main road
follows part of the dam but cuts south from the dam to
Highway 20. Nice road.

Both should be on the map, I don't have mine handy,
will bring it with me Thursday night.

JohnK
--- Jeff Melanson <kd7inn@...> wrote:
> Hi John the Elder (Therefore the wiser
> theoretically),
>
> Paul tells me that you traveled to Pine on a dirt
> road but
> that the Ambulance came back on a paved road. Isn't
> the main
> road to Pine paved? What's the story on the roads?
> Is
> Anderson Dam the paved road? Anderson Dam road
> becomes Lake
> Creek Rd on my map. Then it becomes Sloan Gulch Rd.
> Then
> when you pass Pine it becomes FH61. Is there another
> road
> not on my map?
>
> Jeff
> KD7INN
>

_____
Yahoo! - We Remember
9-11: A tribute to the more than 3,000 lives lost
http://dir.remember.yahoo.com/tribute

4166. SA file of "The Hike"

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-11 03:00:54 UTC
From: Mark Conner
Topic: 4166 Message: 4166

Can someone e-mail or upload the Street Atlas file showing the hike in? Alternatively, what are the GPS coordinates of the capsule's final position?

73 de Mark N9XTN

4167. Re: [tvnsp] TV02F graph

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-11 08:49:51 UTC
From: Ralph Wallio, W0RPK
Topic: 4158 Message: 4167

Let me get this straight to make sure I haven't been paying attention. The payload periodically reported altitude but without time stamps. Justin's ground station captured these reports while also capturing $GPRMC frames. Mark used time stamps in these local $GPRMC frames to position payload altitudes in time, with accuracy limited by payload report and $GPRMC intervals and by missed payload packets.

Assuming this is close to correct, I think it is reasonable to use these pseudo time stamps to calculate ascent rate and, when using least favorable error margins, for an ascent rate record submission. The value would be over any 10,000ft (or more) of ascent.

Standing by.

TNX es 73 de Ralph Wallio, W0RPK
wallio@...
http://members.crosspaths.net/wallio
No system should be more complicated than it need be

----- Original Message -----
From: Mark Conner
To: TVNSP List
Sent: Tuesday, September 10, 2002 18:31 PM
Subject: [tvnsp] TV02F graph

Here's a graph of the ascent/descent rates and wind speeds for the flight. I tried to fix the obvious missing data by dividing the rate by the apparent number of missing observations - no correction done to the corresponding altitude. I don't think it makes too much difference for seeing trends.

The top 10,000 ft or so probably average ~2000 ft/min, which would be a record by a long shot. Justin's log has his own GPRMC time hacks every 10 seconds interspersed with the received data. Ralph, would this be good enough for record determination if the least favorable time assumptions were used?

73 de Mark N9XTN

4168. Re: [tvnsp] TV02F Data

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-11 10:13:04 UTC
From: Tim Rynearson
Topic: 4146 Message: 4168
Attachments: 2 described; binary payloads are missing from this source WARC

YOU BET ! ! !

-------Original Message-------

From: tvnsp@yahoogroups.com
Date: Tuesday, September 10, 2002 02:00:57 PM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] TV02F Data

We have a TVNSP this Thursday. Can we arrange to present at
next month's meeting?

Paul

> Paul (and everyone else),
>
> The VOI is kicking off an EMMETT chapter with a meeting this Thursday at
> 7 PM at the Pizza Factory in Emmett. All are invited to attend. Talk in
will
> be on 146.52
>
> Tim....

4169. RE: [tvnsp] Accident

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-11 10:26:08 UTC
From: Tim Rynearson
Topic: 4042 Message: 4169
Attachments: 2 described; binary payloads are missing from this source WARC

Two cross-band repeating radios will act as one repeater, ie. VHF->UHF on one cross-bander, UHF->VHF on the other (same UHF and VHF frequencies on both radios, of course). The main thing to remember when doing this though, is to be sure and pause long enough for the cross-banders to switch between xmit and receive.

Tim

-------Original Message-------

From: tvnsp@yahoogroups.com
Date: Tuesday, September 10, 2002 05:43:59 PM
To: 'tvnsp@yahoogroups.com'
Subject: RE: [tvnsp] Accident

My Yaesu FT-51R will also do crossband, but there are some limitations. I think you can't do VHF-VHF, UHF-UHF, for example. So, if this is indeed the case, then you'll have to be prepared for the hikers to toggle between two freqs as they drop off the repeaters.

73 de Bill, KC7JSD

> -----Original Message-----
> From: John Knapp [mailto:kd7hgs@...]
> Sent: Tuesday, September 10, 2002 7:56 AM
> To: tvnsp@yahoogroups.com
> Subject: RE: [tvnsp] Accident
>
>
> If repeaters are available in an area. In this case,
> the only one was 146.84 and I had could only hear it
> on several occasions. Otherwise there were no
> repeaters in the area, we had to rely on simplex.
>
> I need to learn more about how to set up a repeater,
> my radio will do cross-band but I have no idea what I
> would be doing. Maybe this winter you could give a
> class on it.
>
> JohnK
>
>
>
> --- Bill Herrmann <bherrman@...> wrote:
> > At 11:59 AM 9/8/02 -0700, you wrote:

> > >I'm really sorry to hear what happened to Deb, and
> > am glad it turned out OK
> > >in the end.
> >
> > I'll second that - keep us posted on how she's
> > doing.
> >
> > >My first impulse, based on the fact that being deaf
> > I think PACKET, was
> > >portable digis that could be dropped along the
> > trail in a situation like
> > >this where two remain behind part way and the rest
> > go on.
> >
> > It's not just deaf... In this situation at least one
> > of the vehicles with a
> > mobile rig in it needs to be set to digipeat. Then
> > those in the party that
> > have D7's (or other mobile APRS gear) can get
> > messages out to net control.
> > You might be able to do something similar for voice
> > with radios that are
> > capable of functioning as a repeater. (in many cases
> > this means cross-band
> > repeating) However, the duty cycle requirements for
> > packet are much less.
> > As Bill B. mentions a portable digipeat station
> > could extend that range
> > even further.
> >
> > Check out http://home.earthlink.net/~wa8inz/ for the
> > "Porta-Digi"
> > (Personally I'd suggest using a TV Twin Lead J-Pole
> > for ease of carrying.)
> >
> > A contact schedule should probably be arranged prior
> > to leaving the rigs.
> > Along with a schedule we should probably pick out a
> > primary and backup
> > repeater based on what we can hit easily. Generally
> > we have enough HT's
> > along that we could monitor several repeaters by
> > assigning people.
> >
> > >The bad part of this, obviously, is the need for
> > more gear to alway be
> > >carried along on the chase.
> >
> > Think of it as insurance. If you carry the gear you
> > won't need it. <grin>

> >
> > Bill
> >
> >
> >
>
>
> _____
> Yahoo! - We Remember
> 9-11: A tribute to the more than 3,000 lives lost
> http://dir.remember.yahoo.com/tribute
>
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.

4170. RE: [tvnsp] TV02F Data

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-11 12:31:39 UTC
From: K7JPS - John
Topic: 4146 Message: 4170

Unfortunately I am not going to be able to make any of the upcoming events in the next two weeks. I am leaving on the 13th for a class in Nashville and will be gone all of next week. I'll be in Denver this weekend, but wont have time to make the DCC Conference :(

John the younger
K7JPS

-----Original Message-----
From: verhap@... [mailto:verhap@...]
Sent: Tuesday, September 10, 2002 15:08
To: tvnsp@yahoogroups.com
Subject: [tvnsp] TV02F Data

Paul

PS, does anyone know if the Snake River club will be meeting at Elmer's next week?

PPS, who plans to be at the VOI meeting this week?

PPPS, Doug, is their a microcontroller meeting before the VOI meeting? I'm putting together a set of lesson plans for the BS2p that TVNSP can arrange to teach.

4171. Re: [tvnsp] TVNSP 02F analysis question

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-11 14:18:52 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4149 Message: 4171

Oops,
the spread sheet has them already. They were one minute
intervals nominally. Towards the end several packets were
dropped. From the graphs, I was able to detrermine where packets
were dropped and how many. I accomplished this by trying to
smooth the data. I'll see if I can get my Quattro Pro spread sheet
into a comma delimited file.

Paul

> What was the interval of the position reports? I'm trying to work out ascent/descent
rates.
>
> - Mark
>
>
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>

4172. Re: [tvnsp] TV02F Rescue

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-11 14:24:19 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4082 Message: 4172

> How do you get an RC helicopter out of a tree?

With a balloon?

Paul

4173. Re: [tvnsp] TVNSP 02F analysis question

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-11 14:25:19 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4149 Message: 4173

Ninteen seconds?

Oh, I thought your TT2 was sendig packets once a minute.

Well, I'll have to trow those graphs out!

Paul

> Mark,
>
> The interval was 19 seconds.
>
> Jeff
> KD7INN
>
> n9xtn@... wrote:
> >
> > What was the interval of the position reports? I'm trying to work out ascent/descent rates.
> >
> > - Mark
> >
> >
> > To unsubscribe from this group, send an email to:
> > tvnsp-unsubscribe@egroups.com
> >
> >
> >
> > Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
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>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>

4174. Our Adventure

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-11 14:28:43 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4042 Message: 4174

TVNSP,
It's not just amateur science,
it's an adventure!

Paul

4175. (Fwd) Tree Saw

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-11 14:53:17 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4175 Message: 4175

Russ has suggested we carry a tree saw to cut lines (not limbs) if necessary. Here's the dimensions of his saw. The handle of this saw could be used to push the capsule free.

Paul

Hi Paul

Here are some pictures of my extendable tree saw. Open from top left to right, next row, left to right.

Collapsed: 6'

Extended 11.5'

Saw length 1.5'

Weight: 4.6 lbs

Shaft: Fiberglass

Blade: Removable

Other: Roper Operated Scissor

Hope this gives you an idea. I'm thinking climb 30' up the tree ladder, hoist the saw up by rope, flip the sucker out of the tree with the saw. Maybe use the scissors to cut the parachute ropes. Use the hook to grab and yank the thing down. No limb cutting.
No pipes to glue,
no guys to fix,
just yank down
the son-of-a-%$*)@ !!!

Russ "The Amateur Poet" Dunn
N7SMA

4176. Emmett VOI

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-11 14:58:11 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4146 Message: 4176

Assuming I have my dates correct....
The day after October's VOI meeting, the Emmett club will hold it's
October meeting. I plan to present on amateur near space and
amateur radio. I'd like to have some of the TVNSP crew help out.
Can someone(s) help out?

Tim, will the meeting have access to a LCD projector?

Paul

> YOU BET ! ! !
>
> -------Original Message-------
>
> From: tvnsp@yahoogroups.com
> Date: Tuesday, September 10, 2002 02:00:57 PM
> To: tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] TV02F Data
>
> We have a TVNSP this Thursday. Can we arrange to present at
> next month's meeting?
>
> Paul
>
> > Paul (and everyone else),
> >
> > The VOI is kicking off an EMMETT chapter with a meeting this Thursday at
> > 7 PM at the Pizza Factory in Emmett. All are invited to attend. Talk in
> will
> > be on 146.52
> >
> > Tim....

4177. (Fwd) Re: Capsule Rescue

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-11 15:02:37 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4177 Message: 4177

Don's idea is to use a cord with several party balloons filled with helium. The balloons are tied to the center of the cord, while two people hold the ends of the cord. This creates an arc of cord that can pass over the top of the tree. We then walk the arc over the tree or up against the capsule and try to snag it.

Paul

From Don Pfister.....

That's why I said one of those little party balloon kits (like at paper warehouse or something) I think they cost like $20. It only has about 10 or 15 cu ft. and balloons. I think that is what was used in the article. Perhaps put it on a backpack board or something?

VERHAP@... wrote:

> Interesting idea. We'd need to get the helium tank to the site,
> though.
>
> Paul
>
> > Paul, here is a copy of the article I was talking about. As you can see, in a
> > way, it is just an extention of the lanyard method you use to launch. I'm still
> > waiting for permission from the ARRL to post the copy, so don't spread it around
> > too much until they say we can. It is from the February 1999 issue page 54, I
> > guess it says that at the bottom of the page. Oh well.
> >
> > A modification of a second line at right angle and over this line should allow
> > you to lower a hook and grap the shroud lines or parachute and possibly pull it
> > (up ?) out of the tree. Looking at it again, if you do as the article says and
> > reel out over the tree, possible a hook on one side might let you control it
> > more.
> >
> > Of course wind could make it more difficult.
> >
> > Anyway, hope this helps. Possibly cause the creative process to modify your
> > approach.
> >
> > 73 de Don
> >
> > Good luck and stay safe.

4178. Helium Tanks

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-11 14:13:46 UTC
From: John Knapp
Topic: 4149 Message: 4178

I need someone to pick up the two helium tanks by
tomorrow night. I will not be able to deliver the full
one.

JohnK

_____
Yahoo! - We Remember
9-11: A tribute to the more than 3,000 lives lost
http://dir.remember.yahoo.com/tribute

4179. Male and Female DB-9 Connectors

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-11 15:19:27 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4179 Message: 4179

When should either a male or female DB-9 connector be used on a serial connection? I know serial devices can be classified as either DCE or DTE, and I believe that determines whether you use the male or female version.

How does someone decide that a GPS reciever should be DCE or DTE?

I want to standardize the GPS connectors to my flight computers, and I want to do this the smart way (in a way that I assume is already the standard).

I don't have an Etrex to look at, but I believe it's connector is a female DB-9. Is this a standard for other GPS recievers?

Paul

4180. Re: [tvnsp] Male and Female DB-9 Connectors

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-11 14:37:04 UTC
From: Ralph Wallio, W0RPK
Topic: 4179 Message: 4180

The standard for DCE (Data Communications Equipment), e.g., modems, muxes, TNCs, is female. The standard for PC serial ports is male. The standard for all other stuff, DTE (Data Terminal Equipment) or otherwise, is AC/DC or how you are feeling at the moment of decision. -w0rpk

4181. Re: [KNSP] Male and Female DB-9 Connectors

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-11 14:40:14 UTC
From: n9xtn@cox.net
Topic: 4181 Message: 4181

> I want to standardize the GPS connectors to my flight computers,
> and I want to do this the smart way (in a way that I assume is
> already the standard).

I started with a DeLorme Tripmate for my setup, and it had a molded female DB-9 designed to plug into a laptop. I've basically stuck with that since. I've also done the "power on pin 9" where needed, taking care not to wire that where a laptop or other computer equipment might be connected.

This facilitates computer programming of my Garmin GPS-35 for things like which NMEA sentences to spit out, what rate, etc.

I don't see much of a reason to wire a GPS the other way, except possibly as a dedicated hookup to a KPC-3+.

73 de Mark N9XTN

4182. Spammage on Yahoo lists

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-11 14:46:55 UTC
From: n9xtn@cox.net
Topic: 4182 Message: 4182

I think someone has created a bot or script or whatever that will create a Yahoo ID, subscribe to a whole bunch of groups, then spam them all. It must take some time to execute because there's a several-hour delay from when I get notified of a new subscriber to when the spam is attempted.

There's a couple of ways to mitigate this on Yahoo:

1) Turn on notification of new subscribers. If they have a weird ID like what's been used to spam the lists, delete or ban them immediately. I've had 3 attempts on KNSP and have deleted them before they got to the "send the spam" part of their script. This puts the work on the moderator to get the notification and be able to delete them within a few hours.

2) Turn on approval of new subscribers. All new subscription requests require moderator approval before posting. This can be a pain for the subscribers, but might be worth it.

73 de Mark N9XTN

4183. Re: [tvnsp] Male and Female DB-9 Connectors

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-11 15:47:55 UTC
From: bherrman@spro.net
Topic: 4179 Message: 4183

> When should either a male or female DB-9 connector be used on a
> serial connection? I know serial devices can be classified as
> either DCE or DTE, and I believe that determines whether you use the
> male or female version.

Well, sort of. IBM screwed up the RS232 spec with the original PC and it's been a mess ever since. (For those not familiar with it "true" RS232 devices all have female connectors and cables have male connectors. IBM didn't do it that way.)

The sex of the connectors is not directly related to whether a device is DCE or DTE. DCE (Data Communications Equipment) is things like MODEMs or TNCs. DTE is things like computers, terminals and printers. However, we often wire things based on what we want to plug them into rather than what they really are.

> How does someone decide that a GPS reciever should be DCE or
> DTE?

In this case you probably want to wire them as DCE since commercial cables are going to be wired that way so that you can plug them directly into PCs. You can then wire flight computers and the like to be DTE and plug the GPS units into either.

> female DB-9. Is this a standard for other GPS recievers?

Yep, they assume that you want to plug the GPS into your PC.

Bill

4184. TVNSP Changes

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-11 17:02:08 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4184 Message: 4184

I've changed the way you subscribe to TVNSP on Yahoo Groups.
New members will need to be approved. This should cut out any
spam.

Thanks Mark for making this suggestion.

Paul

4185. Re: [tvnsp] TV02F Tree Photos posted

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-11 16:03:41 UTC
From: Randy Farley
Topic: 4136 Message: 4185

It would be nice if your hunter friend could do the climbing since
he is experienced. If anyone climbs, a safety strap must be mandatory
for safety if you choose that method of retrieval.

I think archery season for deer and elk is still open. He could hunt after everyone left.
Probably not a good idea on second thought,all the noisy balloonies would probably scare
the game away for weeks ;)

Has anyone figured out a quicker or safer route to the site such as following a ridge line
on either side of the creek?

Usually the easier game trails are on top of ridge lines.
From what Justin described to me last night,the
game trails he and Paul used were rather sparse and dead ended quite frequently. Remember
even animals take the path of least resistance to their destination. Maybe the local forest
ranger could give some advice.
He would probably like to get the "debris" out of his forest ;)

Just some rambling thoughts while taking a break.

regards

Randy Farley

>>> kd7inn@... 09/10/02 05:40PM >>>
Hi all,

John and I are on the same track. A hunter I know will let
me borrow his tree climbing equipment. It starts with a
light weight 13 foot ladder that straps to "The Tree". Next
there are 17 foot of strap on steps. These steps have straps
that wrap around the tree to hold the steps in place. Then
there is the safety belt for the climber that also goes
around the tree. The ladder and steps puts someone 30 foot
up "The Tree". There are plenty of branches to use as steps
to go a little higher. Next someone would use a short pole
to snag the parachute/payload. The 15 ft collapsable tent
pole I have should do the trick.
I think we need to be prepared to use different methods.
Randy said he would be available with his bow on Sunday.
Would that day work for this rescue attempt?

Jeff
KD7INN

John Knapp wrote:
>

> Thanks Justin for posting the pictures. After looking
> at the tree and reading some of the comments about
> using poles, etc both Deb and I believe the best way
> to retrieve our lost package would be to climb the
> tree and then use a pole to either push the capsule
> out so it will drop to the ground or to pull the
> capsule in to the climber.
>
> Hope to see you Thursday night at the Jade Garden.
>
> John and Deb
>
> --- Justin Formolo <J_Formolo@...> wrote:
> > Hi All,
> >
> > I've been reading through everyone's different ideas
> > about extracting
> > the capsule from out of the tree. I don't think
> > some of you know
> > what we are up against so I posted a few photos on
> > the Yahoo group
> > page. I was going to wait for them to be posted at
> > our website, but
> > things are moving along at an increasing speed .
> > They are in the
> > photo folder called TV02F Capsule. I have decided
> > to name the tree,
> > well "The Tree." I know, real original. I have
> > called it other
> > names which can be spelled out by holding the the
> > shift key and
> > typing the number keys randomly on a keyboard. I'm
> > not sure if the
> > photos can get any larger than they appear on the
> > group page, they
> > looked small to me. Hope they can shine some light
> > on a practical
> > idea to get this thing out.
> >
> > Justin, KD7PIT
> >
> >
>
> _____
> Do You Yahoo!?
> Yahoo! Autos - Get free new car price quotes
> http://autos.yahoo.com
>
>
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4186. Antenna pickup (Justin)

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-11 17:35:02 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 4186 Message: 4186

Justin,

Feel free to e-mail me offline at bill_blohm@... to set up to pick up the antenna, mast, base, and cable. I would like to take it with me next week, and if you're over by MicronPC, I go by that area on the way home anyway, so it wouldn't be a bother to swing by after work, or on Saturday if that works better.

If you'd already posted something on this, I must not have got all the TVNSP postings or just missed it in the flood of postings.

73 de Bill, KC7JSD

4187. Moscow Visit

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-11 19:54:51 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3650 Message: 4187

Dr. Atkinson of U of I in Moscow has scheduled TVNSP in for a colloquium for 3 April 2003, a Thursday. We'll discuss aspects of getting a near space program started. I'll try to get professional leave to present that day. I'd like some of the TVNSP crew attend, if possible. They'd also like to see a launch. If winds won't cooperate, I think we'll just launch a dummy capsule with a simple radio beacon.

Does anyone think they can make it? Randy, I think it will be alright for you to wear your bell-bottoms, if that will help.

They love last Novermber's video and have made copies of it.

We may get some questions from the Alabama Space Grant about amateur near space programs.

TVNSP is making an impact on the world, and not just where our capsules recover without parachutes!

Paul

4188. Re: [tvnsp] Emmett VOI

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-11 19:15:52 UTC
From: Tim Rynearson
Topic: 4146 Message: 4188
Attachments: 2 described; binary payloads are missing from this source WARC

Paul,
Yes, I do know of a projector that we could probably use. Shane Mettler, KC7VOJ here in Emmett has one, and I'm betting we'll be able to use it...

Tim

-------Original Message-------

From: tvnsp@yahoogroups.com
Date: Wednesday, September 11, 2002 07:30:36 AM
To: tvnsp@yahoogroups.com
Subject: [tvnsp] Emmett VOI

Assuming I have my dates correct....
The day after October's VOI meeting, the Emmett club will hold it's October meeting. I plan to present on amateur near space and amateur radio. I'd like to have some of the TVNSP crew help out.
Can someone(s) help out?

Tim, will the meeting have access to a LCD projector?

Paul

> YOU BET ! ! !
>
> -------Original Message-------
>
> From: tvnsp@yahoogroups.com
> Date: Tuesday, September 10, 2002 02:00:57 PM
> To: tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] TV02F Data
>
> We have a TVNSP this Thursday. Can we arrange to present at
> next month's meeting?
>
> Paul
>
> > Paul (and everyone else),
> >
> > The VOI is kicking off an EMMETT chapter with a meeting this Thursday at
> > 7 PM at the Pizza Factory in Emmett. All are invited to attend. Talk in
> will
> > be on 146.52
> >
> > Tim....

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.

4189. Re: [tvnsp] Moscow Visit

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-11 19:20:32 UTC
From: Randy Farley
Topic: 3650 Message: 4189

Cool
This should be plenty of notice for me. Calender has been marked and highligted.
Cannot find the bell-bottoms,so i won't embarrass you Paul.
Hmmm...m i now remember where the tie-dye shirt is though ;)

>>> verhap@occ1.sd01.k12.id.us 09/11/02 12:54PM >>>
Dr. Atkinson of U of I in Moscow has scheduled TVNSP in for a
colloquium for 3 April 2003, a Thursday. We'll discuss aspects of
getting a near space program started. I'll try to get professional
leave to present that day. I'd like some of the TVNSP crew attend,
if possible. They'd also like to see a launch. If winds won't
cooperate, I think we'll just launch a dummy capsule with a simple
radio beacon.

Does anyone think they can make it? Randy, I think it will be
alright for you to wear your bell-bottoms, if that will help.

They love last Novermber's video and have made copies of it.

We may get some questions from the Alabama Space Grant about
amateur near space programs.

TVNSP is making an impact on the world, and not just where our
capsules recover without parachutes!

Paul

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4190. Re: [tvnsp] Moscow Visit

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-11 19:22:24 UTC
From: Tim Rynearson
Topic: 3650 Message: 4190
Attachments: 2 described; binary payloads are missing from this source WARC

Walmart has bell-bottoms...they're coming back 'in style'

Tim

-------Original Message-------

From: tvnsp@yahoogroups.com
Date: Wednesday, September 11, 2002 12:53:39 PM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] Moscow Visit

Cool
This should be plenty of notice for me. Calender has been marked and highligted.
Cannot find the bell-bottoms,so i won't embarrass you Paul.
Hmmm...m i now remember where the tie-dye shirt is though ;)

>>> verhap@... 09/11/02 12:54PM >>>
Dr. Atkinson of U of I in Moscow has scheduled TVNSP in for a colloquium for 3 April 2003, a Thursday. We'll discuss aspects of getting a near space program started. I'll try to get professional leave to present that day. I'd like some of the TVNSP crew attend, if possible. They'd also like to see a launch. If winds won't cooperate, I think we'll just launch a dummy capsule with a simple radio beacon.

Does anyone think they can make it? Randy, I think it will be alright for you to wear your bell-bottoms, if that will help.

They love last Novermber's video and have made copies of it.

We may get some questions from the Alabama Space Grant about amateur near space programs.

TVNSP is making an impact on the world, and not just where our capsules recover without parachutes!

Paul

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4191. Re: [tvnsp] Moscow Visit

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-11 20:30:51 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3650 Message: 4191

Umm, maybe........

Paul

> Cool
> This should be plenty of notice for me. Calender has been marked and highligted.
> Cannot find the bell-bottoms,so i won't embarrass you Paul.
> Hmmm...m i now remember where the tie-dye shirt is though ;)
>
>
> >>> verhap@... 09/11/02 12:54PM >>>
> Dr. Atkinson of U of I in Moscow has scheduled TVNSP in for a
> colloquium for 3 April 2003, a Thursday. We'll discuss aspects of
> getting a near space program started. I'll try to get professional
> leave to present that day. I'd like some of the TVNSP crew attend,
> if possible. They'd also like to see a launch. If winds won't
> cooperate, I think we'll just launch a dummy capsule with a simple
> radio beacon.
>
> Does anyone think they can make it? Randy, I think it will be
> alright for you to wear your bell-bottoms, if that will help.
>
> They love last Novermber's video and have made copies of it.
>
> We may get some questions from the Alabama Space Grant about
> amateur near space programs.
>
> TVNSP is making an impact on the world, and not just where our
> capsules recover without parachutes!
>
> Paul
>
>
>
>
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4192. Re: [tvnsp] Emmett VOI

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-11 20:40:18 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4146 Message: 4192

From: <VERHAP@...>
To: tvnsp@yahoogroups.com.boundary=
Date sent: Wed, 11 Sep 2002 13:29:13 -700
Subject: Re: [tvnsp] Emmett VOI
Priority: normal

> Okay, thanks. I'll bring a presentation and video tapes. I'll also
> bring flight hardware.
>
> Paul
>
> > Paul,
> > Yes, I do know of a projector that we could probably use. Shane Mettler,
> > KC7VOJ here in Emmett has one, and I'm betting we'll be able to use it...
> >
> > Tim
> >
> > -------Original Message-------
> >
> > From: tvnsp@yahoogroups.com
> > Date: Wednesday, September 11, 2002 07:30:36 AM
> > To: tvnsp@yahoogroups.com
> > Subject: [tvnsp] Emmett VOI
> >
> > Assuming I have my dates correct....
> > The day after October's VOI meeting, the Emmett club will hold it's
> > October meeting. I plan to present on amateur near space and
> > amateur radio. I'd like to have some of the TVNSP crew help out.
> > Can someone(s) help out?
> >
> > Tim, will the meeting have access to a LCD projector?
> >
> > Paul
> >
> >
> > > YOU BET ! ! !
> > >
> > > -------Original Message-------
> > >
> > > From: tvnsp@yahoogroups.com
> > > Date: Tuesday, September 10, 2002 02:00:57 PM
> > > To: tvnsp@yahoogroups.com
> > > Subject: Re: [tvnsp] TV02F Data
> > >
> > > We have a TVNSP this Thursday. Can we arrange to present at

> > > next month's meeting?
> > >
> > > Paul
> > >
> > > > Paul (and everyone else),
> > > >
> > > > The VOI is kicking off an EMMETT chapter with a meeting this Thursday at
> > > > 7 PM at the Pizza Factory in Emmett. All are invited to attend. Talk in
> > > will
> > > > be on 146.52
> > > >
> > > > Tim....
> >
> >
> >
> >
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> >
> > .
>
>
>

4193. Re: [tvnsp] Moscow Visit

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-11 19:42:00 UTC
From: rfarley@woodgrain.com
Topic: 3650 Message: 4193
Attachments: 3 described; binary payloads are missing from this source WARC

Get the "Easy Rider" and "2001 A Space Odyessy" movie and i will be set ;)

>>> n7ubo@... 09/11/02 01:22PM >>>

Walmart has bell-bottoms...they're coming back 'in style'

Tim

-------Original Message-------

From: tvnsp@yahoogroups.com
Date: Wednesday, September 11, 2002 12:53:39 PM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] Moscow Visit

Cool
This should be plenty of notice for me. Calender has been marked and highligted.
Cannot find the bell-bottoms,so i won't embarrass you Paul.
Hmmm...m i now remember where the tie-dye shirt is though ;)

>>> verhap@... 09/11/02 12:54PM >>>
Dr. Atkinson of U of I in Moscow has scheduled TVNSP in for a
colloquium for 3 April 2003, a Thursday. We'll discuss aspects of
getting a near space program started. I'll try to get professional
leave to present that day. I'd like some of the TVNSP crew attend,
if possible. They'd also like to see a launch. If winds won't
cooperate, I think we'll just launch a dummy capsule with a simple
radio beacon.

Does anyone think they can make it? Randy, I think it will be
alright for you to wear your bell-bottoms, if that will help.

They love last Novermber's video and have made copies of it.

We may get some questions from the Alabama Space Grant about
amateur near space programs.

TVNSP is making an impact on the world, and not just where our
capsules recover without parachutes!

Paul

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4194. Re: [tvnsp] SA file of "The Hike"

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-11 23:37:18 UTC
From: Jeff Melanson
Topic: 4166 Message: 4194

Mark,

"The Tree" ,as named by Justin, with the capsule in it is
located at
N43 32.612' W115 20.621'

Jeff
KD7INN

Mark Conner wrote:
>
> Can someone e-mail or upload the Street Atlas file showing the
> hike in? Alternatively, what are the GPS coordinates of the
> capsule's final position?
>
> 73 de Mark N9XTN
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
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4195. Re: [tvnsp] (Fwd) Re: Capsule Rescue

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-11 23:47:03 UTC
From: Jeff Melanson
Topic: 4177 Message: 4195

What is the free lift of these balloons? Can it Lift a 2.3
pound capsule? Can it pull a snagged parachute out of the
limbs? Can you pull in a different direction than straight
up?

Jeff
KD7INN

verhap@... wrote:
>
> Don's idea is to use a cord with several party balloons filled with
> helium. The balloons are tied to the center of the cord, while two
> people hold the ends of the cord. This creates an arc of cord that
> can pass over the top of the tree. We then walk the arc over the
> tree or up against the capsule and try to snag it.
>
> Paul
>
> >From Don Pfister.......
>
> That's why I said one of those little party balloon kits (like at paper warehouse or
> something) I think they cost like $20. It only has about 10 or 15 cu ft. and
> balloons. I think that is what was used in the article. Perhaps put it on a backpack
> board or something?
>
> VERHAP@... wrote:
>
> > Interesting idea. We'd need to get the helium tank to the site,
> > though.
> >
> > Paul
> >
> > > Paul, here is a copy of the article I was talking about. As you can see, in a
> > > way, it is just an extention of the lanyard method you use to launch. I'm still
> > > waiting for permission from the ARRL to post the copy, so don't spread it around
> > > too much until they say we can. It is from the February 1999 issue page 54, I
> > > guess it says that at the bottom of the page. Oh well.
> > >
> > > A modification of a second line at right angle and over this line should allow
> > > you to lower a hook and grap the shroud lines or parachute and possibly pull it
> > > (up ?) out of the tree. Looking at it again, if you do as the article says and
> > > reel out over the tree, possible a hook on one side might let you control it
> > > more.
> > >
> > > Of course wind could make it more difficult.

> > >
> > > Anyway, hope this helps. Possibly cause the creative process to modify your
> > > approach.
> > >
> > > 73 de Don
> > >
> > > Good luck and stay safe.
>
>
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4196. Capsule Retreival

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-12 01:06:50 UTC
From: Jeff Melanson
Topic: 4079 Message: 4196

Hi Randy,

Randy Farley wrote:
>
> It would be nice if your hunter friend could do the climbing since
> he is experienced. If anyone climbs, a safety strap must be mandatory
> for safety if you choose that method of retrieval.

He won't be able to come along. He loaned me the equipment
which includes a saftey strap for going around the tree plus
I borrowed a couple of safety lanyards from work. I'll bring
the equipment for Thursday's meeting so we can look at it
and other options.

>
> I think archery season for deer and elk is still open. He could hunt > after everyone left. Probably not a good idea on second thought,all > the noisy balloonies would probably scare the game away for weeks ;)

>
> Has anyone figured out a quicker or safer route to the site such as > following a ridge line on either side of the creek?

Yes, I looked at some Topo Maps with my brother-in-law and
there is a much easier way into the area. It was the Delorme
Topo Maps for a computer. Unfortanatley I can't run it on my
laptop. It needs 300 MB to run and my small hard drive
doesn't have enough room. If you would like me to bring it
to the meeting to load on your laptop it would be really
helpfull. It gives you 3D profiles to show you the how much
climbing and descending you have to do. It makes it easy to
pick a route. In addition there is a sporting goods store
called the benchmark that has a computer that generates full
size waterproof Topo Maps for $8.00. I plan to pick one up
and bring it to the meeting.

Can we have a quick tally of those coming to the meeting? I
will be there and I know Paul and John Knapp will be there.
The more heads we put together the better. Even if you can't
come on the retreival trip you should still come to the
meeting if possible. John scheduled us for 6:30 pm at Jade
Garden.

Jeff
KD7INN
>
> Usually the easier game trails are on top of ridge lines.

> >From what Justin described to me last night,the
> game trails he and Paul used were rather sparse and dead ended quite > frequently.
Remember even animals take the path of least resistance to > their destination. Maybe the
local forest ranger could give some > advice.
> He would probably like to get the "debris" out of his forest ;)
>
> Just some rambling thoughts while taking a break.
>
> regards
>
> Randy Farley
>
> >>> kd7inn@... 09/10/02 05:40PM >>>
> Hi all,
>
> John and I are on the same track. A hunter I know will let
> me borrow his tree climbing equipment. It starts with a
> light weight 13 foot ladder that straps to "The Tree". Next
> there are 17 foot of strap on steps. These steps have straps
> that wrap around the tree to hold the steps in place. Then
> there is the safety belt for the climber that also goes
> around the tree. The ladder and steps puts someone 30 foot
> up "The Tree". There are plenty of branches to use as steps
> to go a little higher. Next someone would use a short pole
> to snag the parachute/payload. The 15 ft collapsable tent
> pole I have should do the trick.
> I think we need to be prepared to use different methods.
> Randy said he would be available with his bow on Sunday.
> Would that day work for this rescue attempt?
>
> Jeff
> KD7INN

4197. Re: [tvnsp] Helium Tanks

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-12 01:19:08 UTC
From: Jeff Melanson
Topic: 4149 Message: 4197

John the elder (and therefore should be wiser),

I'm a little confused. Do you have the tanks? If your
looking for someone to take the full tank back to Sheehans I
can do that. You can bring the tank to Thursday's meeting
and we'll transfer it to my truck. I can take it to Sheehans
on my lunch hour on Friday or if we do the capsule retreival
trip on Sunday then we can probably take the tank back on
Saturday.

Jeff
KD7INN

John Knapp wrote:
>
> I need someone to pick up the two helium tanks by
> tomorrow night. I will not be able to deliver the full
> one.
>
> JohnK
>
> _____
> Yahoo! - We Remember
> 9-11: A tribute to the more than 3,000 lives lost
> http://dir.remember.yahoo.com/tribute
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
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4198. New file uploaded to tvnsp

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-12 02:24:48 UTC
From: tvnsp@yahoogroups.com
Topic: 794 Message: 4198

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the tvnsp
group.

File : /QST021999p54.png
Uploaded by : ka0jlf <ka0jlf@...>
Description : QST Feb. 1999 p54 Copyrighted ARRL - not to be posted on a web site!

You can access this file at the URL

http://groups.yahoo.com/group/tvnsp/files/QST021999p54.png

To learn more about file sharing for your group, please visit

http://help.yahoo.com/help/us/groups/files

Regards,

ka0jlf <ka0jlf@...>

4199. (Fwd) Re: Capsule Rescue

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-12 02:29:38 UTC
From: Don Pfister
Topic: 4177 Message: 4199

--- In tvnsp@y..., <verhap@o...> wrote:
> Don's idea is to use a cord with several party balloons filled with
> helium. The balloons are tied to the center of the cord, while two

Forwarded email from ARRL giving me permission to post copyrighted article into the files section. Note this is NOT to be put on any web site! It is copyrighted by ARRL.

I think this is great of them to let me share it with the group!!!

Thank you ARRL!

Don

Subject: RE: QST 2/1999 page 54
Date: Wed, 11 Sep 2002 15:31:27 -0400
From: "Weinberg, Maty" <maty@...>
To: "Don Pfister" <ka0jlf@...>

The group file section is fine--We just don't want them posting it where everyone can get to it.

-----Original Message-----
From: Don Pfister [mailto:ka0jlf@...]
Sent: Wednesday, September 11, 2002 3:24 PM
To: Weinberg, Maty
Subject: Re: QST 2/1999 page 54

Can I put it on the yahoo groups files section or would that be considered a web
site? IT shouldn't show up on a web search. (I think) you have to me a member
of the group to access the files section. How would you view that?

Here is the group file section if you would like to see what I'm referring to? I don't
think you should be able to access it without joining but I'm not completely sure
how it is set up.

I would do all I can to be sure the copyright is honored and known. Possibly put
a copyright line on it?

Thank you!
Don

"Weinberg, Maty" wrote:

Hi Don,

This is fine. It cannot, however, be placed on any web sites as
it's copyrighted by ARRL.

Maty Weinberg
Assistant to the Editorial and Production Manager
ARRL: The National Association for Amateur Radio
V) 860-594-0229 (F) 860-594-0259
(email) maty@...

-----Original Message-----
From: Don Pfister [mailto:ka0jlf@...]
Sent: Tuesday, September 10, 2002 7:49 PM
To: Weinberg, Maty
Subject: QST 2/1999 page 54
Importance: High

One of the email groups on High Altitude Ballooning (you have
printed some of
their articles), has a capsule stuck in a tree.

I thought the article "The W7DE Balloon Erection Scheme" could
be modified for
them to safely recover their capsule. I would like to send this
article to them
so they can review it. I saw it listed on the ARRL web site but
not the article.
I'm concerned about the safety of some of the methods they are
proposing.

May I please have permission to scan this article and send it
to the group? They
are thousands of miles away and the web seems to be the
fastest, easiest way to
get the info to them.

Thank you for your consideration,
Don

4200. (Fwd) Re: Capsule Rescue

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-12 02:36:46 UTC
From: Don Pfister
Topic: 4177 Message: 4200

--- In tvnsp@y..., Jeff Melanson <kd7inn@e...> wrote:
> What is the free lift of these balloons? Can it Lift a 2.3
> pound capsule? Can it pull a snagged parachute out of the
> limbs? Can you pull in a different direction than straight
> up?
>
> Jeff
> KD7INN

While the article as you can see, thanks to the ARRL, it to put an antenna into a tree. I think you could modify it to server your purpose. I bought a 3' balloon for $2 (not in the flower area, but at the checkout). I would think even mylar balloons would work. Keep adding balloons until you get the lift you need. ;-)

Anyway, it is a suggestion not a worked out solution. ;-) I was even thinking if you used another line across the line with balloons you could drop a hook (maybe one of the 3 prong hooks <dulled perhaps>) to grab the parachute or shroud lines or capsule. Maybe even dropping the line over a higher limb to give you more pull? I can't tell much detail from the photos, they were pretty dark to my eyes.

Maybe some kind of monofiliment or something would be strong but light to lift up there. To me they are suggesting in the article to use one of those party balloon kits (I think it has like 9 cu ft of helium tank). You might be able to hook it to a backpack board to carry in to the tree.

I am just trying to help. ;-) Sorry I'm not there to really help - physcally that is. ;-)

73 de Don

4201. RE: [tvnsp] TVNSP Changes

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-12 03:31:05 UTC
From: K7JPS - John
Topic: 4184 Message: 4201

Paul, as I had mentioned the last time that we had a spam attack (not that I was hungry!), I volunteered to serve as an additional moderator for the group. My offer still stands, you'll just need to go into the membership section, select the moderator tab and grant me permission.

John Stone
K7JPS
-----Original Message-----
From: verhap@... [mailto:verhap@...]
Sent: Wednesday, September 11, 2002 11:02
To: tvnsp@yahoogroups.com
Subject: [tvnsp] TVNSP Changes

I've changed the way you subscribe to TVNSP on Yahoo Groups.
New members will need to be approved. This should cut out any
spam.

Thanks Mark for making this suggestion.

Paul

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To unsubscribe from this group, send an email to:
tvnsp-unsubscribe@egroups.com

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4202. Re: SA file of "The Hike"

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-12 03:36:53 UTC
From: Justin Formolo
Topic: 4166 Message: 4202

Mark,

I have the track my eTrex recorded on the SA map loaded in the files section on the Yahoo group page.

Justin

4203. Re: [tvnsp] Emmett VOI

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-12 04:14:25 UTC
From: Mike Garske
Topic: 4146 Message: 4203

Ok, Paul, I thought we are having a TVNSP meeting at the Jade Garden
tomorrow night??? Isn't the Emmett VOI chapter tomorrow night as well????
Just checking!

Mike KC7DPD

----- Original Message -----
From: <verhap@...>
To: <tvnsp@yahoogroups.com>
Sent: Wednesday, September 11, 2002 8:58 AM
Subject: [tvnsp] Emmett VOI

> Assuming I have my dates correct....
> The day after October's VOI meeting, the Emmett club will hold it's
> October meeting. I plan to present on amateur near space and
> amateur radio. I'd like to have some of the TVNSP crew help out.
> Can someone(s) help out?
>
> Tim, will the meeting have access to a LCD projector?
>
> Paul
>
>
> > YOU BET ! ! !
> >
> > -------Original Message-------
> >
> > From: tvnsp@yahoogroups.com
> > Date: Tuesday, September 10, 2002 02:00:57 PM
> > To: tvnsp@yahoogroups.com
> > Subject: Re: [tvnsp] TV02F Data
> >
> > We have a TVNSP this Thursday. Can we arrange to present at
> > next month's meeting?
> >
> > Paul
> >
> > > Paul (and everyone else),
> > >
> > > The VOI is kicking off an EMMETT chapter with a meeting this Thursday
at
> > > 7 PM at the Pizza Factory in Emmett. All are invited to attend. Talk
in
> > will
> > > be on 146.52
> > >

> > > Tim....
>
>
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
>

4204. Re: [tvnsp] Capsule Rescue

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-12 05:00:09 UTC
From: Rick Widmer
Topic: 4117 Message: 4204

Sorry this took so long, it got covered up by other windows and not noticed till now...

verhap@... wrote:

> How much does conduit weigh?

EMT is standard thin wall electrical conduit.

I don't have numbers, but the weight of a stick of EMT is equal to or slightly less than Schedule _40_ PVC pipe and the conduit is much stiffer. Schedule 80 pipe would be stiffer but also about double the weight. I think you will find EMT the lightest and stiffest common construction material available. I suggest you hit a hardware store and check out weight and stiffness of materials before you commit to one.

Your fiberglass rod might make a good top section. If you use fiberglass for the top 10-20', you still probably want some 1/2 conduit for light weight near the top and 3/4 for additional strength at the bottom.

The extending antenna mast + fiberglass pole might be a good choice too, but that is ten foot sections, and must either be extended while on the ground, or you need to be several feet off the ground to comfortably extend the sections.

> I'm not fully understanding your explanation. The ropes and
> conduit are on the ground when we lift the conduit?

Yes, if you have space in the clearing, laying it all out flat on the ground, then lifting it into place in one piece will probably be the easiest way to get it into the tree.

Pretend the ropes are guy wires and you are putting up a tall antenna. The tricky part is hitting the parachute with the top of the pole on the way up. You can do this with only two guy wires because the pole will always be leaning on them, at least until you have the package out of the tree, and you are ready to let it fall back into the clearing.

However, after looking at the pictures, vertical assembly near the tree might be better. For this I would suggest you pre-cut the conduit into five foot lengths, and pre-attach a coupler on each length. Use a tubing cutter to make sure you get square ends on the cuts. I've found that if you have square ends, firmly pressed into the standard couplers, then tighten the screws on the coupler until the head touches the threaded part of the coupler there is more flex in the tubing than the coupler. I suspect under tension you will pull the conduit out of the coupler first, but under compression or flex the conduit will collapse

somewhere other than in the coupler.

Anyway for vertical assembly, you stand right under the package, next to the tree. Three to five feet away is probably good. Hopefully you will be able to see the tracker package and/or the parachute from where you are standing.

Lean your fiberglass pole (or what ever top section you chose) against the tree. It should have two lines, at least as heavy as load lines, probably more like parachute cord or 1/4" nylon rope tied _and_ taped about five feet from the top end. The ropes should each be 70-100 feet long. both for leverage, and to make sure the line handlers can not be hit by the falling pole. Lift the pole up a little, and duct tape it to the top section of conduit in _at least_ three places. (The top of the conduit, the bottom of the pole and the middle.) The longer the distance between the top and bottom tapes the better. You may want the bottom of the fiberglass pole right at the coupler at the bottom of the conduit.

Raise the pole up enough to slip the next five foot section of conduit into the bottom of the pole, and tighten the lock screw until the head touches the coupler. About half way up switch from 1/2 to 3/4 inch conduit. If the top of the pole has fallen into the tree, pull the pole away from the tree, then gently rest it against the tree so it stays near the outside of the tree. You want it resting against the tree so you can use the tree to guide it towards the package, not stuck inside where the tree takes control of the point of the pole.

Repeat the last paragraph until the top of the pole is within 5 feet (one section) of the package. On this lift you must do what ever it takes using the ropes and the pole to get the pole either inside the parachute (preferred) or between some of the parachute lines. Attach another section at the bottom. If the top sticks out less than two feet above the parachute, attach _another_ section of conduit to be sure the lines won't slip off.

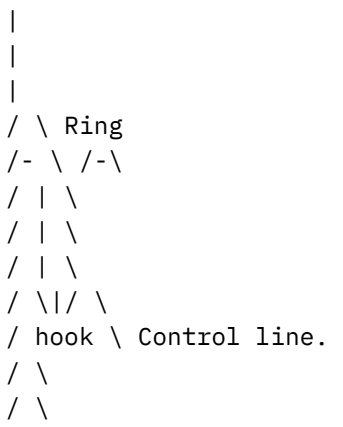
Now have the line handlers move away from the tree, and _fully_ extend their lines. If possible, they should be 120 degrees apart. Now between shaking the pole, lifting the pole and pulling on the lines attempt to pull the package out of the tree. Go slow, and don't pull too hard, or you may break parachute lines. I expect a combination of lifting up on the parachute, pulling out lightly with the lines and shaking the pole will free the payload, and it will fall with the top of the pole. If only one line handler can be in the clearing, they need to run directly away from the tree once the package is free to make it fall into the clearing. Once the fall direction has been established, probably about 5 to 10 feet, let go of the rope, and make sure you don't get hit by any falling objects.

Once the line handler has caused the package to fall towards the clearing and dropped their rope, it might be good for the person at the bottom of the pole to throw it as hard as possible away from the

package, so it can't fall on the electronics. The best time for the throw maneuver is between 45 and 30 degrees up from the ground. Just pick up the bottom end to about shoulder level and throw it away from the package. I don't think there will be enough mass in the pole to damage anything through the foam in the cooler, but better safe than sorry.

The balloon idea has definite possibilities too. What is the smallest He container you can find? An aerosol can sized one would do a few balloons and be easy to carry. I would suggest you send up the following stack:

balloon(s)



Send up the balloon(s) with a hook and sinker hanging down from the ring. Use double load line, or heavier cord from the ring to the hook. The control line should be fishing line for light weight. Use two lines and three people so your balloon launch training can be used to attempt to hook the parachute lines of the target package. Once you have them firmly hooked pull the fishing line out, and pull a much heavier recovery line through the ring using the fishing line. (I suggest you tie and tape the recovery line to the fishing lines before you start. You may need to go back to the fishing line and try again if the hook pulls out.

My thought is that the fishing line is not strong enough to pull the parachute and package out of the tree, and the party balloon(s) are not strong enough to lift the recovery line. Once you get the hook in the parachute lines, you pull the heavy cord through the ring then pull on both ends of the heavy cord to dislodge the parachute and package.

Try to keep the balloons out of the tree so if the hook comes undone you can just pull the heavy cord out, pulling the fishing line back in and try again.

If a reasonable number of party balloons can lift a cord strong enough to yank the parachute and package out of the tree you may not need to use the fishing line. The only way to know is to measure the lift of a party balloon, and the weight of 100-120' of line.

I suggest you prepare for at least two methods of rescue before you start hiking. If you think balloons are feasible, I'd suggest you try them in this order:

balloons, poles, climb the tree.

I consider climbing the tree to be the most dangerous of the methods, and the last thing to try. I like the idea of having both my feet on the ground.

Also consider extra balloons and He to allow you to place your repeater antennas as high as possible.

Good luck. Wish I could be there, but I've got to be at the monthly Magic Valley Astronomical Society meeting Saturday. (Sometimes it sucks being an officer. :( )

Rick

4205. Re: [tvnsp] Capsule Retreival

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-12 13:08:33 UTC
From: Randy Farley
Topic: 4079 Message: 4205

Jeff

I have the same problem. I bought the top 2.0 program and it is too big
and buggy to run on my laptop. I should have returned it,but thought i
would have a bigger machine by now.

I cannot make thursdays meeting. I have to fill in for our club president
at our TVRA meeting tonight since i am the vice president :(

If Justin makes it,he has a wrist rokcet slingshot he can demo that i loaned him from one
of my friends. He can report his testing to see
if it is a viable alternative retrieval device.

If you can find any type of ATV trail, you are welcome to use my
4-wheeler if you decide to go Saturday.

Yes, I looked at some Topo Maps with my brother-in-law and
there is a much easier way into the area. It was the Delorme
Topo Maps for a computer. Unfortanatley I can't run it on my
laptop. It needs 300 MB to run and my small hard drive
doesn't have enough room. If you would like me to bring it
to the meeting to load on your laptop it would be really
helpfull. It gives you 3D profiles to show you the how much
climbing and descending you have to do. It makes it easy to
pick a route. In addition there is a sporting goods store
called the benchmark that has a computer that generates full
size waterproof Topo Maps for $8.00. I plan to pick one up
and bring it to the meeting.

Can we have a quick tally of those coming to the meeting? I
will be there and I know Paul and John Knapp will be there.
The more heads we put together the better. Even if you can't
come on the retreival trip you should still come to the
meeting if possible. John scheduled us for 6:30 pm at Jade
Garden.

Jeff
KD7INN
>
> Usually the easier game trails are on top of ridge lines.
> >From what Justin described to me last night,the
> game trails he and Paul used were rather sparse and dead ended quite > frequently.
Remember even animals take the path of least resistance to > their destination. Maybe the
local forest ranger could give some > advice.
> He would probably like to get the "debris" out of his forest ;)
>
> Just some rambling thoughts while taking a break.

>
> regards
>
> Randy Farley
>
> >>> kd7inn@... 09/10/02 05:40PM >>>
> Hi all,
>
> John and I are on the same track. A hunter I know will let
> me borrow his tree climbing equipment. It starts with a
> light weight 13 foot ladder that straps to "The Tree". Next
> there are 17 foot of strap on steps. These steps have straps
> that wrap around the tree to hold the steps in place. Then
> there is the safety belt for the climber that also goes
> around the tree. The ladder and steps puts someone 30 foot
> up "The Tree". There are plenty of branches to use as steps
> to go a little higher. Next someone would use a short pole
> to snag the parachute/payload. The 15 ft collapsable tent
> pole I have should do the trick.
> I think we need to be prepared to use different methods.
> Randy said he would be available with his bow on Sunday.
> Would that day work for this rescue attempt?
>
> Jeff
> KD7INN

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tvnsp-unsubscribe@...m

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4206. RE: [tvnsp] TVNSP Changes

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-12 14:25:34 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4184 Message: 4206

John, you're now a moderator.

Paul

> Paul, as I had mentioned the last time that we had a spam attack (not that I
> was hungry!), I volunteered to serve as an additional moderator for the
> group. My offer still stands, you'll just need to go into the membership
> section, select the moderator tab and grant me permission.
>
> John Stone
> K7JPS
> -----Original Message-----
> From: verhap@... [mailto:verhap@...]
> Sent: Wednesday, September 11, 2002 11:02
> To: tvnsp@yahoogroups.com
> Subject: [tvnsp] TVNSP Changes
>
>
> I've changed the way you subscribe to TVNSP on Yahoo Groups.
> New members will need to be approved. This should cut out any
> spam.
>
> Thanks Mark for making this suggestion.
>
> Paul
>
> Yahoo! Groups Sponsor
> ADVERTISEMENT
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>
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to the Yahoo! Terms of Service.
>

4207. Re: [tvnsp] Emmett VOI

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-12 14:26:39 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4146 Message: 4207

> Ok, Paul, I thought we are having a TVNSP meeting at the Jade Garden
> tomorrow night??? Isn't the Emmett VOI chapter tomorrow night as well????
> Just checking!

Emmett does meet Thursday, but we don't give a presentation until
their October meeting.

Paul

4208. [tvnsp] Re: SA file of "The Hike"

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-12 13:28:44 UTC
From: Randy Farley
Topic: 4166 Message: 4208

I hope this works for Mark, i could not find the SA map of the flight on the laptop lastnight. Do you have a copy of your track from Street Atlas?

>>> J_Formolo@... 09/11/02 09:36PM >>>
Mark,

I have the track my eTrex recorded on the SA map loaded in the files section on the Yahoo group page.

Justin

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tvnsp-unsubscribe@egroups.com

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4209. TV02G

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-12 14:36:12 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4166 Message: 4209

I'm beginning the planning for TV02G. That will be the Vallivue launch. We'll need to plan what to teach the students and how. I'd like to discuss this at the next, regularly, scheduled meeting.

I'd like to launch one of my capsules and Jeff's tracker on this flight. We'll use the 1500 balloon and our remaining helium. We should make 90,000+ feet on that flight.

I may try to modify a small digital camera by then. My hope is to have a small, light-weight camera suitable for tracker capsules like Jeff's.

Paul

4210. Earth's Newest Satellite

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-12 14:41:26 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4166 Message: 4210

I read about this yesterday. Today space.com has posted an
article about it.

www.space.com/scienceastronomy/mystery_object_020912.html

Paul

4211. EZ Hang (tm)

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-12 14:28:40 UTC
From: Randy Farley
Topic: 4211 Message: 4211

I think this would be a good tool to carry in our mountain
packs. Light weight and portable. I know you could
drag the chute and capsule off the limb with this.

http://www.ezhang.com/

Another option would be this Item:
Probabley the most accurate of the two and better built.
I'm seriously considering this one for bowfishing.

http://www.cabelas.com/cabelas/en/templates/product/standard-item.jhtml?id=0004839410274a&navAction=push&navCount=3&indexId=cat20026&podId=0004839&catalogCode=QN&parentId=cat20026&parentType=index&rid=

4212. Re: [tvnsp] TV02G

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-12 14:52:57 UTC
From: John Knapp
Topic: 4166 Message: 4212

With the experience we had last weekend, maybe we
should plan for 90,000ft and expect we could hit
120,000ft? :-)

JohnK
--- verhap@... wrote:
> I'm beginning the planning for TV02G. That will be
> the Vallivue
> launch. We'll need to plan what to teach the
> students and how. I'd
> like to discuss this at the next, regularly,
> scheduled meeting.
>
> I'd like to launch one of my capsules and Jeff's
> tracker on this
> flight. We'll use the 1500 balloon and our
> remaining helium. We
> should make 90,000+ feet on that flight.
>
> I may try to modify a small digital camera by then.
> My hope is to
> have a small, light-weight camera suitable for
> tracker capsules like
> Jeff's.
>
> Paul
>

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4213. Re: [tvnsp] Emmett VOI

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-12 14:55:37 UTC
From: John Knapp
Topic: 4146 Message: 4213

We are having a meeting to plan for the retrevial of
the 'hung' capsule. IT is at the Jade Garden at 6:30.
When we set this up we did not know about the Emmett
Chapter meeting. That information came out after we
were scheduled.

JohnK
--- Mike Garske <kc7dpd@...> wrote:
> Ok, Paul, I thought we are having a TVNSP meeting at
> the Jade Garden
> tomorrow night??? Isn't the Emmett VOI chapter
> tomorrow night as well????
> Just checking!
>
> Mike KC7DPD
>
>
>
>
> ----- Original Message -----
> From: <verhap@...>
> To: <tvnsp@yahoogroups.com>
> Sent: Wednesday, September 11, 2002 8:58 AM
> Subject: [tvnsp] Emmett VOI
>
>
> > Assuming I have my dates correct....
> > The day after October's VOI meeting, the Emmett
> club will hold it's
> > October meeting. I plan to present on amateur
> near space and
> > amateur radio. I'd like to have some of the TVNSP
> crew help out.
> > Can someone(s) help out?
> >
> > Tim, will the meeting have access to a LCD
> projector?
> >
> > Paul
> >
> >
> > > YOU BET ! ! !
> > >
> > > -------Original Message-------
> > >

> > > From: tvnsp@yahoogroups.com
> > > Date: Tuesday, September 10, 2002 02:00:57 PM
> > > To: tvnsp@yahoogroups.com
> > > Subject: Re: [tvnsp] TV02F Data
> > >
> > > We have a TVNSP this Thursday. Can we arrange to
> present at
> > > next month's meeting?
> > >
> > > Paul
> > >
> > > > Paul (and everyone else),
> > > >
> > > > The VOI is kicking off an EMMETT chapter with
> a meeting this Thursday
> at
> > > > 7 PM at the Pizza Factory in Emmett. All are
> invited to attend. Talk
> in
> > > will
> > > > be on 146.52
> > > >
> > > > Tim....
> >
> >
> >
> >
> > To unsubscribe from this group, send an email to:
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> >
> >
> >
>
>
>

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http://news.yahoo.com

4214. Re: [tvnsp] TV02G

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-12 15:00:51 UTC
From: Randy Farley
Topic: 4166 Message: 4214

Cutdown device,Cutdown device,Cutdown device......
We make ballooning so much more exciting in Idaho
without one i guess.

>>> kd7hgs@... 09/12/02 08:52AM >>>
With the experience we had last weekend, maybe we
should plan for 90,000ft and expect we could hit
120,000ft? :-)

JohnK
--- verhap@occ1.sd01.k12.id.us wrote:
> I'm beginning the planning for TV02G. That will be
> the Vallivue
> launch. We'll need to plan what to teach the
> students and how. I'd
> like to discuss this at the next, regularly,
> scheduled meeting.
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> I'd like to launch one of my capsules and Jeff's
> tracker on this
> flight. We'll use the 1500 balloon and our
> remaining helium. We
> should make 90,000+ feet on that flight.
>
> I may try to modify a small digital camera by then.
> My hope is to
> have a small, light-weight camera suitable for
> tracker capsules like
> Jeff's.
>
> Paul
>

_____
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4215. Re: [tvnsp] Emmett VOI

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-12 15:01:30 UTC
From: Mike Garske
Topic: 4146 Message: 4215

Hey John,

I have my bowling night tonight at 6:30pm in Garden City so I will not be at Jade Garden tonight. When do you think you can drop off the helium tanks? I should be home most of the day, but I have to drop off my truck at the body shop, hopefully within the next couple hours this morning. Just give me a call, I should be around!

846-9219

I am not in any hurry to get my antenna back, so don't worry too much about it.
Please check out my new website at www.tvnsp.org !
----- Original Message -----
From: "John Knapp" <kd7hgs@...>
To: <tvnsp@yahoogroups.com>
Sent: Thursday, September 12, 2002 8:55 AM
Subject: Re: [tvnsp] Emmett VOI

> We are having a meeting to plan for the retrevial of
> the 'hung' capsule. IT is at the Jade Garden at 6:30.
> When we set this up we did not know about the Emmett
> Chapter meeting. That information came out after we
> were scheduled.
>
> JohnK
> --- Mike Garske <kc7dpd@...> wrote:
> > Ok, Paul, I thought we are having a TVNSP meeting at
> > the Jade Garden
> > tomorrow night??? Isn't the Emmett VOI chapter
> > tomorrow night as well????
> > Just checking!
> >
> > Mike KC7DPD
> >
> >
> >
> >
> > ----- Original Message -----
> > From: <verhap@...>
> > To: <tvnsp@yahoogroups.com>
> > Sent: Wednesday, September 11, 2002 8:58 AM
> > Subject: [tvnsp] Emmett VOI
> >
> >
> > > Assuming I have my dates correct....

> > > The day after October's VOI meeting, the Emmett
> > club will hold it's
> > > October meeting. I plan to present on amateur
> > near space and
> > > amateur radio. I'd like to have some of the TVNSP
> > crew help out.
> > > Can someone(s) help out?
> > >
> > > Tim, will the meeting have access to a LCD
> > projector?
> > >
> > > Paul
> > >
> > >
> > > > YOU BET ! ! !
> > > >
> > > > -------Original Message-------
> > > >
> > > > From: tvnsp@yahoogroups.com
> > > > Date: Tuesday, September 10, 2002 02:00:57 PM
> > > > To: tvnsp@yahoogroups.com
> > > > Subject: Re: [tvnsp] TV02F Data
> > > >
> > > > We have a TVNSP this Thursday. Can we arrange to
> > present at
> > > > next month's meeting?
> > > >
> > > > Paul
> > > >
> > > > > Paul (and everyone else),
> > > > >
> > > > > The VOI is kicking off an EMMETT chapter with
> > a meeting this Thursday
> > at
> > > > > 7 PM at the Pizza Factory in Emmett. All are
> > invited to attend. Talk
> > in
> > > > will
> > > > > be on 146.52
> > > > >
> > > > > Tim....
> > >
> > >
> > >
> > >
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> > >
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4216. Re: [tvnsp] Emmett VOI

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-12 17:16:23 UTC
From: John Knapp
Topic: 4146 Message: 4216

Since we will be doing the capsule rescue Sunday,
should we cancell tonight's meeting and reschedule for
Friday evening?

JohnK
--- verhap@... wrote:
> > Ok, Paul, I thought we are having a TVNSP meeting
> at the Jade Garden
> > tomorrow night??? Isn't the Emmett VOI chapter
> tomorrow night as well????
> > Just checking!
>
> Emmett does meet Thursday, but we don't give a
> presentation until
> their October meeting.
>
> Paul
>

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4217. Re: [tvnsp] Emmett VOI

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-12 17:21:32 UTC
From: Mike Garske
Topic: 4146 Message: 4217

Hey John, the Emmett presentation is next month.....sorry for the
confusion!!

Mike KC7DPD

----- Original Message -----
From: "John Knapp" <kd7hgs@...>
To: <tvnsp@yahoogroups.com>
Sent: Thursday, September 12, 2002 11:16 AM
Subject: Re: [tvnsp] Emmett VOI

> Since we will be doing the capsule rescue Sunday,
> should we cancell tonight's meeting and reschedule for
> Friday evening?
>
> JohnK
> --- verhap@... wrote:
> > > Ok, Paul, I thought we are having a TVNSP meeting
> > at the Jade Garden
> > > > tomorrow night??? Isn't the Emmett VOI chapter
> > tomorrow night as well????
> > > > Just checking!
> > >
> > > Emmett does meet Thursday, but we don't give a
> > > presentation until
> > > their October meeting.
> > >
> > > Paul
> > >
>
>
> _____
> Do you Yahoo!?
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>
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>
>

4218. Re: [tvnsp] Emmett VOI

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-12 18:38:03 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4146 Message: 4218

Either way is fine for me, but iplanned to have dinner at the Texas
Road House on Firday. Can we meet there?

Paul

> Since we will be doing the capsule rescue Sunday,
> should we cancell tonight's meeting and reschedule for
> Friday evening?
>
> JohnK
> --- verhap@... wrote:
> > > Ok, Paul, I thought we are having a TVNSP meeting
> > at the Jade Garden
> > > tomorrow night??? Isn't the Emmett VOI chapter
> > tomorrow night as well????
> > > Just checking!
> >
> > Emmett does meet Thursday, but we don't give a
> > presentation until
> > their October meeting.
> >
> > Paul
> >
>
>
> _____
> Do you Yahoo!?
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>
> To unsubscribe from this group, send an email to:
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>

4219. Re: [tvnsp] Emmett VOI

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-12 18:38:19 UTC
From: John Knapp
Topic: 4146 Message: 4219

Let's go ahead and meet tonight, at least we can discuss options and go from there. I was a little concerned that Randy and Mike couldn't be there tonight, their imput is usually very good.

Who else can be there? We need as many minds as possible to discuss the recovery. Justin, can you make it? If so, please bring your pictures with you. I will bring a projector so we can have a better look at them.

JohnK
--- verhap@... wrote:
> Either way is fine for me, but iplanned to have
> dinner at the Texas
> Road House on Firday. Can we meet there?
>
> Paul
>
> > Since we will be doing the capsule rescue Sunday,
> > should we cancell tonight's meeting and reschedule
> for
> > Friday evening?
> >
> > JohnK
> > --- verhap@... wrote:
> > > > Ok, Paul, I thought we are having a TVNSP
> meeting
> > > at the Jade Garden
> > > > tomorrow night??? Isn't the Emmett VOI chapter
> > > tomorrow night as well????
> > > > Just checking!
> > >
> > > Emmett does meet Thursday, but we don't give a
> > > presentation until
> > > their October meeting.
> > >
> > > Paul
> > >
> >
> >
> > _____
> > Do you Yahoo!?
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> >
> >
> > To unsubscribe from this group, send an email to:
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>

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4220. Re: [tvnsp] Emmett VOI

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-12 19:43:37 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4146 Message: 4220

I'll be there.
Paul

> Let's go ahead and meet tonight, at least we can
> discuss options and go from there. I was a little
> concerned that Randy and Mike couldn't be there
> tonight, their imput is usually very good.
>
> Who else can be there? We need as many minds as

4221. Re: Emmett VOI

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-12 18:49:10 UTC
From: Justin Formolo
Topic: 4146 Message: 4221

Ya, I can be there tonight at Jade Garden. I'll transfer the pictures onto a diskette or maybe a CD-RW disc. I might not be able to help out Sunday because I'm meeting with a study group to prepare for our first BIG test of the semester on Monday morning. That is really important to me right now and is priority #1.

Justin.

4222. MIM Docs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-12 19:57:53 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4222 Message: 4222

I'm looking for MIM documentation. So far I have nothing over the net. What I have at home is the 1.04 version of the documents. My MIM isn't sending clear packets and the HT is notr constantly keyed during CW ID. I need to find out about the J1 jumper, which I believe is used to put the MIM into HT mode. I also need to find out if the MIM already has a cap in the audio line and a resistor in the PTT line (I've added those to my PCB design and that may be messing up the packets).

So if anyone knows where MIM documents can be found online, please let me know. So far a search on MIM and micro interface module have turned up dead ends.

Paul

4223. Re: [tvnsp] Emmett VOI

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-12 19:11:57 UTC
From: Randy Farley
Topic: 4146 Message: 4223

I guess i missed the VOTE for the Sunday trek somewhere,but that is
fine for me. I may have to use a day of vacation Monday to recover
from the long jaunt in the woods ;)

John,you may have to call me Sat. to fill me in on the final details. Saturday is going to be a full one for me at our repeater site so i will not be around the puter till late.

>>> kd7hgs@yahoo.com 09/12/02 12:38PM >>>
Let's go ahead and meet tonight, at least we can
discuss options and go from there. I was a little
concerned that Randy and Mike couldn't be there
tonight, their imput is usually very good.

Who else can be there? We need as many minds as
possible to discuss the recovery. Justin, can you make
it? If so, please bring your pictures with you. I will
bring a projector so we can have a better look at
them.

JohnK
--- verhap@occ1.sd01.k12.id.us wrote:
> Either way is fine for me, but iplanned to have
> dinner at the Texas
> Road House on Firday. Can we meet there?
>
> Paul
>
> > Since we will be doing the capsule rescue Sunday,
> > should we cancell tonight's meeting and reschedule
> for
> > Friday evening?
> >
> > JohnK
> > --- verhap@... wrote:
> > > > Ok, Paul, I thought we are having a TVNSP
> meeting
> > > > at the Jade Garden
> > > > > tomorrow night??? Isn't the Emmett VOI chapter
> > > > tomorrow night as well????
> > > > > Just checking!
> > > >
> > > > Emmett does meet Thursday, but we don't give a
> > > > presentation until
> > > > their October meeting.
> > > >
> > > > Paul

> > >
> >
> >
> > _____
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4224. Re: [tvnsp] MIM Docs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-12 20:40:23 UTC
From: Rick Widmer
Topic: 4222 Message: 4224

verhap@... wrote:

> So if anyone knows where MIM documents can be found online,
> please let me know. So far a search on MIM and micro interface
> module have turned up dead ends.

Have you tried:

http://web.usna.navy.mil/~bruninga/mim22.html

4225. Insurance company for VOI

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-13 00:03:31 UTC
From: Mark Conner
Topic: 4225 Message: 4225

Can anyone tell me what company VOI uses for their liability insurance? I'm trying to work something with our local radio club regarding insurance. I did a search of the archives for the name and came up empty.

- Mark

4226. Regular meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-13 04:03:12 UTC
From: John Knapp
Topic: 4222 Message: 4226

The next regular meeting of TVNSP will be at the Jade Garden in Nampa at 6:30pm. Date is Sept. 20.

Randy, can you do your APRS presentation? If not, we will do Liftwin and, possibly, Balloon Track.

JohnK
KD7HGS

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4227. Capsule Retreival

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-13 12:33:05 UTC
From: Jeff Melanson
Topic: 4079 Message: 4227

Randy,

It looks like it's going to be me, Paul, and you for this trip. We plan on leaving from my house at 6 am Sunday. Will that work for you?

Jeff
KD7INN

4228. Tracker Test

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-13 14:06:18 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4228 Message: 4228

I have a tracker operating at the center. Can someone check their APRS and see if you can see KD4STH-10? I'll have to shut it down soon, but will try again around 10:00.

Paul

4229. Re: [tvnsp] Capsule Retreival

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-13 13:20:19 UTC
From: Randy Farley
Topic: 4079 Message: 4229

That will be fine.
What have we decided on for equipment?
Would my ATV be useful or is it all hoof work?

>>> kd7inn@... 09/13/02 06:33AM >>>
Randy,

It looks like it's going to be me, Paul, and you for this
trip. We plan on leaving from my house at 6 am Sunday. Will
that work for you?

Jeff
KD7INN

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4230. Re: [tvnsp] Regular meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-13 13:21:23 UTC
From: Randy Farley
Topic: 4222 Message: 4230

Yes i can do APRS
Can you get the projector?

>>> kd7hgs@... 09/12/02 10:03PM >>>
The next regular meeting of TVNSP will be at the Jade
Garden in Nampa at 6:30pm. Date is Sept. 20.

Randy, can you do your APRS presentation? If not, we
will do Liftwin and, possibly, Balloon Track.

JohnK
KD7HGS

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4231. Re: [tvnsp] Regular meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-13 13:29:07 UTC
From: John Knapp
Topic: 4222 Message: 4231

Sure can.

JohnK
--- Randy Farley <rfarley@...> wrote:
> Yes i can do APRS
> Can you get the projector?
>
> >>> kd7hgs@... 09/12/02 10:03PM >>>
> The next regular meeting of TVNSP will be at the
> Jade
> Garden in Nampa at 6:30pm. Date is Sept. 20.
>
> Randy, can you do your APRS presentation? If not, we
> will do Liftwin and, possibly, Balloon Track.
>
> JohnK
> KD7HGS
>
> _____
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4232. Re: [tvnsp] Tracker Test

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-13 13:29:07 UTC
From: Randy Farley
Topic: 4228 Message: 4232

Nothing on Findu form work yet.

>>> verhap@... 09/13/02 07:06AM >>>
I have a tracker operating at the center. Can someone check their
APRS and see if you can see KD4STH-10? I'll have to shut it down
soon, but will try again around 10:00.

Paul

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4233. Monitors

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-13 14:55:25 UTC
From: John Knapp
Topic: 4228 Message: 4233

Paul, did you want me and/or Mike to pick up the Monitors tomorrow? I do we talked a little about it Wednesday night at VOI. If you do, let me know where and when.

JohnK

_____
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4234. Re: [tvnsp] Monitors

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-13 16:25:49 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4228 Message: 4234

Russ, what time Saturday can we pick up the monitors?

Paul

> Paul, did you want me and/or Mike to pick up the
> Monitors tomorrow? I do we talked a little about it
> Wednesday night at VOI. If you do, let me know where
> and when.
>
> JohnK
>
> _____
> Do you Yahoo!?
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>
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4235. Capsule Rescue, part 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-13 22:50:02 UTC
From: John Knapp
Topic: 4228 Message: 4235

Paul, Jeff, and Randy

I just talke to KG7CN, Dave, in Mt. Home. They are headed up to Pine in the morning. He was using his mobile radio in his truck last week, has bought a new Yasuea radio and will be installing it in the cabin. I told him you would contact him on Simplex when you get up there. He is very interested in the group and has joined the list. He will probably see this email :-)

Other important information, courtesy of Dave. The road you want is at milepost 127. There is a sign that says Featherville and Pine. It is 19 miles to Pine, all paved.

The weather is changing, the freezing level will be dropping to 7500ft Saturday night, could be a little cool up there Sunday morning.

The road, FS183, is also called Wagontown Road. The turn off may a little difficult to find. He said that the road is good, but there may be a lot of ATV's on it. Be careful of those little guys.

Good luck and good hunting

JohnK
KD7HGS

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4236. The injured

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-13 22:52:09 UTC
From: John Knapp
Topic: 4228 Message: 4236

Deb had her MRI this afternoon. Looks like two torn tendons/legiments (Kinda a guess). The doctor won't see them until next week and we have an appointment a week from Monday.

JohnK

_____
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http://autos.yahoo.com

4237. Re: [tvnsp] Monitors

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-13 22:52:45 UTC
From: John Knapp
Topic: 4228 Message: 4237

Did we hear anymore on the monitors?

JohnK
--- verhap@... wrote:
> Russ, what time Saturday can we pick up the
> monitors?
>
> Paul
>
> > Paul, did you want me and/or Mike to pick up the
> > Monitors tomorrow? I do we talked a little about
> it
> > Wednesday night at VOI. If you do, let me know
> where
> > and when.
> >
> > JohnK
> >
> > _____
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4238. Re: [tvnsp] Monitors

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-14 05:47:35 UTC
From: Russ Dunn
Topic: 4228 Message: 4238

Let's meet 12:30 PM Saturday at 323 LaFond St (west Caldwell), about .25 mile south on Kit Ave from Simplot Blvd (Hwy 19). Will that work? I think there are 4 more 15" monitors.

Russ
----- Original Message -----
From: verhap@...
To: tvnsp@yahoogroups.com
Sent: Friday, September 13, 2002 10:25 AM
Subject: Re: [tvnsp] Monitors

Russ, what time Saturday can we pick up the monitors?

Paul

> Paul, did you want me and/or Mike to pick up the
> Monitors tomorrow? I do we talked a little about it
> Wednesday night at VOI. If you do, let me know where
> and when.
>
> JohnK

4239. Re: [tvnsp] Capsule Retreival

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-14 07:15:11 UTC
From: Jeff Melanson
Topic: 4079 Message: 4239

Randy,

We drive in to a certain point then walk the rest of the
way. Two wheeled vehicles are allowed on this trail but not
4 wheeled vehicles.

Jeff

4240. Re: [tvnsp] Capsule Retreival

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-14 07:22:55 UTC
From: Jeff Melanson
Topic: 4079 Message: 4240

Randy,

We have tree climbing equipment used by hunters. Basically
these are steps that strap on to the tree and a safety belt.
We plan on you using your Bow and Arrow first and climbing
last.

Jeff
KD7INN

4241. Re: [tvnsp] Monitors

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-14 16:18:39 UTC
From: John Knapp
Topic: 4228 Message: 4241

I will be there...

John Knapp
KD7HGS
--- Russ Dunn <n7sma@...> wrote:
> Let's meet 12:30 PM Saturday at 323 LaFond St (west
> Caldwell), about .25 mile south on Kit Ave from
> Simplot Blvd (Hwy 19). Will that work? I think
> there are 4 more 15" monitors.
>
> Russ
> ----- Original Message -----
> From: verhap@...
> To: tvnsp@yahoogroups.com
> Sent: Friday, September 13, 2002 10:25 AM
> Subject: Re: [tvnsp] Monitors
>
>
> Russ, what time Saturday can we pick up the
> monitors?
>
> Paul
>
> > Paul, did you want me and/or Mike to pick up the
> > Monitors tomorrow? I do we talked a little about
> it
> > Wednesday night at VOI. If you do, let me know
> where
> > and when.
> >
> > JohnK
>

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4242. Re: [tvnsp] Monitors

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-14 21:37:54 UTC
From: John Knapp
Topic: 4228 Message: 4242

Jeff, Paul

I picked up three VGA 15in Monitors, one 14 in. Monochrome monitor, and two printers.

There is a gentleman interested in one of the P133's we picked up earlier so we need to put a price on them. Lets discuss this Friday at the meeting, not on the list.

JohnK
KD7HGS

--- John Knapp <kd7hgs@...> wrote:
> I will be there...
>
> John Knapp
> KD7HGS
> --- Russ Dunn <n7sma@...> wrote:
> > Let's meet 12:30 PM Saturday at 323 LaFond St
> (west
> > Caldwell), about .25 mile south on Kit Ave from
> > Simplot Blvd (Hwy 19). Will that work? I think
> > there are 4 more 15" monitors.
> >
> > Russ
> > ----- Original Message -----
> > From: verhap@...
> > To: tvnsp@yahoogroups.com
> > Sent: Friday, September 13, 2002 10:25 AM
> > Subject: Re: [tvnsp] Monitors
> >
> >
> > Russ, what time Saturday can we pick up the
> > monitors?
> >
> > Paul
> >
> > > Paul, did you want me and/or Mike to pick up
> the
> > > Monitors tomorrow? I do we talked a little
> about
> > it
> > > Wednesday night at VOI. If you do, let me know
> > where
> > > and when.

> > >
> > > JohnK
> >
>
>
> _____
> Do You Yahoo!?
> Yahoo! Autos - Get free new car price quotes
> http://autos.yahoo.com
>

_____
Do You Yahoo!?
Yahoo! Autos - Get free new car price quotes
http://autos.yahoo.com

4243. Re: [tvnsp] Capsule Retreival

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-15 02:26:49 UTC
From: Randy Farley
Topic: 4079 Message: 4243

What do you estimate the walking distance to be Jeff?
Is the terrain easier than what Paul and Justin encountered.
Will a small backpack suffice along with my bow?
Dont like to carry any more weight than necessary
Just anticipating what an age enhanced guy should bring
to keep up with the 'youngins"s ;)

And where i can i meet you guys along the freeway?
I assume you will be on 147.240 also.

Jeff Melanson wrote:
>
> Randy,
>
> We drive in to a certain point then walk the rest of the
> way. Two wheeled vehicles are allowed on this trail but not
> 4 wheeled vehicles.
>
> Jeff
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

--
Regards,

Randy Farley
N7GPS -Ham Call-
My QTH at: http://map.findu.com/n7gps
Find Me Mobile at: http://map.findu.com/n7gps-9

4244. Re: [tvnsp] Capsule Retreival

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-15 03:21:22 UTC
From: Jeff Melanson
Topic: 4079 Message: 4244

Randy,

When Paul and Justin went in they travelled 2.2 miles over rough terrain. We will travel 3 to 4 miles on a trail then 1 mile off the trail. It doesn't look like it will be anything like what they encountered. It should be much easier.

Paul and I will be leaving my house at about 6 am and should be on the freeway shortly in ten to 15 minutes. Plan on being in our area at about that time and we'll meet on 147.24.

Paul and I checked the weather for the mountains and it will be 70 to 93 and partly cloudy. Sunday night will be thunderstorms and rain.

I don't plan on walking to fast, it uses up to much energy. Paul naturally walks faster with his long legs. He'll have to slow down for us.

Jeff
KD7INN

Randy Farley wrote:
>
> What do you estimate the walking distance to be Jeff?
> Is the terrain easier than what Paul and Justin encountered.
> Will a small backpack suffice along with my bow?
> Dont like to carry any more weight than necessary
> Just anticipating what an age enhanced guy should bring
> to keep up with the 'youngins"s ;)
>
> And where i can i meet you guys along the freeway?
> I assume you will be on 147.240 also.
>
> Jeff Melanson wrote:
> >
> > Randy,
> >
> > We drive in to a certain point then walk the rest of the
> > way. Two wheeled vehicles are allowed on this trail but not
> > 4 wheeled vehicles.
> >
> > Jeff
> >
> >

> > To unsubscribe from this group, send an email to:
> > tvnsp-unsubscribe@egroups.com
> >
> >
> >
> > Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
> --
> Regards,
>
> Randy Farley
> N7GPS -Ham Call-
> My QTH at: http://map.findu.com/n7gps
> Find Me Mobile at: http://map.findu.com/n7gps-9
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
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4245. Re: [tvnsp] Capsule Retreival

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-15 03:23:33 UTC
From: Jeff Melanson
Topic: 4079 Message: 4245

Randy,

Will you have your tracker tommorrow? John and Deb want to
track us. Don't forget to charge your radio batteries.

Jeff

Randy Farley wrote:
>
> What do you estimate the walking distance to be Jeff?
> Is the terrain easier than what Paul and Justin encountered.
> Will a small backpack suffice along with my bow?
> Dont like to carry any more weight than necessary
> Just anticipating what an age enhanced guy should bring
> to keep up with the 'youngins"s ;)
>
> And where i can i meet you guys along the freeway?
> I assume you will be on 147.240 also.
>
> Jeff Melanson wrote:
> >
> > Randy,
> >
> > We drive in to a certain point then walk the rest of the
> > way. Two wheeled vehicles are allowed on this trail but not
> > 4 wheeled vehicles.
> >
> > Jeff
> >
> >
> > To unsubscribe from this group, send an email to:
> > tvnsp-unsubscribe@egroups.com
> >
> >
> >
> > Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
> --
> Regards,
>
> Randy Farley
> N7GPS -Ham Call-
> My QTH at: http://map.findu.com/n7gps
> Find Me Mobile at: http://map.findu.com/n7gps-9
>
>

> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

4246. Re: [tvnsp] Capsule Retreival

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-15 11:12:27 UTC
From: Randy Farley
Topic: 4079 Message: 4246

Ok,i'll meet ya .24

Jeff Melanson wrote:
>
> Randy,
>
> When Paul and Justin went in they travelled 2.2 miles over
> rough terrain. We will travel 3 to 4 miles on a trail then 1
> mile off the trail. It doesn't look like it will be anything
> like what they encountered. It should be much easier.
>
> Paul and I will be leaving my house at about 6 am and should
> be on the freeway shortly in ten to 15 minutes. Plan on
> being in our area at about that time and we'll meet on
> 147.24.
>
> Paul and I checked the weather for the mountains and it will
> be 70 to 93 and partly cloudy. Sunday night will be
> thunderstorms and rain.
>
> I don't plan on walking to fast, it uses up to much energy.
> Paul naturally walks faster with his long legs. He'll have
> to slow down for us.
>
> Jeff
> KD7INN
>
> Randy Farley wrote:
> >
> > What do you estimate the walking distance to be Jeff?
> > Is the terrain easier than what Paul and Justin encountered.
> > Will a small backpack suffice along with my bow?
> > Dont like to carry any more weight than necessary
> > Just anticipating what an age enhanced guy should bring
> > to keep up with the 'youngins"s ;)
> >
> > And where i can i meet you guys along the freeway?
> > I assume you will be on 147.240 also.
> >
> > Jeff Melanson wrote:
> > >
> > > Randy,
> > >
> > > We drive in to a certain point then walk the rest of the
> > > way. Two wheeled vehicles are allowed on this trail but not

> > > 4 wheeled vehicles.
> > >
> > > Jeff
> > >
> > >
> > > To unsubscribe from this group, send an email to:
> > > tvnsp-unsubscribe@egroups.com
> > >
> > >
> > >
> > > Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
> >
> > --
> > Regards,
> >
> > Randy Farley
> > N7GPS -Ham Call-
> > My QTH at: http://map.findu.com/n7gps
> > Find Me Mobile at: http://map.findu.com/n7gps-9
> >
> >
> > To unsubscribe from this group, send an email to:
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> >
> >
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>
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> tvnsp-unsubscribe@egroups.com
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>
>
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--
Regards,

Randy Farley
N7GPS -Ham Call-
My QTH at: http://map.findu.com/n7gps
Find Me Mobile at: http://map.findu.com/n7gps-9

4247. Re: [tvnsp] Capsule Retreival

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-15 11:13:05 UTC
From: Randy Farley
Topic: 4079 Message: 4247

Yes on tracker,got batteries.

Jeff Melanson wrote:
>
> Randy,
>
> Will you have your tracker tommorrow? John and Deb want to
> track us. Don't forget to charge your radio batteries.
>
> Jeff
>
> Randy Farley wrote:
> >
> > What do you estimate the walking distance to be Jeff?
> > Is the terrain easier than what Paul and Justin encountered.
> > Will a small backpack suffice along with my bow?
> > Dont like to carry any more weight than necessary
> > Just anticipating what an age enhanced guy should bring
> > to keep up with the 'youngins"s ;)
> >
> > And where i can i meet you guys along the freeway?
> > I assume you will be on 147.240 also.
> >
> > Jeff Melanson wrote:
> > >
> > > Randy,
> > >
> > > We drive in to a certain point then walk the rest of the
> > > way. Two wheeled vehicles are allowed on this trail but not
> > > 4 wheeled vehicles.
> > >
> > > Jeff
> > >
> > >
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> > >
> > >
> > >
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> >
> > --
> > Regards,
> >
> > Randy Farley

> > N7GPS -Ham Call-
> > My QTH at: http://map.findu.com/n7gps
> > Find Me Mobile at: http://map.findu.com/n7gps-9
> >
> >
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> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

--
Regards,

Randy Farley
N7GPS -Ham Call-
My QTH at: http://map.findu.com/n7gps
Find Me Mobile at: http://map.findu.com/n7gps-9

4248. NSTAR just landed

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-15 14:31:51 UTC
From: Zack Clobes
Topic: 4248 Message: 4248

Looks like Mark had a good flight this morning. It just landed at about 9:22 central this morning within a couple miles of his prediction.

Zack Clobes, W0ZC
Project: Traveler
www.rckara.org/

4249. Re: [tvnsp] Capsule Retreival

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-15 16:47:09 UTC
From: John Knapp
Topic: 4079 Message: 4249

Just talked to the capsule retreivers. Randy, Jeff and Paul are on FS 183, about 4.5 miles Northeast of the capsule.

JohnK
KD7HGS

_____
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4250. Quick flight summary

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-15 18:22:43 UTC
From: Mark Conner
Topic: 4250 Message: 4250

Everything went pretty well today. The launch was only a few minutes late at about 8:04am. A few minutes before 8, we saw a hot-air balloon flying by within about a half-mile and about 2000 ft AGL. Not sure if he saw us or not. In the payload videotape, you can see the balloon on several turns of the camera, but it's hard to see it against the ground a few minutes later. As stated earlier, the tape stopped before landing.

Primary, backup, and simplex repeater functioned throughout the flight. The simplex repeater only had a few contacts, the most distant one being a station near Des Moines. We also noticed poorer signal strength as well, though I don't think it was enough to account for fewer contacts. Maybe we just didn't have as many try. I may have to put a 70cm twinlead J-pole with a short coax feed on and just let it hang. Surely that won't be long enough to short power lines.

With perfectly clear skies today and a good position relative to the sun, we were able to see the balloon with the naked eye. A few saw the balloon burst with binoculars and were able to see the package fall away from the shards and the cloud of talc. I could see the talc for about 15 seconds after burst with unaided vision.

We noticed the spiraling descent again caused by the balloon remnants deforming the chute. The 350g balloon shredded cleanly and not much came back.

The package landed in a cornfield about 0.3 miles off the road. We were able to walk on a grass trail and beans for most of it, but then had to hike into the corn about 200 yds to retrieve it. The GPS led us right to it, and we had observers on a rise above the field to help direct us too. The chute was lying on the tops of the corn but the payloads were resting on the ground.

73 de Mark N9XTN

4251. Re: [tvnsp] Capsule Retreival

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-15 18:31:32 UTC
From: Stephanie Steele
Topic: 4079 Message: 4251

Hi John,

What frequency did you speak to them on and what is the lat/lon of the capsule. Sorry to hear about Deb.

Stephanie

John Knapp wrote:
> Just talked to the capsule retreivers. Randy, Jeff and
> Paul are on FS 183, about 4.5 miles Northeast of the
> capsule.
>
> JohnK
> KD7HGS
>
> _____
> Do you Yahoo!?
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>
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> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
>
>

--
Stephanie

****

Friends are quiet angels who lift us to our feet when our wings have trouble remembering how to fly.

****

"They that can give up essential liberty to obtain a little temporary safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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de recta non tolerandum sunt

4252. Re: [tvnsp] Capsule Retreival

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-15 20:34:53 UTC
From: John Knapp
Topic: 4079 Message: 4252

The working frequency is simplex - 146.52. The
repeater frequency is 147.84, PLL tone 100, minus
offset.

The capsule is at approximately 43.3262N and
115.2074W. This is the last reported location on
findu. The balloon did drift a little from that
location thought. Sorry I can't be more accurate.

A lot of my information is coming directly from KG7CN
by telephone. He has a beam pointed directly on them
on simplex. I am monitoring the 84 repeater, I have
talked to Randy on that frequency.

JohnK
--- Stephanie Steele <stephanie@...> wrote:
> Hi John,
>
> What frequency did you speak to them on and what is
> the lat/lon of the
> capsule. Sorry to hear about Deb.
>
> Stephanie
>
>
> John Knapp wrote:
> > Just talked to the capsule retreivers. Randy, Jeff
> and
> > Paul are on FS 183, about 4.5 miles Northeast of
> the
> > capsule.
> >
> > JohnK
> > KD7HGS
> >
> > _____
> > Do you Yahoo!?
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> > To unsubscribe from this group, send an email to:
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> >
> >
>
>
> --
> Stephanie
>
> ******************************
>
> Friends are quiet angels who lift us to our feet
> when our wings have
> trouble remembering how to fly.
>
> ******************************
>
> "They that can give up essential liberty to obtain a
> little temporary
> safety deserve neither liberty nor safety."
>
> Benjamin Franklin (1706-1790), Letter to Josiah
> Quincy, Sept. 11, 1773.
>
> "Those who desire to give up freedom in order to
> gain security will not
> have, nor do they deserve, either one."
>
> President Thomas Jefferson.
> 1743-1826
>
> ******************************
>
> Send and receive money safely over the Internet by
> using PayPal. I use
> it and highly recommend it as a safe and reliable
> means to conduct
> business. By using the link below we both will
> receive a $5 sign up bonus.
>
> https://www.paypal.com/refer/pal=kc7dba%40arrl.net
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4253. Re: [tvnsp] Capsule Retreival

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-15 21:26:06 UTC
From: John Knapp
Topic: 4079 Message: 4253

The working frequency is simplex - 146.52. The
repeater frequency is 147.84, PLL tone 100, minus
offset.

The capsule is at approximately 43.3262N and
115.2074W. This is the last reported location on
findu. The balloon did drift a little from that
location thought. Sorry I can't be more accurate.

A lot of my information is coming directly from KG7CN
by telephone. He has a beam pointed directly on them
on simplex. I am monitoring the 84 repeater, I have
talked to Randy on that frequency.

JohnK
--- Stephanie Steele <stephanie@...> wrote:
> Hi John,
>
> What frequency did you speak to them on and what is
> the lat/lon of the
> capsule. Sorry to hear about Deb.
>
> Stephanie
>
>
> John Knapp wrote:
> > Just talked to the capsule retreivers. Randy, Jeff
> and
> > Paul are on FS 183, about 4.5 miles Northeast of
> the
> > capsule.
> >
> > JohnK
> > KD7HGS
> >
> > _____
> > Do you Yahoo!?
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> >
> >
> >
>
>
> --
> Stephanie
>
> ******************************
>
> Friends are quiet angels who lift us to our feet
> when our wings have
> trouble remembering how to fly.
>
> ******************************
>
> "They that can give up essential liberty to obtain a
> little temporary
> safety deserve neither liberty nor safety."
>
> Benjamin Franklin (1706-1790), Letter to Josiah
> Quincy, Sept. 11, 1773.
>
> "Those who desire to give up freedom in order to
> gain security will not
> have, nor do they deserve, either one."
>
> President Thomas Jefferson.
> 1743-1826
>
> ******************************
>
> Send and receive money safely over the Internet by
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> means to conduct
> business. By using the link below we both will
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>
>
>

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4254. Re: [tvnsp] Capsule Retreival

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-15 21:29:22 UTC
From: John Knapp
Topic: 4079 Message: 4254

Latest update from the crew. They are at the tree,
apparently they cannot use the tree latter due to the
height of the branches. There are going to try the
wrist rocket. More when I here from them or KG7CN.d

JohnK

_____
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http://news.yahoo.com

4255. Measuring acceleration of payload at launch/burst

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-16 02:30:37 UTC
From: Mark Conner
Topic: 4255 Message: 4255
Attachments: 2 described; binary payloads are missing from this source WARC

I've always wondered how long it takes for a balloon to reach a steady-state ascent rate after launch. It's pretty hard to eyeball from the ground.

On my payload, I use the $PGRMV sentence to determine vertical velocity. This is handy for determining launch, burst, and vertical velocity while in flight. The output of the sentence is in meters/sec, which I convert into feet/min.

The attached graphic shows the data right after release of this morning's NSTAR 02-E flight. The beacon rate is set to about an 8-second interval after launch, then it's 30 seconds after a couple of minutes. The magenta points are computed by subtracting altitudes for consecutive reports, the blue points are those from the $PGRMV.

The first packet sent as a result of vertical motion being detected is at 13:04:17. At that time, both reports show an ascent rate of about 300 ft/min. This is at an altitude of about 150' AGL. After that, the two curves diverge for about a minute. The $PGRMV shows a steady increase to 1250 ft/min over about 45 seconds. Finite differencing shows that by 10-12 seconds after launch, the steady-state rate is already achieved.

I think that at least the vertical (Z-axis) component of the $PGRMV data has some filtering done to the velocities. A similar effect can be seen right after burst. The finite difference method jumps quickly to a large descent rate (negative value), while the $PGRMV-derived rates are slower to change.

Other than the differences after sudden changes in vertical velocity, the finite differencing velocities would match quite well with the PGRMV sentences.

73 de Mark N9XTN

4256. Re: [tvnsp] Capsule Retreival

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-16 03:19:56 UTC
From: John Knapp
Topic: 4079 Message: 4256

The crew is on their way home. There were going to stop in Pine and then head out. They could not retrieve the capsule so we will have come up with a different plan.

JohnK

_____
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http://news.yahoo.com

4257. Re: [tvnsp] Capsule Retreival

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-16 06:18:22 UTC
From: Jeff Melanson
Topic: 4079 Message: 4257

John,

The tree grew 50 feet during the week. The capsule is at
least 100 ft up. The tree towered over us holding the
capsule as if to say "Ha Ha, you can't reach it!". I have no
plans to go back.

Many thanks to Dave KG7CN and his girlfriend for monitoring
our progress and for having dinner waiting for us when we
got back. It was nice to know someone knew where we were and
the meal helped us regain our strength.

Jeff
KD7INN

John Knapp wrote:
>
> The crew is on their way home. There were going to
> stop in Pine and then head out. They could not
> retrieve the capsule so we will have come up with a
> different plan.
>
> JohnK
>
> ---
> Do you Yahoo!?
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4258. Re: [tvnsp] Monitors

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-16 14:19:13 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4228 Message: 4258

> I picked up three VGA 15in Monitors, one 14 in.
> Monochrome monitor, and two printers.
>
> There is a gentleman interested in one of the P133's
> we picked up earlier so we need to put a price on
> them. Lets discuss this Friday at the meeting, not on
> the list.

Thanks, Russ' message didn't get to me until after I left the classroom. I agree with the P133 idea.

See everyone on Friday,
Paul

4259. Dave's Address

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-16 14:40:36 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4259 Message: 4259

John, can you send me Dave's address off-line? I have a patch and photograph to send him. Jeff's going to make him a copy of a near space video, also.

Perhaps some day we can visit him at a time when we are not in a need of help!

Paul

4260. Dave's Package

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-16 14:43:14 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4260 Message: 4260

Dave, the envelope I'm sending has a 8 X 10 photograph taken from 86,000 feet. The horizon is 390 miles away and the air temperature was 89 degrees F. The photo was taken over Kansas and looks towards the west or north-west.

The patch is a TVNSP patch that went up on a flight. On the back is a tape label indicating which flight and it's altitude (I don't recall which one it was).

Thanks again for your help.

Paul

4261. TV02F

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-16 14:47:27 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3904 Message: 4261

The TV02F capsule is not lost, just currently unrecoverable. I plan to hike out there again next year and check up on it. I underestimated the height of the tree last week. The ground is very steep and difficult to walk around on.

Getting back was a little more difficult than getting there. There's a steep hill just before the creek that's tough going back up. However, Team TVNSP made it like real troopers. Thanks everyone.

If you get any other recovery ideas, please share them.

TVNSP, not just amateur science, it's an adventure.

Paul

4262. Near Space History

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-16 15:01:43 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4262 Message: 4262

For my book, I'd like to write a short section on Amateur Near Space history. I don't think anyone has written down notes on the events or time lines for amateur near space programs. So I'm looking for the dates of the formation of groups, their first launches, the first time events happened in amateur near space, etc.

Please email me any notes discussing events in amateur near space. For example, who and when was the first repeater flown? Who and when was the first ATV sent on a balloon? Did it send images from near space or was it a repeater? How about SSTV? What about camcorders? Those sorts of things.

To start off, KNSP flew a camcorder into near space on December 1997. It also flew a SSTV unit (VC-H1) in October 1998 and send SSTV images taken from the balloon during its flight. Dan Miller caught a near space capsule just before it landed in October 1998 after it made a three hour flight covering 90 miles. TVNSP recordered an entire flight on video, from launch to landing, where the capsule made it into near space (above 75,000 feet) in November 2001. I think these examples are firsts, but I don't know. Ralph, do you have notes on these sorts of things?

Thanks for your time,
Paul "amateur historian for amateur near space" Verhage

4263. Re: TV02F

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-16 15:29:10 UTC
From: Justin Formolo
Topic: 3904 Message: 4263

Was the route you guys took any better/easier than the first attempt's?

Justin, KD7PIT

4264. Re: [tvnsp] Re: TV02F

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-16 17:01:42 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3904 Message: 4264

Oh yes!

But still not easy.

Paul

> Was the route you guys took any better/easier than the first
> attempt's?
>
> Justin, KD7PIT
>
>
>
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>
>
>
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>
>

4265. October Balloon Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-16 17:03:52 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4265 Message: 4265

October 19th is when we're scheduled to launch for Vallivue. I'll begin discusses on this at the next meeting.

I also plan to bring some early KNSP videos and a copy from Dr. Atkinson on Galileo and Huygens probe drop tests.

Paul

4266. Re: TV02F

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-17 00:53:44 UTC
From: w7ecs
Topic: 3904 Message: 4266

--- In tvnsp@y..., <verhap@o...> wrote:

I have read your messages at work and had quite a chuckle with coworkers about at tree that grew 50 ft in one week. An idea is to use a high power rifle and shoot down the branch. If it is real steep you can probably get close to it horizontally. How large is the branch? $20 bucks or so for a box of ammo.

Many years ago I worked in the Forest Service and climbed 5 ft diameter trees - but not that high! I used climbers and a rope for a belt. We worked on telephone lines and saw one tree where someone had climbed about 75 to 100 ft to an insulator - story was smoke jumpers installed that one.

You can also use the wrist rocket to launch a string over the branch and pull up a rope and a climber.

Have fun, Clif W7ECS

4267. Re: [tvnsp] Monitors

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-17 04:03:19 UTC
From: Tim Rynearson
Topic: 4228 Message: 4267
Attachments: 2 described; binary payloads are missing from this source WARC

Paul,

Did you not get the message that I sent directly to your email address,
concerning the computers ?

Tim, N7UBO

-------Original Message-------

From: tvnsp@yahoogroups.com
Date: Monday, September 16, 2002 06:50:34 AM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] Monitors

> I picked up three VGA 15in Monitors, one 14 in.
> Monochrome monitor, and two printers.
>
> There is a gentleman interested in one of the P133's
> we picked up earlier so we need to put a price on
> them. Lets discuss this Friday at the meeting, not on
> the list.

Thanks, Russ' message didn't get to me until after I left the
classroom. I agree with the P133 idea.

See everyone on Friday,
Paul

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4268. Re: TV02F Recovery Expedition

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-17 14:25:22 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4268 Message: 4268

Great photos. We'll get them on the webpage.

Paul

> Here are a few photos of Sundays trip.
> --
> Regards,
>
> Randy Farley
> N7GPS -Ham Call-
> My QTH at: http://map.findu.com/n7gps
> Find Me Mobile at: http://map.findu.com/n7gps-9

4269. History

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-17 14:40:24 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4269 Message: 4269

I'm looking for dates that groups first launched. Does nayone know the first launch with GPS? How about the first flight that is certified, through GPS, to go higher than 100,000 feet.

Dates, I need dates!

Paul

4270. Re: [tvnsp] Re: TV02F Recovery Expedition

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-17 15:59:59 UTC
From: John Knapp
Topic: 4268 Message: 4270

Is there a link to the pictures?

JohnK
--- verhap@... wrote:
> Great photos. We'll get them on the webpage.
>
> Paul
>
> > Here are a few photos of Sundays trip.
> > --
> > Regards,
> >
> > Randy Farley
> > N7GPS -Ham Call-
> > My QTH at: http://map.findu.com/n7gps
> > Find Me Mobile at: http://map.findu.com/n7gps-9
>
>
>

_____
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4271. [tvnsp] Re: TV02F

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-17 16:03:17 UTC
From: Randy Farley
Topic: 3904 Message: 4271

I thought about that method after i got home,but considered it too destructive for a nice healthy Pondersosa pine. If it were diseased
or an old snag,i might consider that approach.

This week end,i am going to the hills to practice on a tree of that stature with my bow and or wrist-rocket. Will do so some serious testing of line strength, line length, projectile weight and overall technique. Then i can teach Paul
how to do it since he like hiking in places "where no man has gone before".

Maybe one of the eagles in the area will think the parachute
material will be good for her nest and rip it to shreds for us ;-)

I wonder if "Spider Man" needs a job.

regards

Randy Farley
Woodgrain Millwork

>>> w7ecs@... 09/16/02 06:53PM >>>
--- In tvnsp@y..., <verhap@o...> wrote:

I have read your messages at work and had quite a chuckle with coworkers about at tree that grew 50 ft in one week. An idea is to use a high power rifle and shoot down the branch. If it is real steep you can probably get close to it horizontally. How large is the branch? $20 bucks or so for a box of ammo.

Many years ago I worked in the Forest Service and climbed 5 ft diameter trees - but not that high! I used climbers and a rope for a belt. We worked on telephone lines and saw one tree where someone had climbed about 75 to 100 ft to an insulator - story was smoke jumpers installed that one.

You can also use the wrist rocket to launch a string over the branch and pull up a rope and a climber.

Have fun, Clif W7ECS

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4272. Re: [tvnsp] Re: TV02F

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-17 17:20:08 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3904 Message: 4272

Randy, please send your photos to Mike so he can put them on the TVNSP webpage. I didn't realize until now that they were only sent to me.

Paul

4273. Re: [tvnsp] Re: TV02F

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-17 16:35:36 UTC
From: Randy Farley
Topic: 3904 Message: 4273

OK, i wanted your approval first. Hate to publicaly distribute photos until they are approved by the attendees. I will have to get them from home. tonight.
Actually I thought you could forward them from your school.

>>> verhap@... 09/17/02 10:20AM >>>
Randy, please send your photos to Mike so he can put them on the TVNSP webpage. I didn't realize until now that they were only sent to me.

Paul

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4274. Re: [tvnsp] Re: TV02F

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-17 17:54:15 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3904 Message: 4274

Ummm, I deleted them after looking at them.

Sorry,
Paul

> OK, i wanted your approval first. Hate to publicaly distribute photos until
> they are approved by the attendees. I will have to get them from home.
> tonight.
> Actually I thought you could forward them from your school.
>
>
> >>> verhap@... 09/17/02 10:20AM >>>
> Randy, please send your photos to Mike so he can put them on
> the TVNSP webpage. I didn't realize until now that they were only
> sent to me.
>
> Paul
>
>
> To unsubscribe from this group, send an email to:
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4275. An idea....

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-19 00:15:53 UTC
From: Tim Rynearson
Topic: 4275 Message: 4275
Attachments: 2 described; binary payloads are missing from this source WARC

For recovery of TV02F.....why not list it as a GeoCache ? For those of you not familiar with the sport of GeoCaching, it involves going out and looking for 'caches' that have been stashed at specified locations, signified by GPS coordinates, with various degrees of difficulty purposely planned into the placement. It is a sport that is VERY rapidly gaining momentum and I think that if TV02F were listed as a cache, it would be recovered quite quickly. On the difficulty rating, we'd probably have to list it as a five on a scale of one to five, and specify that the 'cache' be returned to the owner, rather than left for another 'cacher' to find, as is normally the case. Perhaps we could offer the 'recoverer' a t-shirt or some such. More information on the sport can be found at www.geocaching.com if anyone would like to look. There's also a feature on the website where a particular cache can be 'watched' and any and all comments entered concerning the cache are emailed to those watching the cache. If the group thinks this might be a good idea, let me know, and I'll get it listed on the website, since I'm already a member of geocaching.com

Tim, N7UBO

4276. Re: [tvnsp] An idea....

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-19 05:37:44 UTC
From: Jeff Melanson
Topic: 4275 Message: 4276

Tim,

What if someone attempts to recover it and get's hurt like
falling out of the 100 ft tree? Who is liable?

Jeff
KD7INN

4277. Re: [tvnsp] An idea....

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-19 12:26:13 UTC
From: Tim Rynearson
Topic: 4275 Message: 4277
Attachments: 2 described; binary payloads are missing from this source WARC

Jeff,
Geocaching is not an formal organization and participants realize that
they are individually responsible for their actions.

Tim

-------Original Message-------

From: tvnsp@yahoogroups.com
Date: Wednesday, September 18, 2002 11:08:14 PM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] An idea....

Tim,

What if someone attempts to recover it and get's hurt like
falling out of the 100 ft tree? Who is liable?

Jeff
KD7INN

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4278. Aurora

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-19 14:47:19 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4278 Message: 4278

There's a possible aurora tonight or tomorrow.

Paul

4279. Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-19 14:22:39 UTC
From: John Knapp
Topic: 4278 Message: 4279

A reminder of the TVNSP meeting Friday night at the Jade Garden in Nampa. I have the Banquet room reserved starting at 6:30pm. We can visit, discuss some business, and then have the APRS Class from Randy.

Business topics include the lost capsule, future meetings, next launch, and anything else we need to discuss.

Jeff, can you resend me the schedule again? My home PC hard drive took a dive and I lost it.

JohnK

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4280. Re: [tvnsp] An idea....

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-19 14:46:00 UTC
From: rfarley@woodgrain.com
Topic: 4275 Message: 4280
Attachments: 3 described; binary payloads are missing from this source WARC

Tim,Good Idea

I thought about that too,but wondered if it would be a liability
if someone tried to climb the tree and got hurt. In this day and age you gotta think "cya" all the time. Too many people out there not taking responsibilty for their own actions and then placing the blame on someone else if something goes wrong. I'm not a lawyer,so not sure what the right decision is here. Common sense tells me this would be a fun event for geocachers,but lawyers may see it differently.

Tim, do you have an example of the most difficult geocache to
find? Like maybe hanging a cache from a cliff precipice for mountain or rock climbers.

If nothing else,the capsule location does give one a fair exercise in terrain navigation.

regards

Randy

>>> n7ubo@... 09/18/02 06:15PM >>>

For recovery of TV02F.....why not list it as a GeoCache ? For those of you not familiar with the sport of GeoCaching, it involves going out and looking for 'caches' that have been stashed at specified locations, signified by GPS coordinates, with various degrees of difficulty purposely planned into the placement. It is a sport that is VERY rapidly gaining momentum and I think that if TV02F were listed as a cache, it would be recovered quite quickly. On the difficulty rating, we'd probably have to list it as a five on a scale of one to five, and specify that the 'cache' be returned to the owner, rather than left for another 'cacher' to find, as is normally the case. Perhaps we could offer the 'recoverer' a t-shirt or some such. More information on the sport can be found at www.geocaching.com if anyone would like to look. There's also a feature on the website where a particular cache can be 'watched' and any and all comments entered concerning the cache are emailed to those watching the cache. If the group thinks this might be a good idea, let me know, and I'll get it listed on the website, since I'm already a member of geocaching.com

Tim, N7UBO

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4281. Re: [tvnsp] Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-19 14:49:17 UTC
From: Randy Farley
Topic: 23 Message: 4281

My reminder has been reminded.

tnx,
Randy

>>> kd7hgs@... 09/19/02 08:22AM >>>
A reminder of the TVNSP meeting Friday night at the
Jade Garden in Nampa. I have the Banquet room reserved
starting at 6:30pm. We can visit, discuss some
business, and then have the APRS Class from Randy.

Business topics include the lost capsule, future
meetings, next launch, and anything else we need to
discuss.

Jeff, can you resend me the schedule again? My home PC
hard drive took a dive and I lost it.

JohnK

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4282. Re: [tvnsp] An idea....

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-19 15:08:48 UTC
From: Stephanie Steele
Topic: 4275 Message: 4282

I can't see any liability associated with this idea. This would not be a "sponsored activity" so anyone taking part would be doing so on their own volition.

Wish I could make the meeting on Friday to help come up with plan C

Stephanie

rfarley@... wrote:
> Tim,Good Idea
>
> I thought about that too,but wondered if it would be a liability
> if someone tried to climb the tree and got hurt. In this day and age you
> gotta think "cya" all the time. Too many people out there not taking
> responsibilty for their own actions and then placing the blame on
> someone else if something goes wrong. I'm not a lawyer,so not sure what
> the right decision is here. Common sense tells me this would be a fun
> event for geocachers,but lawyers may see it differently.
>
>
> Tim, do you have an example of the most difficult geocache to
> find? Like maybe hanging a cache from a cliff precipice for mountain or
> rock climbers.
>
> If nothing else,the capsule location does give one a fair exercise in
> terrain navigation.
>
> regards
>
> Randy
>
>
>
>
> >>> n7ubo@... 09/18/02 06:15PM >>>
> For recovery of TV02F.....why not list it as a GeoCache ? For those of
> you not familiar with the sport of GeoCaching, it involves going out and
> looking for 'caches' that have been stashed at specified locations,
> signified by GPS coordinates, with various degrees of difficulty
> purposely planned into the placement. It is a sport that is VERY rapidly
> gaining momentum and I think that if TV02F were listed as a cache, it
> would be recovered quite quickly. On the difficulty rating, we'd
> probably have to list it as a five on a scale of one to five, and
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> another 'cacher' to find, as is normally the case. Perhaps we could
> offer the 'recoverer' a t-shirt or some such. More information on the

> sport can be found at www.geocaching.com <http://www.geocaching.com> if
> anyone would like to look. There's also a feature on the website where a
> particular cache can be 'watched' and any and all comments entered
> concerning the cache are emailed to those watching the cache. If the
> group thinks this might be a good idea, let me know, and I'll get it
> listed on the website, since I'm already a member of geocaching.com
>
> Tim, N7UBO
>
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>
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--
Stephanie

****

Friends are quiet angels who lift us to our feet when our wings have
trouble remembering how to fly.

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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4283. Re: [tvnsp] An idea....

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-19 16:21:34 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4275 Message: 4283

Plan C is contacting the Forestry Servioce for suggestions.

Paul

> I can't see any liability associated with this idea. This would not be a
> "sponsored activity" so anyone taking part would be doing so on their
> own volition.
>
> Wish I could make the meeting on Friday to help come up with plan C
>
> Stephanie
>
>
>
> rfarley@... wrote:
> > Tim,Good Idea
> >
> > I thought about that too,but wondered if it would be a liability
> > if someone tried to climb the tree and got hurt. In this day and age you
> > gotta think "cya" all the time. Too many people out there not taking
> > responsibilty for their own actions and then placing the blame on
> > someone else if something goes wrong. I'm not a lawyer,so not sure what
> > the right decision is here. Common sense tells me this would be a fun
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> > Tim, do you have an example of the most difficult geocache to
> > find? Like maybe hanging a cache from a cliff precipice for mountain or
> > rock climbers.
> >
> > If nothing else,the capsule location does give one a fair exercise in
> > terrain navigation.
> >
> > regards
> >
> > Randy
> >
> >
> >
> >
> > >>> n7ubo@... 09/18/02 06:15PM >>>
> > For recovery of TV02F.....why not list it as a GeoCache ? For those of
> > you not familiar with the sport of GeoCaching, it involves going out and
> > looking for 'caches' that have been stashed at specified locations,
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> > purposely planned into the placement. It is a sport that is VERY rapidly
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> > offer the 'recoverer' a t-shirt or some such. More information on the
> > sport can be found at www.geocaching.com <http://www.geocaching.com> if
> > anyone would like to look. There's also a feature on the website where a
> > particular cache can be 'watched' and any and all comments entered
> > concerning the cache are emailed to those watching the cache. If the
> > group thinks this might be a good idea, let me know, and I'll get it
> > listed on the website, since I'm already a member of geocaching.com
> >
> > Tim, N7UBO
> >
> > _____
> > <http://www.incredimail.com/redir.asp?ad_id=309&lang=9> /IncrediMail/ -
> > *Email has finally evolved* - *_Click Here_*
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>
> --
> Stephanie
>
> ******************************
>
> Friends are quiet angels who lift us to our feet when our wings have
> trouble remembering how to fly.
>
> ******************************
>
> "They that can give up essential liberty to obtain a little temporary
> safety deserve neither liberty nor safety."
>
> Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.
>
> "Those who desire to give up freedom in order to gain security will not
> have, nor do they deserve, either one."
>
> President Thomas Jefferson.
> 1743-1826

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>

4284. Re: [tvnsp] An idea....

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-19 16:22:16 UTC
From: Stephanie Steele
Topic: 4275 Message: 4284

Plan C is a very bad idea. You don't want to tell them anything they
don't have to know. I assure you it will only complicate the matter and
will do nothing to solve the problem. Ever heard of an enviromental
impact statement.....?

Stephanie

verhap@... wrote:
> Plan C is contacting the Forestry Servioce for suggestions.
>
> Paul
>
>
>>I can't see any liability associated with this idea. This would not be a
>>"sponsored activity" so anyone taking part would be doing so on their
>>own volition.
>>
>>Wish I could make the meeting on Friday to help come up with plan C
>>
>>Stephanie
>>
>>
>>
>>rfarley@... wrote:
>>
>>>Tim,Good Idea
>>>
>>>I thought about that too,but wondered if it would be a liability
>>>if someone tried to climb the tree and got hurt. In this day and age you
>>>gotta think "cya" all the time. Too many people out there not taking
>>>responsibilty for their own actions and then placing the blame on
>>>someone else if something goes wrong. I'm not a lawyer,so not sure what
>>>the right decision is here. Common sense tells me this would be a fun
>>>event for geocachers,but lawyers may see it differently.
>>>
>>>
>>>Tim, do you have an example of the most difficult geocache to
>>>find? Like maybe hanging a cache from a cliff precipice for mountain or
>>>rock climbers.
>>>
>>>If nothing else,the capsule location does give one a fair exercise in
>>>terrain navigation.
>>>
>>>regards
>>>

>>>Randy
>>>
>>>
>>>
>>>
>>> >>> n7ubo@... 09/18/02 06:15PM >>>
>>>For recovery of TV02F.....why not list it as a GeoCache ? For those of
>>>you not familiar with the sport of GeoCaching, it involves going out and
>>>looking for 'caches' that have been stashed at specified locations,
>>>signified by GPS coordinates, with various degrees of difficulty
>>>purposely planned into the placement. It is a sport that is VERY rapidly
>>>gaining momentum and I think that if TV02F were listed as a cache, it
>>>would be recovered quite quickly. On the difficulty rating, we'd
>>>probably have to list it as a five on a scale of one to five, and
>>>specify that the 'cache' be returned to the owner, rather than left for
>>>another 'cacher' to find, as is normally the case. Perhaps we could
>>>offer the 'recoverer' a t-shirt or some such. More information on the
>>>sport can be found at www.geocaching.com <http://www.geocaching.com> if
>>>anyone would like to look. There's also a feature on the website where a
>>>particular cache can be 'watched' and any and all comments entered
>>>concerning the cache are emailed to those watching the cache. If the
>>>group thinks this might be a good idea, let me know, and I'll get it
>>>listed on the website, since I'm already a member of geocaching.com
>>>
>>>Tim, N7UBO
>>>
>>>_____
>>><http://www.incredimail.com/redir.asp?ad_id=309&lang=9> /IncrediMail/ -
>>>*Email has finally evolved* - *_Click Here_*
>>><http://www.incredimail.com/redir.asp?ad_id=309&lang=9>
>>>
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>>>
>>>
>>>
>>>Your use of Yahoo! Groups is subject to the Yahoo! Terms of Service
>>><http://docs.yahoo.com/info/terms/>.
>>
>>
>>--
>>Stephanie
>>
>>**********
>>
>>Friends are quiet angels who lift us to our feet when our wings have
>>trouble remembering how to fly.
>>
>>**********
>>

>>"They that can give up essential liberty to obtain a little temporary
>>safety deserve neither liberty nor safety."
>>
>>Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.
>>
>>"Those who desire to give up freedom in order to gain security will not
>>have, nor do they deserve, either one."
>>
>>President Thomas Jefferson.
>> 1743-1826
>>
>>*******************************
>>
>>Send and receive money safely over the Internet by using PayPal. I use
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>>
>>https://www.paypal.com/refer/pal=kc7dba%40arrl.net
>>
>>*******************************
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>>
>>de recta non tolerandum sunt
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Stephanie

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https://www.paypal.com/refer/pal=kc7dba%40arrl.net

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de recta non tolerandum sunt

4285. Re: [tvnsp] An idea....

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-19 17:29:39 UTC
From: Zack Clobes
Topic: 4275 Message: 4285

The only thing we've come up with down in Kansas is the possibility of renting a helicopter pilot and hover over the tree with some sort of hook (or you might get lucky and it'd blow out). I'm envisioning a long rope from the helicopter with a hook tied about 3/4 the way down the rope. Then, you could have a ground crew that could hold on to the free end of the rope and guide the hook into a shroud line.

Just make sure the rope handlers are wearing good gloves because I bet that rope would be bouncing around quite a bit.

Someone mentioned an RC helicopter, but I doubt that it'd have enough power to do a whole lot, and it would be pretty risky for the owner to be cruising around a big tree like that.

Zack Clobes, W0ZC
Project: Traveler
www.rckara.org/

----- Original Message -----
From: "Stephanie Steele" <stephanie@...>
To: <tvnsp@yahoogroups.com>
Sent: Thursday, September 19, 2002 10:08 AM
Subject: Re: [tvnsp] An idea....

> I can't see any liability associated with this idea. This would not be a
> "sponsored activity" so anyone taking part would be doing so on their
> own volition.
>
> Wish I could make the meeting on Friday to help come up with plan C
>
> Stephanie
>
>
>
> rfarley@... wrote:
> > Tim,Good Idea
> >
> > I thought about that too,but wondered if it would be a liability
> > if someone tried to climb the tree and got hurt. In this day and age you
> > gotta think "cya" all the time. Too many people out there not taking
> > responsibilty for their own actions and then placing the blame on
> > someone else if something goes wrong. I'm not a lawyer,so not sure what
> > the right decision is here. Common sense tells me this would be a fun
> > event for geocachers,but lawyers may see it differently.
> >
> >

> > Tim, do you have an example of the most difficult geocache to
> > find? Like maybe hanging a cache from a cliff precipice for mountain or
> > rock climbers.
> >
> > If nothing else,the capsule location does give one a fair exercise in
> > terrain navigation.
> >
> > regards
> >
> > Randy
> >
> >
> >
> >
> > >>> n7ubo@... 09/18/02 06:15PM >>>
> > For recovery of TV02F.....why not list it as a GeoCache ? For those of
> > you not familiar with the sport of GeoCaching, it involves going out and
> > looking for 'caches' that have been stashed at specified locations,
> > signified by GPS coordinates, with various degrees of difficulty
> > purposely planned into the placement. It is a sport that is VERY rapidly
> > gaining momentum and I think that if TV02F were listed as a cache, it
> > would be recovered quite quickly. On the difficulty rating, we'd
> > probably have to list it as a five on a scale of one to five, and
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> > another 'cacher' to find, as is normally the case. Perhaps we could
> > offer the 'recoverer' a t-shirt or some such. More information on the
> > sport can be found at www.geocaching.com <http://www.geocaching.com> if
> > anyone would like to look. There's also a feature on the website where a
> > particular cache can be 'watched' and any and all comments entered
> > concerning the cache are emailed to those watching the cache. If the
> > group thinks this might be a good idea, let me know, and I'll get it
> > listed on the website, since I'm already a member of geocaching.com
> >
> > Tim, N7UBO
> >
> > _____
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>
> --

> Stephanie
>
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4286. Re: [tvnsp] An idea....

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-19 19:54:32 UTC
From: Randy Farley
Topic: 4275 Message: 4286

That would probably do the job,but not real cost effective.

Jeff,how much would one cost since you are in aviation?

Of course we already have more dollars into this recovery
effort than the whole thing is worth, but it is for the cause of science and the fact it is still out there.

Maybe the Air National Guard needs a new training maneuver?

All good ideas so far.

regards
Randy

>>> zclobes@... 09/19/02 11:29AM >>>
The only thing we've come up with down in Kansas is the possibility of renting a helicopter pilot and hover over the tree with some sort of hook (or you might get lucky and it'd blow out). I'm envisioning a long rope from the helicopter with a hook tied about 3/4 the way down the rope. Then, you could have a ground crew that could hold on to the free end of the rope and guide the hook into a shroud line.

Just make sure the rope handlers are wearing good gloves because I bet that rope would be bouncing around quite a bit.

Someone mentioned an RC helicopter, but I doubt that it'd have enough power to do a whole lot, and it would be pretty risky for the owner to be cruising around a big tree like that.

Zack Clobes, W0ZC
Project: Traveler
www.rckara.org/

----- Original Message -----
From: "Stephanie Steele" <stephanie@...>
To: <tvnsp@yahoogroups.com>
Sent: Thursday, September 19, 2002 10:08 AM
Subject: Re: [tvnsp] An idea....

> I can't see any liability associated with this idea. This would not be a
> "sponsored activity" so anyone taking part would be doing so on their
> own volition.
>
> Wish I could make the meeting on Friday to help come up with plan C
>
> Stephanie
>

>
>
> rfarley@woodgrain.com wrote:
> > Tim,Good Idea
> >
> > I thought about that too,but wondered if it would be a liability
> > if someone tried to climb the tree and got hurt. In this day and age you
> > gotta think "cya" all the time. Too many people out there not taking
> > responsibilty for their own actions and then placing the blame on
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> > Tim, do you have an example of the most difficult geocache to
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> > If nothing else,the capsule location does give one a fair exercise in
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> > another 'cacher' to find, as is normally the case. Perhaps we could
> > offer the 'recoverer' a t-shirt or some such. More information on the
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> > anyone would like to look. There's also a feature on the website where a
> > particular cache can be 'watched' and any and all comments entered
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> > group thinks this might be a good idea, let me know, and I'll get it
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> > Tim, N7UBO
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4287. Re: [tvnsp] An idea....

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-19 23:34:37 UTC
From: Harry M
Topic: 4275 Message: 4287

I have an Ergo 30 RC heli with a .40 engine. This is one of the smaller ones and it cost $300, then I had to buy the receiver, gyro and servos, another $100 to $150. Then add $100 to $200 for the transmitter.

Estimated payload capacity is one pound.

Harry
KC5TRB

Jeff,how much would one cost since you are in aviation?

Of course we already have more dollars into this recovery
effort than the whole thing is worth, but it is for the cause of science and the fact it is still out there.

4288. Re: [tvnsp] An idea....

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-20 01:32:14 UTC
From: Jeff Melanson
Topic: 4275 Message: 4288

I did ask about a helicopter and it was something like 200 to 300 dollars per hour. Sometimes you can find helicopter rides like the one in Twin Falls that gives you a tour of the canyon but there's none around Pine that I know of. The cost of the capsule is between $250 and $300. It is not cost effective to recover this capsule no matter how it's done. The only motivation for recovery would be for an adventure. I like the geocache idea. Let's discuss this at Friday's meeting. Tim, can you be there? You would probably be the one heading up that adventure if we decide to go that route.

Jeff
KD7INN

4289. Re: [tvnsp] Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-20 01:41:29 UTC
From: Jeff Melanson
Topic: 23 Message: 4289

John,

There is nothing left on the schedule that is current except
the meeting dates. These dates were not yet assigned a
training topic.

Jeff
KD7INN

John Knapp wrote:
>
> A reminder of the TVNSP meeting Friday night at the
> Jade Garden in Nampa. I have the Banquet room reserved
> starting at 6:30pm. We can visit, discuss some
> business, and then have the APRS Class from Randy.
>
> Business topics include the lost capsule, future
> meetings, next launch, and anything else we need to
> discuss.
>
> Jeff, can you resend me the schedule again? My home PC
> hard drive took a dive and I lost it.
>
> JohnK
>
> _____
> Do You Yahoo!?
> Yahoo! Autos - Get free new car price quotes
> http://autos.yahoo.com
>
>
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4290. Re: [tvnsp] Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-20 02:52:58 UTC
From: John Knapp
Topic: 23 Message: 4290

Thanks, see you tomorrow. I will bring a calendar with
me.

JohnK
--- Jeff Melanson <kd7inn@...> wrote:
> John,
>
> There is nothing left on the schedule that is
> current except
> the meeting dates. These dates were not yet assigned
> a
> training topic.
>
> Jeff
> KD7INN
>
> John Knapp wrote:
> >
> > A reminder of the TVNSP meeting Friday night at
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> > Jade Garden in Nampa. I have the Banquet room
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> > business, and then have the APRS Class from Randy.
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> > Business topics include the lost capsule, future
> > meetings, next launch, and anything else we need
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> > discuss.
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> > Jeff, can you resend me the schedule again? My
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> > JohnK
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> > Yahoo! Autos - Get free new car price quotes
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Do You Yahoo!?
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http://autos.yahoo.com

4291. Re: [tvnsp] An idea....

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-20 03:47:51 UTC
From: Tim Rynearson
Topic: 4275 Message: 4291
Attachments: 2 described; binary payloads are missing from this source WARC

Jeff,
I'll try my best to be there...remind me of the time again ? And in the mean time, I invite all that are concerned about liability to check out the following (particularly the first bold print) : http://www.geocaching com/disclaimer.asp

Tim

-------Original Message-------

From: tvnsp@yahoogroups.com
Date: Thursday, September 19, 2002 07:02:29 PM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] An idea....

I did ask about a helicopter and it was something like 200 to 300 dollars per hour. Sometimes you can find helicopter rides like the one in Twin Falls that gives you a tour of the canyon but there's none around Pine that I know of. The cost of the capsule is between $250 and $300. It is not cost effective to recover this capsule no matter how it's done. The only motivation for recovery would be for an adventure. I like the geocache idea. Let's discuss this at Friday's meeting. Tim, can you be there? You would probably be the one heading up that adventure if we decide to go that route.

Jeff
KD7INN

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.

4292. Re: [tvnsp] An idea....

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-20 03:49:00 UTC
From: Tim Rynearson
Topic: 4275 Message: 4292
Attachments: 2 described; binary payloads are missing from this source WARC

never mind on the time reminder....I just saw it in another post....

-------Original Message-------

From: tvnsp@yahoogroups.com
Date: Thursday, September 19, 2002 07:02:29 PM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] An idea....

I did ask about a helicopter and it was something like 200
to 300 dollars per hour. Sometimes you can find helicopter
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the canyon but there's none around Pine that I know of. The
cost of the capsule is between $250 and $300. It is not cost
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The only motivation for recovery would be for an adventure.
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meeting. Tim, can you be there? You would probably be the
one heading up that adventure if we decide to go that route.

Jeff
KD7INN

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4293. Fwd: FW: Cheap GPS unit.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-20 04:07:56 UTC
From: Tony Barrett
Topic: 4293 Message: 4293

Hey Paul,

Here's a lead on some $19.99 GPS receivers. Looks like they will interface
nicely with your flight computer.

Best regards,

Tony

>From: "BARRETT,TONY (HP-Boise,ex1)" <tbarrett@...>
>To: "'tonybarrett@...'" <tonybarrett@...>
>Subject: FW: Cheap GPS unit.
>Date: Thu, 19 Sep 2002 17:38:41 -0400
>X-Mailer: Internet Mail Service (5.5.2655.55)
>
>
>
>-----Original Message-----
>From: BACA,TONY (HP-Boise,ex1)
>Sent: Thursday, September 19, 2002 3:25 PM
>To: BLOHM,BILL (HP-Boise,ex1); HERRMANN,BILL (HP-Boise,ex1); BARRETT,TONY
>(HP-Boise,ex1)
>Subject: Cheap GPS unit.
>
>I was poking around and found this item of interest:
>http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=1380809219
>As far as I can tell these would make great traker boxes. Add antenna, a
>tiny traker and battery (5v regulator) and it should good to go.
>
>Do either of you know of any issues with these gps, other than they are only
>8 channels?
>
>_____
> /ony

4294. Re: [tvnsp] An idea....

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-20 05:22:46 UTC
From: Bill Herrmann
Topic: 4275 Message: 4294

At 12:29 PM 9/19/02 -0500, you wrote:
>Someone mentioned an RC helicopter, but I doubt that it'd have enough power
>to do a whole lot, and it would be pretty risky for the owner to be cruising
>around a big tree like that.

That would be me - I was thinking more along the lines of snagging it and dragging it out or getting some line to it than actually lifting it free. Model helicopters just aren't going to have enough lift.

Guess we'll just have to wait for a good wind storm. There is, after all, a parachute attached. <g>

Bill

4295. Re: [tvnsp] An idea....

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-20 05:25:35 UTC
From: Bill Herrmann
Topic: 4275 Message: 4295

At 10:22 AM 9/19/02 -0600, you wrote:
>Plan C is a very bad idea. You don't want to tell them anything they
>don't have to know. I assure you it will only complicate the matter and
>will do nothing to solve the problem. Ever heard of an enviromental
>impact statement.....?

Hmmm, I happen to know at least one person that works for the forest service (in a different state no less) so I could ask him if he's got any ideas.

Bill

p.s. Not gonna be able to make the meeting tomorrow. I'll look for an update.

4296. Re: [tvnsp] Fwd: FW: Cheap GPS unit.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-20 12:20:39 UTC
From: Jeff Melanson
Topic: 4293 Message: 4296

Hmmm...

I wonder if it has an altitude limitation?

The current issue of QST has an article about how to build a
GPS antenna. Will this antenna work work with this GPS?

Jeff
KD7INN

Tony Barrett wrote:
>
> Hey Paul,
>
> Here's a lead on some $19.99 GPS receivers. Looks like they will interface
> nicely with your flight computer.
>
> Best regards,
>
> Tony
>
> >From: "BARRETT,TONY (HP-Boise,ex1)" <tbarrett@...>
> >To: "'tonybarrett@...'" <tonybarrett@...>
> >Subject: FW: Cheap GPS unit.
> >Date: Thu, 19 Sep 2002 17:38:41 -0400
> >X-Mailer: Internet Mail Service (5.5.2655.55)
> >
> >
> >
> >-----Original Message-----
> >From: BACA,TONY (HP-Boise,ex1)
> >Sent: Thursday, September 19, 2002 3:25 PM
> >To: BLOHM,BILL (HP-Boise,ex1); HERRMANN,BILL (HP-Boise,ex1); BARRETT,TONY
> >(HP-Boise,ex1)
> >Subject: Cheap GPS unit.
> >
> >I was poking around and found this item of interest:
> >http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=1380809219
> >As far as I can tell these would make great traker boxes. Add antenna, a
> >tiny traker and battery (5v regulator) and it should good to go.
> >
> >Do either of you know of any issues with these gps, other than they are only
> >8 channels?
> >
> >_____
> > /ony

>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

4297. Re: [tvnsp] Fwd: FW: Cheap GPS unit.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-20 14:43:05 UTC
From: Harry M
Topic: 4293 Message: 4297

They are limited to 60,000ft.
Here is the tech sheet... http://www.motorola.com/ies/GPS/pdfs/gt.pdf

Yes the antenna will work with it.

Harry
KC5TRB

>
> I wonder if it has an altitude limitation?
>
> The current issue of QST has an article about how to build a
> GPS antenna. Will this antenna work work with this GPS?
>

4298. (Fwd) Mr. Potato Head

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-20 14:47:41 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4298 Message: 4298

This is a message I got from the Dickinson County sheriff's office in Kansas. I'll be sending them a photograph taken from the capsule.

Paul

------- Forwarded Message Follows -------
From: "Dickinson Co. Sheriff" <sheriff@...>
To: "'verhap@...'" <verhap@...>
Copies to: 893 Lorraine Geist <Windows/Admin/LGEIST@...>
Subject: Mr. Potato Head
Date sent: Fri, 20 Sep 2002 08:41:24 -0500
Organization: Abilene, KS 67410

Paul,

We have Mr. Potato Head in custody at our Jail. He paracuted in and was taken into custody for Trespassing. Here are some photos of him taking a breath test, getting his mug photo taken, and in his cell. Our address is Dickinson County Sheriff, 109 East 1st, Abilene, KS 67410. Phone 785-263-4081.

Thanks Undersheriff Nachtman

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (http://www.grisoft.com).
Version: 6.0.374 / Virus Database: 209 - Release Date: 07/09/2002

4299. Mr. Potatohead

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-20 17:01:15 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4299 Message: 4299
Attachments: 6 described; binary payloads are missing from this source WARC

Here's some photos of Mr. Potatohead from the GPSL launch at the Sheriff's office.

Mike, can we get these on the webpage?

Paul

4300. Re: [tvnsp] Mr. Potatohead

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-20 16:12:13 UTC
From: Mike Garske
Topic: 4299 Message: 4300

Paul

I will get Andrea to get it on the website soon....I am going out of town today for a week, but I am sure she can get it done in the very near future. Also, I need a flight synopsis of TV02F to post to the website. We have the pics of the recovery mission, just need a small write up and final GPS coordinate.

Mike KC7DPD
www.tvnsp.org
----- Original Message -----
From: <verhap@...>
To: <tvnsp@yahoogroups.com>
Sent: Friday, September 20, 2002 11:01 AM
Subject: [tvnsp] Mr. Potatohead

> Here's some photos of Mr. Potatohead from the GPSL launch at
> the Sheriff's office.
>
> Mike, can we get these on the webpage?
>
> Paul
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>

> The following section of this message contains a file attachment
> prepared for transmission using the Internet MIME message format.
> If you are using Pegasus Mail, or any another MIME-compliant system,
> you should be able to save it or view it from within your mailer.
> If you cannot, please ask your system administrator for assistance.
>
> ---- File information -----------
> File: mrp1.jpg
> Date: 20 Sep 2002, 9:59
> Size: 47234 bytes.

> Type: JPEG-image
>

> The following section of this message contains a file attachment
> prepared for transmission using the Internet MIME message format.
> If you are using Pegasus Mail, or any another MIME-compliant system,
> you should be able to save it or view it from within your mailer.
> If you cannot, please ask your system administrator for assistance.
>
> ---- File information -----------
> File: mrp2.jpg
> Date: 20 Sep 2002, 9:59
> Size: 52676 bytes.
> Type: JPEG-image
>

> The following section of this message contains a file attachment
> prepared for transmission using the Internet MIME message format.
> If you are using Pegasus Mail, or any another MIME-compliant system,
> you should be able to save it or view it from within your mailer.
> If you cannot, please ask your system administrator for assistance.
>
> ---- File information -----------
> File: mrp3.jpg
> Date: 20 Sep 2002, 9:59
> Size: 52422 bytes.
> Type: JPEG-image
>

4301. Re: [tvnsp] An idea....

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-20 16:18:11 UTC
From: Doug Rich
Topic: 4275 Message: 4301

Try an arrow with a string attached shot though the parachute. Then just pull it down. 100 feet should not be too far for an arrow.

Doug W7DVR

4302. Moscow Visit

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-20 17:19:10 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3650 Message: 4302

I may be visiting moscow on Thursday and Friday, 3 and 4 October. Can anyone make those dates? I plan to visit with Dr. Atkinson and the Idaho Space Grant for a presnetation.

Paul

4303. Re: [tvnsp] Mr. Potatohead

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-20 17:19:57 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4299 Message: 4303

Okay, thanks. Have fun on your trip. I'll have graphs for you to
scan.

Paul

> Paul
>
> I will get Andrea to get it on the website soon....I am going out of
> town today for a week, but I am sure she can get it done in the very near
> future. Also, I need a flight synopsis of TV02F to post to the website. We
> have the pics of the recovery mission, just need a small write up and final
> GPS coordinate.
>
> Mike KC7DPD
> www.tvnsp.org
> ----- Original Message -----
> From: <verhap@...>
> To: <tvnsp@yahoogroups.com>
> Sent: Friday, September 20, 2002 11:01 AM
> Subject: [tvnsp] Mr. Potatohead
>
>
> > Here's some photos of Mr. Potatohead from the GPSL launch at
> > the Sheriff's office.
> >
> > Mike, can we get these on the webpage?
> >
> > Paul
> >
> >
> > To unsubscribe from this group, send an email to:
> > tvnsp-unsubscribe@egroups.com
> >
> >
> >
> > Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
> >
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>
> ---
> ----
>
>
> > The following section of this message contains a file attachment

> > prepared for transmission using the Internet MIME message format.
> > If you are using Pegasus Mail, or any another MIME-compliant system,
> > you should be able to save it or view it from within your mailer.
> > If you cannot, please ask your system administrator for assistance.
> >
> > ---- File information -----------
> > File: mrp1.jpg
> > Date: 20 Sep 2002, 9:59
> > Size: 47234 bytes.
> > Type: JPEG-image
> >
>
>
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> ----
>
>
> > The following section of this message contains a file attachment
> > prepared for transmission using the Internet MIME message format.
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> > If you cannot, please ask your system administrator for assistance.
> >
> > ---- File information -----------
> > File: mrp2.jpg
> > Date: 20 Sep 2002, 9:59
> > Size: 52676 bytes.
> > Type: JPEG-image
> >
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>
> --
> ----
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>
> > The following section of this message contains a file attachment
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> >
> > ---- File information -----------
> > File: mrp3.jpg
> > Date: 20 Sep 2002, 9:59
> > Size: 52422 bytes.
> > Type: JPEG-image
> >
>
>
>

>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>

4304. Re: [tvnsp] Mr. Potatohead

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-20 16:22:06 UTC
From: Mike Garske
Topic: 4299 Message: 4304

Paul,

If those graphs are Microsoft Word documents, just email them, we can get them on the website much easier that way....

Mike
www.tvnsp.org
----- Original Message -----
From: <verhap@...>
To: <tvnsp@yahoogroups.com>
Sent: Friday, September 20, 2002 11:19 AM
Subject: Re: [tvnsp] Mr. Potatohead

> Okay, thanks. Have fun on your trip. I'll have graphs for you to
> scan.
>
> Paul
>
> > Paul
> >
> > I will get Andrea to get it on the website soon....I am going out of
> > town today for a week, but I am sure she can get it done in the very
near
> > future. Also, I need a flight synopsis of TV02F to post to the website.
We
> > have the pics of the recovery mission, just need a small write up and
final
> > GPS coordinate.
> >
> > Mike KC7DPD
> > www.tvnsp.org
> > ----- Original Message -----
> > From: <verhap@...>
> > To: <tvnsp@yahoogroups.com>
> > Sent: Friday, September 20, 2002 11:01 AM
> > Subject: [tvnsp] Mr. Potatohead
> >
> >
> > > Here's some photos of Mr. Potatohead from the GPSL launch at
> > > the Sheriff's office.
> > >
> > > Mike, can we get these on the webpage?
> > >
> > > Paul
> > >
> > >

> > > To unsubscribe from this group, send an email to:
> > > tvnsp-unsubscribe@egroups.com
> > >
> > >
> > >
> > > Your use of Yahoo! Groups is subject to
http://docs.yahoo.com/info/terms/
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> >
> > > The following section of this message contains a file attachment
> > > prepared for transmission using the Internet MIME message format.
> > > If you are using Pegasus Mail, or any another MIME-compliant system,
> > > you should be able to save it or view it from within your mailer.
> > > If you cannot, please ask your system administrator for assistance.
> > >
> > > ---- File information -----------
> > > File: mrp1.jpg
> > > Date: 20 Sep 2002, 9:59
> > > Size: 47234 bytes.
> > > Type: JPEG-image
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> >
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> > > ---- File information -----------
> > > File: mrp2.jpg
> > > Date: 20 Sep 2002, 9:59
> > > Size: 52676 bytes.
> > > Type: JPEG-image
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> > ----
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> >
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> > >
> > > ---- File information -----------
> > > File: mrp3.jpg
> > > Date: 20 Sep 2002, 9:59
> > > Size: 52422 bytes.
> > > Type: JPEG-image
> > >
> >
> >
> >
> >
> > To unsubscribe from this group, send an email to:
> > tvnsp-unsubscribe@egroups.com
> >
> >
> >
> > Your use of Yahoo! Groups is subject to
http://docs.yahoo.com/info/terms/
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>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
>

4305. Re: [tvnsp] An idea....

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-20 17:23:13 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4275 Message: 4305

The foliage is dense enough and the ground so steep, that it would
be difficult.

> Try an arrow with a string attached shot though the parachute. Then just
> pull it down. 100 feet should not be too far for an arrow.
>
> Doug W7DVR

4306. Re: [tvnsp] Mr. Potatohead

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-20 17:26:33 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4299 Message: 4306

Unfortunately they're paper copies from Quatro Pro.

Paul

> Paul,
>
> If those graphs are Microsoft Word documents, just email them, we can get
> them on the website much easier that way....
>
> Mike
> www.tvnsp.org
> ----- Original Message -----
> From: <verhap@...>
> To: <tvnsp@yahoogroups.com>
> Sent: Friday, September 20, 2002 11:19 AM
> Subject: Re: [tvnsp] Mr. Potatohead
>
>
> > Okay, thanks. Have fun on your trip. I'll have graphs for you to
> > scan.
> >
> > Paul
> >
> > > Paul
> > >
> > > I will get Andrea to get it on the website soon....I am going out of
> > > town today for a week, but I am sure she can get it done in the very
> near
> > > future. Also, I need a flight synopsis of TV02F to post to the website.
> We
> > > have the pics of the recovery mission, just need a small write up and
> final
> > > GPS coordinate.
> > >
> > > Mike KC7DPD
> > > www.tvnsp.org
> > > ----- Original Message -----
> > > From: <verhap@...>
> > > To: <tvnsp@yahoogroups.com>
> > > Sent: Friday, September 20, 2002 11:01 AM
> > > Subject: [tvnsp] Mr. Potatohead
> > >
> > >
> > > > Here's some photos of Mr. Potatohead from the GPSL launch at
> > > > the Sheriff's office.

> > > >
> > > > Mike, can we get these on the webpage?
> > > >
> > > > Paul
> > > >
> > > >
> > > > To unsubscribe from this group, send an email to:
> > > > tvnsp-unsubscribe@egroups.com
> > > >
> > > >
> > > >
> > > > Your use of Yahoo! Groups is subject to
> http://docs.yahoo.com/info/terms/
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> > >
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> > > >
> > > > ---- File information -----------
> > > > File: mrp1.jpg
> > > > Date: 20 Sep 2002, 9:59
> > > > Size: 47234 bytes.
> > > > Type: JPEG-image
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> > >
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> > > > If you cannot, please ask your system administrator for assistance.
> > > >
> > > > ---- File information -----------

> > > > File: mrp2.jpg
> > > > Date: 20 Sep 2002, 9:59
> > > > Size: 52676 bytes.
> > > > Type: JPEG-image
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> > > >
> > > > The following section of this message contains a file attachment
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> > > > If you cannot, please ask your system administrator for assistance.
> > > > >
> > > > ---- File information -----------
> > > > File: mrp3.jpg
> > > > Date: 20 Sep 2002, 9:59
> > > > Size: 52422 bytes.
> > > > Type: JPEG-image
> > > > >
> > > >
> > > >
> > > >
> > > >
> > > > To unsubscribe from this group, send an email to:
> > > > tvnsp-unsubscribe@egroups.com
> > > >
> > > >
> > > >
> > > > Your use of Yahoo! Groups is subject to
> http://docs.yahoo.com/info/terms/
> > > >
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> > > To unsubscribe from this group, send an email to:
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> > > Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
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> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>

4307. Re: [tvnsp] Mr. Potatohead

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-20 16:37:49 UTC
From: Randy Farley
Topic: 4299 Message: 4307

Priceless

Those guys have a great sense of humor.

>>> verhap@...01.k12.id.us 09/20/02 10:01AM >>>
Here's some photos of Mr. Potatohead from the GPSL launch at
the Sheriff's office.

Mike, can we get these on the webpage?

Paul

To unsubscribe from this group, send an email to:
tvnsp-unsubscribe@egroups.com

Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

4308. RE: [tvnsp] (Fwd) Mr. Potato Head

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-20 17:22:54 UTC
From: Doug Eubanks
Topic: 4298 Message: 4308

OH NO! Do we need to take up a collection to bail
him out of the slammer?
-----Original Message-----
From: verhap@...
[mailto:verhap@...]
Sent: Friday, September 20, 2002 9:48 AM
To: tvnsp@yahoogroups.com
Subject: [tvnsp] (Fwd) Mr. Potato Head

This is a message I got from the Dickinson
County sheriff's office in
Kansas. I'll be sending them a photograph taken
from the capsule.

Paul

------- Forwarded Message Follows -------
From: "Dickinson Co. Sheriff"
<sheriff@...>
To:
"'verhap@...'"
<verhap@...>
Copies to: 893 Lorraine Geist
<Windows/Admin/LGEIST@...>
Subject: Mr. Potato Head
Date sent: Fri, 20 Sep 2002
08:41:24 -0500
Organization: Abilene, KS 67410

Paul,

We have Mr. Potato Head in custody at our Jail.
He paracuted in and was
taken into custody for Trespassing. Here are
some photos of him taking a
breath test, getting his mug photo taken, and in
his cell. Our address is
Dickinson County Sheriff, 109 East 1st, Abilene,
KS 67410. Phone
785-263-4081.

Thanks Undersheriff Nachtman

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system
(http://www.grisoft.com).

Version: 6.0.374 / Virus Database: 209 - Release
Date: 07/09/2002

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To unsubscribe from this group, send an email
to:
tvnsp-unsubscribe@egroups.com

Your use of Yahoo! Groups is subject to the
Yahoo! Terms of Service.

4309. Re: Fwd: FW: Cheap GPS unit.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-20 22:18:09 UTC
From: markwamsley
Topic: 4293 Message: 4309

Actually, that's not true. It says that they are limited to 60,000ft
at speeds GREATER than 1000 knots or 1150 mph (i.e. missile!).

Mark
KD7RHL

--- In tvnsp@y..., "Harry M" <harrymue@g...> wrote:
>
> They are limited to 60,000ft.
> Here is the tech sheet...
http://www.motorola.com/ies/GPS/pdfs/gt.pdf
>
> Yes the antenna will work with it.
>
> Harry
> KC5TRB
>
> >
> > I wonder if it has an altitude limitation?
> >
> > The current issue of QST has an article about how to build a
> > GPS antenna. Will this antenna work work with this GPS?
> >

4310. Re: [tvnsp] Mr. Potatohead

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-21 06:22:05 UTC
From: Tim Rynearson
Topic: 4299 Message: 4310
Attachments: 2 described; binary payloads are missing from this source WARC

Mike & Andrea,
I picked up copies of the graphs that I will scan to pdf format and post
to the files area of the group site. I should be able to get this done
tomorrow (Saturday).

Tim, N7UBO

-------Original Message-------

From: tvnsp@yahoogroups.com
Date: Friday, September 20, 2002 09:56:35 AM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] Mr. Potatohead

Unfortunately they're paper copies from Quatro Pro.

Paul

> Paul,
>
> If those graphs are Microsoft Word documents, just email them, we can get
> them on the website much easier that way....
>
> Mike
> www.tvnsp.org
> ----- Original Message -----
> From: <verhap@...>
> To: <tvnsp@yahoogroups.com>
> Sent: Friday, September 20, 2002 11:19 AM
> Subject: Re: [tvnsp] Mr. Potatohead
>
>
> > Okay, thanks. Have fun on your trip. I'll have graphs for you to
> > scan.
> >
> > Paul
> >
> > > Paul
> > >
> > > > I will get Andrea to get it on the website soon....I am going out of
> > > > town today for a week, but I am sure she can get it done in the very
> near
> > > > future. Also, I need a flight synopsis of TV02F to post to the website

> We
> > > have the pics of the recovery mission, just need a small write up and

> final
> > > GPS coordinate.
> > >
> > > Mike KC7DPD
> > > www.tvnsp.org
> > > ----- Original Message -----
> > > From: <verhap@...>
> > > To: <tvnsp@yahoogroups.com>
> > > Sent: Friday, September 20, 2002 11:01 AM
> > > Subject: [tvnsp] Mr. Potatohead
> > >
> > >
> > > > Here's some photos of Mr. Potatohead from the GPSL launch at
> > > > the Sheriff's office.
> > > >
> > > > Mike, can we get these on the webpage?
> > > >
> > > > Paul
> > > >
> > > >
> > > > To unsubscribe from this group, send an email to:
> > > > tvnsp-unsubscribe@egroups.com
> > > >
> > > >
> > > >
> > > > Your use of Yahoo! Groups is subject to
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> > > >
> > > > The following section of this message contains a file attachment
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> > > > If you cannot, please ask your system administrator for assistance.
> > > >
> > > > ---- File information -----------
> > > > File: mrp1.jpg
> > > > Date: 20 Sep 2002, 9:59
> > > > Size: 47234 bytes.
> > > > Type: JPEG-image
> > > >

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> > > > The following section of this message contains a file attachment
> > > > prepared for transmission using the Internet MIME message format.
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> > > > you should be able to save it or view it from within your mailer.
> > > > If you cannot, please ask your system administrator for assistance.
> > > >
> > > > ---- File information -----------
> > > > File: mrp2.jpg
> > > > Date: 20 Sep 2002, 9:59
> > > > Size: 52676 bytes.
> > > > Type: JPEG-image
> > > >
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> > > > The following section of this message contains a file attachment
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> > > > you should be able to save it or view it from within your mailer.
> > > > If you cannot, please ask your system administrator for assistance.
> > > >
> > > > ---- File information -----------
> > > > File: mrp3.jpg
> > > > Date: 20 Sep 2002, 9:59
> > > > Size: 52422 bytes.
> > > > Type: JPEG-image
> > > >
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> > >

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> > To unsubscribe from this group, send an email to:
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> To unsubscribe from this group, send an email to:
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>
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.

4311. Re: [tvnsp] Mr. Potatohead

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-21 06:42:11 UTC
From: Tim Rynearson
Topic: 4299 Message: 4311
Attachments: 2 described; binary payloads are missing from this source WARC

FYI....

Dickinson County, founded in 1857 lies along Interstate 70 in the third tier of counties from the northern border of Kansas. It has an area of 852 square miles and a population of 20,175. The county seat is located in Abilene. It's located just to the East of Salina, north of Wichita, and West of Topeka.
county map: http://www.dkcoks.com/images/dkmap4.gif
general location: http://www.dkcoks.com/images/Kansasmap.gif

trivial information, I'm sure.....
Tim, N7UBO

4312. Re: [tvnsp] Re: Fwd: FW: Cheap GPS unit.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-21 06:46:04 UTC
From: Tim Rynearson
Topic: 4293 Message: 4312
Attachments: 2 described; binary payloads are missing from this source WARC

Good point, Mark.....The Garmin GPS35 is spec'd the same, and we know from
experience that the 35 will do at least 120,000 feet at LESS than 1000 knots

Tim
N7UBO

-------Original Message-------

From: tvnsp@yahoogroups.com
Date: Friday, September 20, 2002 03:48:47 PM
To: tvnsp@yahoogroups.com
Subject: [tvnsp] Re: Fwd: FW: Cheap GPS unit.

Actually, that's not true. It says that they are limited to 60,000ft
at speeds GREATER than 1000 knots or 1150 mph (i.e. missile!).

Mark
KD7RHL

--- In tvnsp@y..., "Harry M" <harrymue@g...> wrote:
>
> They are limited to 60,000ft.
> Here is the tech sheet...
http://www.motorola.com/ies/GPS/pdfs/gt.pdf
>
> Yes the antenna will work with it.
>
> Harry
> KC5TRB
>
> >
> > I wonder if it has an altitude limitation?
> >
> > The current issue of QST has an article about how to build a
> > GPS antenna. Will this antenna work work with this GPS?
> >

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4313. Meeting Notes

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-21 16:13:54 UTC
From: John Knapp
Topic: 4299 Message: 4313

We have a very busy month in front of us. On Oct 19 we will do a launch with Vallivue High School. Mission control will be at the school. We will be teaching the students how to use Balloon Track, Liftwin, and predictions in general. On Nov 2 we will do another launch, this launch to use the 200 gram balloon, weather permitting. We are looking to include a Fox Hunt with this launch, one transmitter on APRS frequency, the second on some other frequency. More on that later.

Putting everything together the schedule looks like this:

Oct 4 - LiftWin and MIM. Vallivue students will be invited.
Oct 11 (date approximate). Meet with Vallivue students to go over flight predictions, etc.
Oct 18 - Preflight meeting
Oct 19 - Launch.
Nov 1 - Preflight meeting
Nov 2 - Launch
Nov 15 - Tiny Track and GPS
Nov 29 - No meeting, Thanksgiving week.
Dec 13 - GPS35. Presented by Tim R. This will be the 'In's and Out's of GPS35'.
Dec 27 - No meeting, Christmas week.

Mike, Can you do the GPS training on Nov 15?

I believe Jeff will be doing the Liftwin presentation. Correct me if I am wrong Jeff.

Some discussion was devoted to the capsule in the tree issue. It was decided not to go back in this fall, we will post it as a one time retrieval on a GeoCache and offer something in return for the capsule. I believe Tim was going to handle the posting of this. Tim, correct me if I am mistaken.

JohnK
KD7HGS

Do You Yahoo!?
Yahoo! Autos - Get free new car price quotes
http://autos.yahoo.com

4314. Re: [tvnsp] Re: Fwd: FW: Cheap GPS unit.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-23 14:11:04 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4293 Message: 4314

As I understand it, they are the Motorola VP OnCores. I've used
these GPS recievers without a problem. I have to purchase the
antenna seperately and build a power supply for them, however.

Paul

> Actually, that's not true. It says that they are limited to 60,000ft
> at speeds GREATER than 1000 knots or 1150 mph (i.e. missile!).
>
> Mark
> KD7RHL
>
> --- In tvnsp@y..., "Harry M" <harrymue@g...> wrote:
> >
> > They are limited to 60,000ft.
> > Here is the tech sheet...
> http://www.motorola.com/ies/GPS/pdfs/gt.pdf
> >
> > Yes the antenna will work with it.

4315. October Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-23 14:24:10 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4299 Message: 4315

Dr. Atkinson and a colleague plans to visit our next launch.

Paul

4316. Liftwin Request

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-23 14:39:11 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4299 Message: 4316

Jeff or John, can you run a Liftwin prediction for me? I need to know what it says if I use a 200 gram balloon to lift 1/2 pound of payload (includes parachute) with a total lift of 2 pounds (1.5 pounds positive lift or free lift). This would be a microtracker flight.

I need to know the volumne of helium, ascent rate, and predicted burst altitude.

Thanks,
Paul

4317. Lesson Plans

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-23 14:41:47 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4299 Message: 4317
Attachments: 4 described; binary payloads are missing from this source WARC

Primarily John and Jeff, but for others also.

Here's the first draft of the lesson plans I've drawn up for WBALTRAK and Liftwin. Please look them over. I'll need to know the specific screens that students will input data. Perhaps I could visit this week and go over this with one of you.

Paul

4318. Re: [tvnsp] Lesson Plans

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-23 13:45:24 UTC
From: John Knapp
Topic: 4299 Message: 4318

I am not sure of my schedule for the week yet, will
let you know when it is a good time to visit. I would
like to go over them with you.

JohnK
KD7HGS
--- verhap@... wrote:
> Primarily John and Jeff, but for others also.
>
> Here's the first draft of the lesson plans I've
> drawn up for
> WBALTRAK and Liftwin. Please look them over. I'll
> need to know
> the specific screens that students will input data.
> Perhaps I could
> visit this week and go over this with one of you.
>
> Paul
> > The following section of this message contains a
> file attachment
> prepared for transmission using the Internet MIME
> message format.
> If you are using Pegasus Mail, or any another
> MIME-compliant system,
> you should be able to save it or view it from within
> your mailer.
> If you cannot, please ask your system administrator
> for assistance.
>
> ---- File information -----------
> File: liftwin.doc
> Date: 22 Sep 2002, 16:00
> Size: 23040 bytes.
> Type: Unknown
>

> ATTACHMENT part 3 application/octet-stream
name=liftwin.doc; type=Unknown
> The following section of this message contains a
> file attachment
> prepared for transmission using the Internet MIME
> message format.
> If you are using Pegasus Mail, or any another
> MIME-compliant system,
> you should be able to save it or view it from within

> your mailer.
> If you cannot, please ask your system administrator
> for assistance.
>
> ---- File information -----------
> File: balltrak.doc
> Date: 22 Sep 2002, 15:59
> Size: 32256 bytes.
> Type: Unknown
>

> ATTACHMENT part 5 application/octet-stream
name=balltrak.doc; type=Unknown

_____
Do you Yahoo!?
New DSL Internet Access from SBC & Yahoo!
http://sbc.yahoo.com

4319. TV02F Flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-23 14:47:44 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4299 Message: 4319

Can anyone email me a screen print of the TV02F flight? I'll arrange to have color copies printed. I also updated the ascent rate graph. We had a minimum ascent rate of 1500 feet per minute with peaks around 2500 feet per minute. Next I'll run the data and relate ascent speed vs altitude so I can determine our best 10,000 foot ascent rate.

Paul

4320. Re: [tvnsp] Mr. Potatohead

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-23 15:09:28 UTC
From: Mark Conner
Topic: 4299 Message: 4320

To give everyone an idea of where the flights went, the GPSL launch was a few miles ENE of Herington (airport is just beyond the east border of the county) and Paul's capsule landed about 2 miles north of the town of Elmo. The flight path roughly followed Hwy 4.

Glad to see the sheriff's office has a great sense of humor.

- Mark

----- Original Message -----
From: Tim Rynearson
To: tvnsp@yahoogroups.com
Sent: Saturday, September 21, 2002 01:42
Subject: Re: [tvnsp] Mr. Potatohead

FYI....

Dickinson County, founded in 1857 lies along Interstate 70 in the third tier of counties from the northern border of Kansas. It has an area of 852 square miles and a population of 20,175. The county seat is located in Abilene. It's located just to the East of Salina, north of Wichita, and West of Topeka.
county map: http://www.dkcoks.com/images/dkmap4.gif
general location: http://www.dkcoks.com/images/Kansasmap.gif

trivial information, I'm sure.....
Tim, N7UBO

4321. Oh Oh! No 200 gram balloon available.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-24 01:33:59 UTC
From: Jeff Melanson
Topic: 4321 Message: 4321

Hi John the elder (and therefore wiser),

I tried to order the 200 gram balloon from Kaymont but they have none in stock and won't have any for 75 days. The military bought them all.

Jeff
KD7INN

4322. Re: [tvnsp] Liftwin Request

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-24 01:34:12 UTC
From: Jeff Melanson
Topic: 4299 Message: 4322

Balloon Diameter 4.1 ft 4.2 ft
Balloon Volume 36 cu ft 39 cu ft
Nozzle Lift 1.92 lbs 2.10 lbs
Peak Altitude 61 k ft 61 k ft
Ascent rate 1070 ft/min 1100 ft/min
Time to Burst 1 hr. .9 hrs
Free Lift 1.42 lbs 1.60 lbs

verhap@... wrote:
>
> Jeff or John, can you run a Liftwin prediction for me? I need to
> know what it says if I use a 200 gram balloon to lift 1/2 pound of
> payload (includes parachute) with a total lift of 2 pounds (1.5
> pounds positive lift or free lift). This would be a microtracker flight.
>
> I need to know the volumne of helium, ascent rate, and predicted
> burst altitude.
>
> Thanks,
> Paul
>
>
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>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

4323. Important warning about Liftwin

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-24 02:43:07 UTC
From: Hank
Topic: 4299 Message: 4323

> Balloon Diameter 4.1 ft 4.2 ft
> Balloon Volume 36 cu ft 39 cu ft
> Nozzle Lift 1.92 lbs 2.10 lbs
> Peak Altitude 61 k ft 61 k ft
> Ascent rate 1070 ft/min 1100 ft/min
> Time to Burst 1 hr. .9 hrs
> Free Lift 1.42 lbs 1.60 lbs

I've been out of state for about a week and out of
internet contact.

As a result of two TVNSP flights, it's certain that
200 gram and probably *other* small balloon (100 gram,
300 gram, etc.) LIFTWIN results are highly inaccurate due
to inaccurate manufacturer specs. The particular categories
that are not reliable are "peak altitude" and consequently
"time to burst." A result not related to deficient
manufacturer data but nonetheless lacking in precision
is ascent speed.

Yet another version of LIFTWIN designed to accomodate
the results demonstrated by TVNSP 200 gram flight data
is in process.

Until I have better figures and to illustrate the size of
the error, those 60k feet numbers should be revised to
something like 80k feet!

If I had a chance to see what was being done as far as
number crunching *before* the ill-fated Dog Creek Flight,
I would have advised that the peak height being relied
uponn for that flight was way too low and there was almost
a certainty that the payload would stray too far north
into National Forest Service land. Unfortunately the decision
to switch to a 200 gram balloon was made very late; too for me
to chime in.

This time at least I have a chance to warn that YOU CAN'T
RELY ON LIFTWIN for small balloon flights, at least to a high
degree of accuracy such as is required to just barely stay
out of a bad landing zone (such as forested NF land or mountanous).

These computer prediction tools must be used with some
prudence and judgment. Anyone who uses LIFTWIN and Balltrak
for "pinpoint" landings (landings that demand a high degree
of accuracy for staying out of difficult recovery zones) is not
using them wisely or properly.

My view is that Dog Creek was an example of
an improper launch. I think it's highly advisable that
TVNSP formulate a written set of procedures that will
indentify and quantify weather and terrain conditions that
would prohibit a launch whose chance of recovery is low or
nonexistent.

Hank

4324. Pine Payload Rescue

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-24 04:44:23 UTC
From: Russ Dunn
Topic: 4324 Message: 4324

We had the power go out this weekend at my house after somebody took out a utility pole. The Idaho Power lineman was an expert in climbing. He changed the fuse 25' in the air by standing on the ground and using a fiberglass nesting extension pole set with each section 4' long. When asked about the stranded payload near Pine. His suggestions were:

1. Call Idaho Power in Mountain Home and ask if anyone is interested in recovery.

2. Call a tree service in Mountain Home.

Young people can scamper up trees with more agility than those of us who are...uh-hum...maturing.

Russ

4325. Re: PC

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-24 14:11:22 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4325 Message: 4325

I made a suggestion that we sell the PCs for $50 each. Russ is
suggesting more. What is your input? Can we get together this
week to assemble some and test them?

Paul

> Wow, Paul that's really cheap. Are you sure you don't want to hold out for $100 for the Pentium & $50 for the 486? I mean it is a donation to a good cause. For marketing, you could say $90. But, it's your stuff now. Are you turning on each machine and testing it? For $50 each, one could
buy two and make at least one of them work.

> Russ, can you let them know we'll start selling them as so as we
> get a couple of them put together? We'll ask $50 for a system.
> >
> > I personally sold a 133 package for $50 each and they were sold for $100 & $200 prior to your receiving them. That's quite a range. Hope that helps you a little bit.

4326. Re: [tvnsp] Oh Oh! No 200 gram balloon available.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-24 14:15:19 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4321 Message: 4326

Gee, with 200 gram balloons they could only get wind profiles for
small regions the size of, say... Iraq.

Paul

> Hi John the elder (and therefore wiser),
>
> I tried to order the 200 gram balloon from Kaymont but they
> have none in stock and won't have any for 75 days. The
> military bought them all.
>
> Jeff
> KD7INN
>
>
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4327. Re: [tvnsp] Liftwin Request

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-24 14:22:46 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4299 Message: 4327

Thanks Jeff.
That's about 9000 feet below Kaymont's prediction. I'll manually
calculate a prediction based on the balloon's volume doubling every
18,000 feet (in the standard atmosphere, pressure drops by a
factor of two every 18,000 feet). While this doesn't account for the
pressure on the gas exerted by the balloon, it will at least give me
an idea of where the errors are.

Paul

>
> Balloon Diameter 4.1 ft 4.2 ft
> Balloon Volume 36 cu ft 39 cu ft
> Nozzle Lift 1.92 lbs 2.10 lbs
> Peak Altitude 61 k ft 61 k ft
> Ascent rate 1070 ft/min 1100 ft/min
> Time to Burst 1 hr. .9 hrs
> Free Lift 1.42 lbs 1.60 lbs
>
> verhap@... wrote:
> >
> > Jeff or John, can you run a Liftwin prediction for me? I need to
> > know what it says if I use a 200 gram balloon to lift 1/2 pound of
> > payload (includes parachute) with a total lift of 2 pounds (1.5
> > pounds positive lift or free lift). This would be a microtracker flight.
> >
> > I need to know the volumne of helium, ascent rate, and predicted
> > burst altitude.
> >
> > Thanks,
> > Paul
> >
> >
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>

4328. Tiny Trak and MIM

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-24 14:55:52 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4328 Message: 4328

I've finally finished the MIM and Tiny Trak sections of my book. I've built the test boards for them, but need to test the final versions. Is anyone interested in getting a PCB and directions to make the Tiny Trak and MIM a little more near space friendly?

It's best if you have either a MIM or Tiny Trak II that you have not put together (or soldered to, in the case of the MIM). Along with controlling power to the MIM or TTII, my PCBs also provides power for a GPS35 (I'll include directions on interfacing the GPS35). In the case of the MIM, the PCB also makes interfacing sensors easier.

I'll be making a few copies of each board in a test run. If you'd like a copy, please reply back to me in email. I'm asking $5 to offset my costs.

I already have Harry down for a Tiny Trak PCB.

Thanks for your time,
Paul

4329. GPSL Photograph

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-24 15:16:50 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4329 Message: 4329

I just received word from Sky and Telescope. They plan to put the high altitude photograph from the TVNSP capsule in their Jan 2003 issue, in the Gallery section. The photograph is the one on Mark's website.

Paul

4330. Re: [tvnsp] Tiny Trak and MIM

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-24 14:34:54 UTC
From: Stephanie Steele
Topic: 4328 Message: 4330

I'd like one.

Stephanie

verhap@... wrote:
> I've finally finished the MIM and Tiny Trak sections of my book. I've
> built the test boards for them, but need to test the final versions. Is
> anyone interested in getting a PCB and directions to make the Tiny
> Trak and MIM a little more near space friendly?
>
> It's best if you have either a MIM or Tiny Trak II that you have not
> put together (or soldered to, in the case of the MIM). Along with
> controlling power to the MIM or TTII, my PCBs also provides power
> for a GPS35 (I'll include directions on interfacing the GPS35). In
> the case of the MIM, the PCB also makes interfacing sensors
> easier.
>
> I'll be making a few copies of each board in a test run. If you'd like
> a copy, please reply back to me in email. I'm asking $5 to offset
> my costs.
>
> I already have Harry down for a Tiny Trak PCB.
>
> Thanks for your time,
> Paul
>
>
> To unsubscribe from this group, send an email to:
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>
>
>
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>
>
>
>

--
Stephanie

****

Friends are quiet angels who lift us to our feet when our wings have
trouble remembering how to fly.

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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de recta non tolerandum sunt

4331. Re: Tiny Trak and MIM

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-24 14:50:53 UTC
From: Justin Formolo
Topic: 4328 Message: 4331

I have a question about the TT and MIM. Do both perform the same functions? Is the MIM just a reduced version (smaller components, smaller traces, etc) than the TinyTrak? Is there any reliability issues with each? Thanks

Justin

4332. Re: [tvnsp] Oh Oh! No 200 gram balloon available.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-24 14:56:58 UTC
From: John Knapp
Topic: 4321 Message: 4332

Paul, do we want to try the 100 gram balloon, or 300
gram??

JohnK
--- verhap@... wrote:
> Gee, with 200 gram balloons they could only get wind
> profiles for
> small regions the size of, say... Iraq.
>
> Paul
>
> > Hi John the elder (and therefore wiser),
> >
> > I tried to order the 200 gram balloon from Kaymont
> but they
> > have none in stock and won't have any for 75 days.
> The
> > military bought them all.
> >
> > Jeff
> > KD7INN
> >
> >
> > To unsubscribe from this group, send an email to:
> > tvnsp-unsubscribe@egroups.com
> >
> >
> >
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>

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http://sbc.yahoo.com

4333. Re: [tvnsp] Re: PC

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-24 14:58:48 UTC
From: John Knapp
Topic: 4325 Message: 4333

I would be available to help clean, assemble and test
some PC's.

JohnK

--- verhap@... wrote:
> I made a suggestion that we sell the PCs for $50
> each. Russ is
> suggesting more. What is your input? Can we get
> together this
> week to assemble some and test them?
>
> Paul
>
> > Wow, Paul that's really cheap. Are you sure you
> don't want to hold out for $100 for the Pentium &
> $50 for the 486? I mean it is a donation to a good
> cause. For marketing, you could say $90. But, it's
> your stuff now. Are you turning on each machine and
> testing it? For $50 each, one could
> buy two and make at least one of them work.
>
> > Russ, can you let them know we'll start selling
> them as so as we
> > get a couple of them put together? We'll ask
> $50 for a system.
> > >
> > > I personally sold a 133 package for $50 each
> and they were sold for $100 & $200 prior to your
> receiving them. That's quite a range. Hope that
> helps you a little bit.
>
>

Do you Yahoo!?
New DSL Internet Access from SBC & Yahoo!
http://sbc.yahoo.com

4334. Re: [tvnsp] Re: PC

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-24 15:31:03 UTC
From: Stephanie Steele
Topic: 4325 Message: 4334

My .02

This is the current going rate for used systems:

Pentium II 400+ class (100 mhz bus) $175
Pentium II 266-366 class (66 mhz bus) $110
Pentium class 200-233 Mhz $25
Pentium class below 200 Mhz $10
486 or below, Does your boat need an achor?

Stephanie

John Knapp wrote:
> I would be available to help clean, assemble and test
> some PC's.
>
> JohnK
>
> --- verhap@... wrote:
>
>>I made a suggestion that we sell the PCs for $50
>>each. Russ is
>>suggesting more. What is your input? Can we get
>>together this
>>week to assemble some and test them?
>>
>>Paul
>>
>>
>>>Wow, Paul that's really cheap. Are you sure you
>>
>>don't want to hold out for $100 for the Pentium &
>>$50 for the 486? I mean it is a donation to a good
>>cause. For marketing, you could say $90. But, it's
>>your stuff now. Are you turning on each machine and
>>testing it? For $50 each, one could
>>buy two and make at least one of them work.
>>
>>
>>> Russ, can you let them know we'll start selling
>>
>>them as so as we
>>
>>> get a couple of them put together? We'll ask
>>
>>$50 for a system.

>>
>>> >
>>> > I personally sold a 133 package for $50 each
>>
>>and they were sold for $100 & $200 prior to your
>>receiving them. That's quite a range. Hope that
>>helps you a little bit.
>>
>>
>
>
>
> _____
> Do you Yahoo!?
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>

--
Stephanie

****

Friends are quiet angels who lift us to our feet when our wings have
trouble remembering how to fly.

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

Send and receive money safely over the Internet by using PayPal. I use it and highly recommend it as a safe and reliable means to conduct business. By using the link below we both will receive a $5 sign up bonus.

https://www.paypal.com/refer/pal=kc7dba%40arrl.net

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4335. Re: [tvnsp] Tiny Trak and MIM

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-24 16:52:24 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4328 Message: 4335

Which one?
Paul

> I'd like one.
>
> Stephanie
>
>
>
> verhap@... wrote:
> > I've finally finished the MIM and Tiny Trak sections of my book. I've
> > built the test boards for them, but need to test the final versions. Is
> > anyone interested in getting a PCB and directions to make the Tiny
> > Trak and MIM a little more near space friendly?
> >
> > It's best if you have either a MIM or Tiny Trak II that you have not
> > put together (or soldered to, in the case of the MIM). Along with
> > controlling power to the MIM or TTII, my PCBs also provides power
> > for a GPS35 (I'll include directions on interfacing the GPS35). In
> > the case of the MIM, the PCB also makes interfacing sensors
> > easier.
> >
> > I'll be making a few copies of each board in a test run. If you'd like
> > a copy, please reply back to me in email. I'm asking $5 to offset
> > my costs.
> >
> > I already have Harry down for a Tiny Trak PCB.
> >
> > Thanks for your time,
> > Paul
> >
> >
> > To unsubscribe from this group, send an email to:
> > tvnsp-unsubscribe@egroups.com
> >
> >
> >
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>
>
> --

> Stephanie
>
> ********************************
>
> Friends are quiet angels who lift us to our feet when our wings have
> trouble remembering how to fly.
>
> ********************************
>
> "They that can give up essential liberty to obtain a little temporary
> safety deserve neither liberty nor safety."
>
> Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.
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> "Those who desire to give up freedom in order to gain security will not
> have, nor do they deserve, either one."
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> President Thomas Jefferson.
> 1743-1826
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> ********************************
>
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> it and highly recommend it as a safe and reliable means to conduct
> business. By using the link below we both will receive a $5 sign up bonus.
>
> https://www.paypal.com/refer/pal=kc7dba%40arrl.net
>
> ********************************
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>

4336. Re: [tvnsp] Re: Tiny Trak and MIM

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-24 16:55:50 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4328 Message: 4336

The MIM sends entire GPS sentences (you select which one). The
TT only sends a posit, which doesn't conatin as much data. Also,
the MIM will send five analog voltage levels and 8 digital values.
The MIM is much more like a flight computer, whereas the TT is
just a tracker. I haven't run either one enough to know if there's
any other issues.

Paul

> I have a question about the TT and MIM. Do both perform the same
> functions? Is the MIM just a reduced version (smaller components,
> smaller traces, etc) than the TinyTrak? Is there any reliability
> issues with each? Thanks
>
> Justin
>
>
>
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> tvnsp-unsubscribe@egroups.com
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4337. Re: [tvnsp] Oh Oh! No 200 gram balloon available.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-24 16:57:49 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4321 Message: 4337

Bigger is better, try for a 300 gram balloon.
Paul

> Paul, do we want to try the 100 gram balloon, or 300
> gram??
>
> JohnK
> --- verhap@... wrote:
> > Gee, with 200 gram balloons they could only get wind
> > profiles for
> > small regions the size of, say... Iraq.
> >
> > Paul
> >
> > > Hi John the elder (and therefore wiser),
> > >
> > > I tried to order the 200 gram balloon from Kaymont
> > but they
> > > have none in stock and won't have any for 75 days.
> > The
> > > military bought them all.
> > >
> > > Jeff
> > > KD7INN
> > >
> > >
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> ---
> Do you Yahoo!?
> New DSL Internet Access from SBC & Yahoo!
> http://sbc.yahoo.com
>

>
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>

4338. (Fwd) Astronaut

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-24 19:41:15 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4338 Message: 4338

From the Boise Astronomical Society.....

Alan Bean, the fourth astronaut to walk on the moon will be speaking at the Capital High Auditorium on Wednesday October 2. NASA will also have displays of a space suit, moon rocks and meteors.
Tickets are available through Select-A-Seat. Tickets are $10.00 for adults and $7.50 for students.
BAS will also have a table with our tri-folds, applications and some give away items.

I'm looking into having TVNSP set up a display.

Paul

4339. Re: [tvnsp] Tiny Trak and MIM

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-24 18:42:43 UTC
From: Randy Farley
Topic: 4328 Message: 4339

I will take one Paul.

>>> verhap@... 09/24/02 07:55AM >>>
I've finally finished the MIM and Tiny Trak sections of my book. I've built the test boards for them, but need to test the final versions. Is anyone interested in getting a PCB and directions to make the Tiny Trak and MIM a little more near space friendly?

It's best if you have either a MIM or Tiny Trak II that you have not put together (or soldered to, in the case of the MIM). Along with controlling power to the MIM or TTII, my PCBs also provides power for a GPS35 (I'll include directions on interfacing the GPS35). In the case of the MIM, the PCB also makes interfacing sensors easier.

I'll be making a few copies of each board in a test run. If you'd like a copy, please reply back to me in email. I'm asking $5 to offset my costs.

I already have Harry down for a Tiny Trak PCB.

Thanks for your time,
Paul

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4340. Re: [tvnsp] Tiny Trak and MIM

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-24 18:47:28 UTC
From: Randy Farley
Topic: 4328 Message: 4340

OOp's, I want the MIM.

>>> verhap@... 09/24/02 07:55AM >>>
I've finally finished the MIM and Tiny Trak sections of my book. I've built the test boards for them, but need to test the final versions. Is anyone interested in getting a PCB and directions to make the Tiny Trak and MIM a little more near space friendly?

It's best if you have either a MIM or Tiny Trak II that you have not put together (or soldered to, in the case of the MIM). Along with controlling power to the MIM or TTII, my PCBs also provides power for a GPS35 (I'll include directions on interfacing the GPS35). In the case of the MIM, the PCB also makes interfacing sensors easier.

I'll be making a few copies of each board in a test run. If you'd like a copy, please reply back to me in email. I'm asking $5 to offset my costs.

I already have Harry down for a Tiny Trak PCB.

Thanks for your time,
Paul

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4341. Re: [tvnsp] Tiny Trak and MIM

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-24 19:50:22 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4328 Message: 4341

Which one?
Paul

> I will take one Paul.
>
> >>> verhap@... 09/24/02 07:55AM >>>
> I've finally finished the MIM and Tiny Trak sections of my book. I've
> built the test boards for them, but need to test the final versions. Is
> anyone interested in getting a PCB and directions to make the Tiny
> Trak and MIM a little more near space friendly?
>
> It's best if you have either a MIM or Tiny Trak II that you have not
> put together (or soldered to, in the case of the MIM). Along with
> controlling power to the MIM or TTII, my PCBs also provides power
> for a GPS35 (I'll include directions on interfacing the GPS35). In
> the case of the MIM, the PCB also makes interfacing sensors
> easier.
>
> I'll be making a few copies of each board in a test run. If you'd like
> a copy, please reply back to me in email. I'm asking $5 to offset
> my costs.
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> I already have Harry down for a Tiny Trak PCB.
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> Thanks for your time,
> Paul
>
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4342. TV02F Record

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-24 21:45:14 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4342 Message: 4342

Between 30,000 and 40,000 feet, the TV02F capsule had as it's slowest ascent, 1625 feet/min. This shows up as a single down-pointing spike in the ascent speed graph. At about 42,000 feet, the capsule was ascending at 2350 feet/minute.

I send the results of my spread sheet analysis to Ralph Wallio.

Paul

4343. Russ and Lesson Plan

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-24 22:08:07 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4343 Message: 4343

Russ, I got your messages last night. After I got back from the gym and had dinner, it was too late for me to go out. If you find info on these kinds of presentation, please let us know.

Everyone, please check over the lesson plans.

Paul

4344. Recovery Operation

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-25 03:13:10 UTC
From: Tony Barrett
Topic: 4344 Message: 4344

Hello TVNSP,

I ran into David Ritzenthaler today and told him about the latest adventure. David said he'd been too busy to keep up with the e-mail. When I told him the capsule was still stuck way up in a tree David got very excited. Turns out he has a lot of experience climbing trees like this. He has the equipment too.

David said he was looking for an adventure for this weekend and rescuing this package sounded perfect. He sounded ready to head for the hills that very moment.

Anyway, David asked me to send a message to the group requesting the details. If anyone wants to take David up on his offer to attempt a tall-tree near-space-capsule rescue, please contact him at the e-mail address above with details.

Good luck, and be safe!

73,

Tony - N7MTZ

4345. Re: [tvnsp] Recovery Operation

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-25 03:28:12 UTC
From: Stephanie Steele
Topic: 4344 Message: 4345

Kudos to David for his offer to help with this. I would think that Jeff would be thrilled to get his equipment back. I believe that, along with Randy Farley's new bow arrangement, this offers the group's last/best chance to rescue the capsule this year. I understand that the gate that allows vehicular travel within a 'short' hop of the landing site will be closed on October 1 so there is no time like the present to make this happen. I only wish I was off work this weekend so I could help in some way.

Stephanie

Tony Barrett wrote:
> Hello TVNSP,
>
> I ran into David Ritzenthaler today and told him about the latest
> adventure. David said he'd been too busy to keep up with the e-mail. When
> I told him the capsule was still stuck way up in a tree David got very
> excited. Turns out he has a lot of experience climbing trees like
> this. He has the equipment too.
>
> David said he was looking for an adventure for this weekend and rescuing
> this package sounded perfect. He sounded ready to head for the hills that
> very moment.
>
> Anyway, David asked me to send a message to the group requesting the
> details. If anyone wants to take David up on his offer to attempt a
> tall-tree near-space-capsule rescue, please contact him at the e-mail
> address above with details.
>
> Good luck, and be safe!
>
> 73,
>
> Tony - N7MTZ
>
>
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>

--
Stephanie

****

Friends are quiet angels who lift us to our feet when our wings have
trouble remembering how to fly.

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

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it and highly recommend it as a safe and reliable means to conduct
business. By using the link below we both will receive a $5 sign up bonus.

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copying or the taking of any action based upon the information contained in
this message is strictly prohibited.

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4346. Re: [tvnsp] Recovery Operation

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-25 03:38:10 UTC
From: Tony Barrett
Topic: 4344 Message: 4346
Attachments: 2 described; binary payloads are missing from this source WARC

Maybe Randy's bow shoots a line up or over so David can pull up a climbing rope.

At 09:28 PM 9/24/02 -0600, you wrote:
>Kudos to David for his offer to help with this. I would think that Jeff
>would be thrilled to get his equipment back. I believe that, along with
>Randy Farley's new bow arrangement, this offers the group's last/best
>chance to rescue the capsule this year. I understand that the gate that
>allows vehicular travel within a 'short' hop of the landing site will be
>closed on October 1 so there is no time like the present to make this
>happen. I only wish I was off work this weekend so I could help in some way.
>
>Stephanie
>
>
>Tony Barrett wrote:
> > Hello TVNSP,
> >
> > I ran into David Ritzenthaler today and told him about the latest
> > adventure. David said he'd been too busy to keep up with the
> e-mail. When
> > I told him the capsule was still stuck way up in a tree David got very
> > excited. Turns out he has a lot of experience climbing trees like
> > this. He has the equipment too.
> >
> > David said he was looking for an adventure for this weekend and rescuing
> > this package sounded perfect. He sounded ready to head for the hills that
> > very moment.
> >
> > Anyway, David asked me to send a message to the group requesting the
> > details. If anyone wants to take David up on his offer to attempt a
> > tall-tree near-space-capsule rescue, please contact him at the e-mail
> > address above with details.
> >
> > Good luck, and be safe!
> >
> > 73,
> >
> > Tony - N7MTZ
> >
> >
> >
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> >
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>
>--
>Stephanie
>
>*******************************
>
>Friends are quiet angels who lift us to our feet when our wings have
>trouble remembering how to fly.
>
>*******************************
>
>"They that can give up essential liberty to obtain a little temporary
>safety deserve neither liberty nor safety."
>
>Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.
>
>"Those who desire to give up freedom in order to gain security will not
>have, nor do they deserve, either one."
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>President Thomas Jefferson.
> 1743-1826
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>*******************************
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>business. By using the link below we both will receive a $5 sign up bonus.
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><https://www.paypal.com/refer/pal=kc7dba%40arrl.net>https://www.paypal.com/refer/pal=kc7d
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4347. Bioenergy 2002 Conference - Boise ID

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-25 04:00:02 UTC
From: Russ Dunn
Topic: 4347 Message: 4347

This is the email to which Paul referred. There was hesitation in sending it to the group until I found out the cost. It's a mere $175/person registration fee. Monday night was underwritten by my employer and thus open to the public. 20% of the speakers are international. The last day is tomorrow. A copy of the seminar presentations may become available on CD-ROM.

Simplot Transportation operated a Kenworth 200,000 miles hauling raw potatoes on a 50/50 blend of used canola oil (french fryer waste) and diesel fuel. The experiment was funded by the US Department of Energy and local businesses. It was on display at the Idaho State Fair 4 years ago. Paul Mann oversaw the canola production and today continues to manage the ethanol plants at the Caldwell and Heyburn. Ethanol is manufactured from waste products of potato processing.

Russ (eat more French fries) Dunn
N7SMA

To: All Treasure Valley Simplot Employees

Bioenergy 2002 will be held next week at the Grove Hotel. There will be over 200 papers presented during the technical sessions on many aspects of alternative forms of energy.

On Monday evening (September 23) from 6:30 until 9:00 the J. R. Simplot Company is sponsoring Citizen's Night. During this time the posters and exhibits will be open to the public. Exhibitors at the trade show will demonstrate and present up-to-date information on technology, research and development, commercial projects and applications, and alternative fuels vehicles with be showcased.

There will also be poster presentations high-lighting new ideas and concepts in alternative energies.

During the evening there will be presentations for the public on digestion, gasification, and bio-fuels.

Citizen's Night would be informative and educational for junior and senior high school students and their parents.

Thanks,

Paul Mann
208-454-4571
----- Original Message -----
From: verhap@...
To: tvnsp@yahoogroups.com
Sent: Tuesday, September 24, 2002 4:08 PM
Subject: [tvnsp] Russ and Lesson Plan

Russ, I got your messages last night. After I got back from the
gym and had dinner, it was too late for me to go out. If you find

info on these kinds of presentation, please let us know.

Paul

4348. Re: [tvnsp] Tiny Trak and MIM

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-25 08:27:42 UTC
From: Stephanie Steele
Topic: 4328 Message: 4348

MIM Please.

Stephanie

verhap@... wrote:
> Which one?
> Paul
>
>
>>I will take one Paul.
>>
>>
>>>>>>verhap@... 09/24/02 07:55AM >>>
>>>>
>>I've finally finished the MIM and Tiny Trak sections of my book. I've
>>built the test boards for them, but need to test the final versions. Is
>>anyone interested in getting a PCB and directions to make the Tiny
>>Trak and MIM a little more near space friendly?
>>
>>It's best if you have either a MIM or Tiny Trak II that you have not
>>put together (or soldered to, in the case of the MIM). Along with
>>controlling power to the MIM or TTII, my PCBs also provides power
>>for a GPS35 (I'll include directions on interfacing the GPS35). In
>>the case of the MIM, the PCB also makes interfacing sensors
>>easier.
>>
>>I'll be making a few copies of each board in a test run. If you'd like
>>a copy, please reply back to me in email. I'm asking $5 to offset
>>my costs.
>>
>>I already have Harry down for a Tiny Trak PCB.
>>
>>Thanks for your time,
>>Paul
>>
>>
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>>tvnsp-unsubscribe@egroups.com
>>
>>
>>
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> tvnsp-unsubscribe@egroups.com
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>
>

--
Stephanie

****

Friends are quiet angels who lift us to our feet when our wings have
trouble remembering how to fly.

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

Send and receive money safely over the Internet by using PayPal. I use
it and highly recommend it as a safe and reliable means to conduct
business. By using the link below we both will receive a $5 sign up bonus.

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****

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de recta non tolerandum sunt

4349. 200 Gram Balloon

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-25 12:30:11 UTC
From: Jeff Melanson
Topic: 4349 Message: 4349

John the elder,

You asked me to purchase a 200 gram balloon but Kaymont has none. There was some talk of other sizes or going with Kaysam. I think we have a problem with not knowing how any of these balloons will perform and therefore would be unable to make a good prediction. If you want me to order something other than Kaymont's 200 gram balloon let me know. I won't see the email reply's until tonight and therefore can't order anything until tomorrow. If you want to get the order in progress Kaymont's number is 1-800-644-5459. Ask for Paul. He may give you a 300 gram balloon for the 200 gram price. He started to to tell me he could substitute but I didn't pursue it at the time. Kaysam's number is 973-790-3366. Since we've not flown small Kaysam balloons we really don't know how they will perform either.

Jeff
KD7INN

4350. Re: [tvnsp] Recovery Operation

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-25 14:19:50 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4344 Message: 4350

If we do this, we need to do it this weekend. After October 1st, we
can't drive to the end of the trail. That adds about 3 miles to a 1
mile hike over very rough terrain.

Paul

> I ran into David Ritzenthaler today and told him about the latest
> adventure. David said he'd been too busy to keep up with the e-mail. When
> I told him the capsule was still stuck way up in a tree David got very
> excited. Turns out he has a lot of experience climbing trees like
> this. He has the equipment too.
>
> David said he was looking for an adventure for this weekend and rescuing
> this package sounded perfect. He sounded ready to head for the hills that
> very moment.
>
> Anyway, David asked me to send a message to the group requesting the
> details. If anyone wants to take David up on his offer to attempt a
> tall-tree near-space-capsule rescue, please contact him at the e-mail
> address above with details.
>
> Good luck, and be safe!
>
> 73,
>
> Tony - N7MTZ
>
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>

4351. (Fwd) [EOSS] Motorola/IBM GPS chip able to fit inside a watch!

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-25 14:26:14 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4351 Message: 4351

------- Forwarded Message Follows -------
To: EOSS@yahoogroups.com
From: clvancil@...
Date sent: Wed, 25 Sep 2002 04:24:51 EDT
Subject: [EOSS] Motorola/IBM GPS chip able to fit inside a watch!
Send reply to: EOSS@yahoogroups.com

[Double-click this line for list subscription options]

Hi Everyone,

Check this out:

http://www.cnn.com/2002/TECH/ptech/09/24/motorola.chip.reut/index.html

--Chris Vancil

[Non-text portions of this message have been removed]

To unsubscribe from this group, send an email to:
EOSS-unsubscribe@yahoogroups.com

Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

4352. Blocked Email

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-25 14:32:35 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4352 Message: 4352

I tried replying back to Rizenthaler (sp?), but my email is blocked.
Can someone verify he's getting our messages?

Paul

4353. First Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-25 14:43:13 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4353 Message: 4353

For my short history of amateur near space, I need the dates of first launch for each group. Please pass this message on to people who have launched in the past, but are no longer active.

Thanks,
Paul

4354. Motorola OnCore VP

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-25 14:49:35 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4354 Message: 4354

I used the OnCore as my first near space GPS. I still have the manuals and Basic Stamp code for controlling it. Let me know how much the amplified antennas cost. If the price is reasonable, I may purchase one for myself. The antenna is connected with a thin coax (like RG-184?). The ends are terminated with a SMA connector.

Paul

4355. Re: [tvnsp] 200 Gram Balloon

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-25 13:58:26 UTC
From: John Knapp
Topic: 4349 Message: 4355

Paul, how do we want to proceed with this? Do we want
to try a 300 gram balloon?

JohnK

--- Jeff Melanson <kd7inn@...> wrote:
> John the elder,
>
> You asked me to purchase a 200 gram balloon but
> Kaymont has
> none. There was some talk of other sizes or going
> with
> Kaysam. I think we have a problem with not knowing
> how any
> of these balloons will perform and therefore would
> be unable
> to make a good prediction. If you want me to order
> something
> other than Kaymont's 200 gram balloon let me know. I
> won't
> see the email reply's until tonight and therefore
> can't
> order anything until tomorrow. If you want to get
> the order
> in progress Kaymont's number is 1-800-644-5459. Ask
> for
> Paul. He may give you a 300 gram balloon for the 200
> gram
> price. He started to to tell me he could substitute
> but I
> didn't pursue it at the time. Kaysam's number is
> 973-790-3366. Since we've not flown small Kaysam
> balloons we
> really don't know how they will perform either.
>
> Jeff
> KD7INN
>

Do you Yahoo!?
New DSL Internet Access from SBC & Yahoo!
http://sbc.yahoo.com

4356. Re: [tvnsp] Recovery Operation

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-25 14:12:13 UTC
From: Randy Farley
Topic: 4344 Message: 4356

My bow setup is available if it would aid David's retrieval
method.
I am tied up this weekend so i cannot help this time.

>>> tonybarrett@sunvalley.net 09/24/02 09:38PM >>>
Maybe Randy's bow shoots a line up or over so David can pull up a climbing
rope.

At 09:28 PM 9/24/02 -0600, you wrote:
>Kudos to David for his offer to help with this. I would think that Jeff
>would be thrilled to get his equipment back. I believe that, along with
>Randy Farley's new bow arrangement, this offers the group's last/best
>chance to rescue the capsule this year. I understand that the gate that
>allows vehicular travel within a 'short' hop of the landing site will be
>closed on October 1 so there is no time like the present to make this
>happen. I only wish I was off work this weekend so I could help in some way.
>
>Stephanie
>
>
>Tony Barrett wrote:
> > Hello TVNSP,
> >
> > I ran into David Ritzenthaler today and told him about the latest
> > adventure. David said he'd been too busy to keep up with the
> e-mail. When
> > I told him the capsule was still stuck way up in a tree David got very
> > excited. Turns out he has a lot of experience climbing trees like
> > this. He has the equipment too.
> >
> > David said he was looking for an adventure for this weekend and rescuing
> > this package sounded perfect. He sounded ready to head for the hills that
> > very moment.
> >
> > Anyway, David asked me to send a message to the group requesting the
> > details. If anyone wants to take David up on his offer to attempt a
> > tall-tree near-space-capsule rescue, please contact him at the e-mail
> > address above with details.
> >
> > Good luck, and be safe!
> >
> > 73,
> >
> > Tony - N7MTZ
> >

> >
> >
> > To unsubscribe from this group, send an email to:
> > tvnsp-unsubscribe@egroups.com
> >
> >
> >
> > Your use of Yahoo! Groups is subject to
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> >
> >
> >
> >
>
>
>--
>Stephanie
>
>*******************************
>
>Friends are quiet angels who lift us to our feet when our wings have
>trouble remembering how to fly.
>
>*******************************
>
>"They that can give up essential liberty to obtain a little temporary
>safety deserve neither liberty nor safety."
>
>Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.
>
>"Those who desire to give up freedom in order to gain security will not
>have, nor do they deserve, either one."
>
>President Thomas Jefferson.
> 1743-1826
>
>*******************************
>
>Send and receive money safely over the Internet by using PayPal. I use
>it and highly recommend it as a safe and reliable means to conduct
>business. By using the link below we both will receive a $5 sign up bonus.
>
><https://www.paypal.com/refer/pal=kc7dba%40arrl.net>https://www.paypal.com/refer/pal=kc7d
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>
>*******************************
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><http://docs.yahoo.com/info/terms/>Yahoo! Terms of Service.

4357. Re: [tvnsp] 200 Gram Balloon

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-25 15:33:35 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4349 Message: 4357

Bigger is better. Go for the 300 grammer.

Mike, can we verfiy how much helium we have on reserve (ie in
your garage)?

Paul

> Paul, how do we want to proceed with this? Do we want
> to try a 300 gram balloon?
>
> JohnK
>
>
> --- Jeff Melanson <kd7inn@...> wrote:
> > John the elder,
> >
> > You asked me to purchase a 200 gram balloon but
> > Kaymont has
> > none. There was some talk of other sizes or going
> > with
> > Kaysam. I think we have a problem with not knowing
> > how any
> > of these balloons will perform and therefore would
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> > to make a good prediction. If you want me to order
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> > can't
> > order anything until tomorrow. If you want to get
> > the order
> > in progress Kaymont's number is 1-800-644-5459. Ask
> > for
> > Paul. He may give you a 300 gram balloon for the 200
> > gram
> > price. He started to to tell me he could substitute
> > but I
> > didn't pursue it at the time. Kaysam's number is
> > 973-790-3366. Since we've not flown small Kaysam
> > balloons we
> > really don't know how they will perform either.
> >
> > Jeff
> > KD7INN
> >

>
>
> ---
> Do you Yahoo!?
> New DSL Internet Access from SBC & Yahoo!
> http://sbc.yahoo.com
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> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
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>

4358. Re: [tvnsp] Recovery Operation

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-25 15:34:11 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4344 Message: 4358

Do we use the bow to shoot David out of the tree?

Paul
> My bow setup is available if it would aid David's retrieval
> method.
> I am tied up this weekend so i cannot help this time.
>
>
>
> >>> tonybarrett@... 09/24/02 09:38PM >>>
> Maybe Randy's bow shoots a line up or over so David can pull up a climbing
> rope.
>
>
> At 09:28 PM 9/24/02 -0600, you wrote:
> >Kudos to David for his offer to help with this. I would think that Jeff
> >would be thrilled to get his equipment back. I believe that, along with
> >Randy Farley's new bow arrangement, this offers the group's last/best
> >chance to rescue the capsule this year. I understand that the gate that
> >allows vehicular travel within a 'short' hop of the landing site will be
> >closed on October 1 so there is no time like the present to make this
> >happen. I only wish I was off work this weekend so I could help in some way.
> >
> >Stephanie
> >
> >
> >Tony Barrett wrote:
> > > Hello TVNSP,
> > >
> > > I ran into David Ritzenthaler today and told him about the latest
> > > adventure. David said he'd been too busy to keep up with the
> > e-mail. When
> > > I told him the capsule was still stuck way up in a tree David got very
> > > excited. Turns out he has a lot of experience climbing trees like
> > > this. He has the equipment too.
> > >
> > > David said he was looking for an adventure for this weekend and rescuing
> > > this package sounded perfect. He sounded ready to head for the hills that
> > > very moment.
> > >
> > > Anyway, David asked me to send a message to the group requesting the
> > > details. If anyone wants to take David up on his offer to attempt a
> > > tall-tree near-space-capsule rescue, please contact him at the e-mail
> > > address above with details.
> > >

> > > Good luck, and be safe!
> > >
> > > 73,
> > >
> > > Tony - N7MTZ
> > >
> > >
> > >
> > > To unsubscribe from this group, send an email to:
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> >--
> >Stephanie
> >
> >*******************************
> >
> >Friends are quiet angels who lift us to our feet when our wings have
> >trouble remembering how to fly.
> >
> >*******************************
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> >"They that can give up essential liberty to obtain a little temporary
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> >Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.
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> >39f5bca1.jpg
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4359. MIM?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-25 15:18:51 UTC
From: K. Mark Caviezel
Topic: 4359 Message: 4359

Paul:
greetings from Denver. wow, you guys have tons of
traffic on your email list.

I'll sign up for a MIM board.

- KMC kc0jhq

_____
Do you Yahoo!?
New DSL Internet Access from SBC & Yahoo!
http://sbc.yahoo.com

4360. Re: [tvnsp] MIM?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-25 16:20:57 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4359 Message: 4360

I believe it was in August that we had over 500 remail messages. I
think it's a sign of creativity in the group.

I'll send you one.

Paul

> Paul:
> greetings from Denver. wow, you guys have tons of
> traffic on your email list.
>
> I'll sign up for a MIM board.
>
> - KMC kc0jhq
>
>
> _____
> Do you Yahoo!?
> New DSL Internet Access from SBC & Yahoo!
> http://sbc.yahoo.com
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
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>

4361. Re: Recovery Operation

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-25 15:22:23 UTC
From: Justin Formolo
Topic: 4344 Message: 4361

I MIGHT be available pending any unforeseen engagements. Just need to know the when & the where's if this happens. I just can't what to get back to nature since I had sooooo much fun last time *smirk*,

Justin, KD7PIT

4362. Re: [KNSP] (Fwd) [EOSS] Motorola/IBM GPS chip able to fit inside a watch!

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-25 15:36:23 UTC
From: mgray@ess-us.com
Topic: 4351 Message: 4362

The only problem with this Motorola chip set is it is designed to work with the base station to provide location. The chip set only provides a portion of the required GPS processing.

However, there is a Finish company that provides a complete GPS engine that is the size of a postage stamp.

http://www.fastrax.fi

The product is shipping, works very well, and is less than $100. There is also a software development kit available that would allow you to generate APRS packets within the unit and eliminate an external processor.

The standard unit does send NMEA messages, so it will work with any standard TNC, MIM, or APRS unit. It is also well suited for battery operation because it only requires 100mW at 2.7V.

More fun toys to play with,
Michael Gray
ANSR

On Wed, 25 Sep 2002 verhap@... wrote:

>
> ------- Forwarded Message Follows -------
> To: EOSS@yahoogroups.com
> From: clvancil@...
> Date sent: Wed, 25 Sep 2002 04:24:51 EDT
> Subject: [EOSS] Motorola/IBM GPS chip able to fit inside a watch!
> Send reply to: EOSS@yahoogroups.com
>
> [Double-click this line for list subscription options]
>
> Hi Everyone,
>
> Check this out:
>
> http://www.cnn.com/2002/TECH/ptech/09/24/motorola.chip.reut/index.html
>
> --Chris Vancil
>
>
>
>
>

>
>
>
> [Non-text portions of this message have been removed]
>
>
>
> To unsubscribe from this group, send an email to:
> EOSS-unsubscribe@yahoogroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
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>
>
> To unsubscribe from this group, send an email to:
> KNSP-unsubscribe@yahoogroups.com
>
> List owner: KNSP-owner@yahoogroups.com
> Group URL: http://groups.yahoo.com/group/KNSP
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>

4363. Re: [tvnsp] MIM?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-25 15:45:33 UTC
From: Randy Farley
Topic: 4359 Message: 4363

Thats because we spend so much time looking for our balloons after launch in our hilly terrain :-)

Welcome aboard.

Randy
N7GPS

>>> kmcaviezel@yahoo.com 09/25/02 09:18AM >>>
Paul:
greetings from Denver. wow, you guys have tons of
traffic on your email list.

I'll sign up for a MIM board.

- KMC kc0jhq

_____
Do you Yahoo!?
New DSL Internet Access from SBC & Yahoo!
http://sbc.yahoo.com

To unsubscribe from this group, send an email to:
tvnsp-unsubscribe@egroups.com

Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

4364. Re: [tvnsp] Recovery Operation

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-25 15:47:48 UTC
From: Randy Farley
Topic: 4344 Message: 4364

No,we pin him to the tree with the arrow if he starts to fall ;-)

>>> verhap@... 09/25/02 08:34AM >>>
Do we use the bow to shoot David out of the tree?

Paul
> My bow setup is available if it would aid David's retrieval
> method.
> I am tied up this weekend so i cannot help this time.
>
>
>
> >>> tonybarrett@... 09/24/02 09:38PM >>>
> Maybe Randy's bow shoots a line up or over so David can pull up a climbing
> rope.
>
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> At 09:28 PM 9/24/02 -0600, you wrote:
> >Kudos to David for his offer to help with this. I would think that Jeff
> >would be thrilled to get his equipment back. I believe that, along with
> >Randy Farley's new bow arrangement, this offers the group's last/best
> >chance to rescue the capsule this year. I understand that the gate that
> >allows vehicular travel within a 'short' hop of the landing site will be
> >closed on October 1 so there is no time like the present to make this
> >happen. I only wish I was off work this weekend so I could help in some way.
> >
> >Stephanie
> >
> >
> >Tony Barrett wrote:
> > > > Hello TVNSP,
> > > >
> > > > I ran into David Ritzenthaler today and told him about the latest
> > > > adventure. David said he'd been too busy to keep up with the
> > > e-mail. When
> > > > I told him the capsule was still stuck way up in a tree David got very
> > > > excited. Turns out he has a lot of experience climbing trees like
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> > > tall-tree near-space-capsule rescue, please contact him at the e-mail
> > > address above with details.
> > >
> > > Good luck, and be safe!
> > >
> > > 73,
> > >
> > > Tony - N7MTZ
> > >
> > >
> > >
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> > >
> > >
> > >
> > >
> > >
> > >
> >--
> >Stephanie
> >
> >*******************************
> >
> >Friends are quiet angels who lift us to our feet when our wings have
> >trouble remembering how to fly.
> >
> >*******************************
> >
> >"They that can give up essential liberty to obtain a little temporary
> >safety deserve neither liberty nor safety."
> >
> >Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.
> >
> >"Those who desire to give up freedom in order to gain security will not
> >have, nor do they deserve, either one."
> >
> >President Thomas Jefferson.
> > 1743-1826
> >
> >*******************************
> >
> >Send and receive money safely over the Internet by using PayPal. I use
> >it and highly recommend it as a safe and reliable means to conduct
> >business. By using the link below we both will receive a $5 sign up bonus.

> >
> ><https://www.paypal.com/refer/pal=kc7dba%40arrl.net>https://www.paypal.com/refer/pal=kc
7dba%40ar
rl.net
> >
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4365. RE: [tvnsp] MIM?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-25 17:15:58 UTC
From: Doug Eubanks
Topic: 4359 Message: 4365

I really thought it was because everyone wants to
see what Paul will do next!

Doug
KA?O
-----Original Message-----
From: Randy Farley
[mailto:rfarley@...]
Sent: Wednesday, September 25, 2002 10:46 AM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] MIM?

Thats because we spend so much time looking for
our balloons after launch in our hilly terrain :-)

Welcome aboard.

Randy
N7GPS

>>> kmcaviezel@... 09/25/02 09:18AM >>>
Paul:
greetings from Denver. wow, you guys have tons
of
traffic on your email list.

I'll sign up for a MIM board.

- KMC kc0jhq

_____
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4366. Re: [tvnsp] Tiny Trak and MIM

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-25 17:20:11 UTC
From: Doug Rich
Topic: 4328 Message: 4366

I would like one each. Thanks

Doug W7DVR

4367. RE: Recovery Operation

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-25 20:46:28 UTC
From: Dave
Topic: 4344 Message: 4367

So the full story is, in a previous life i did a lot of glacier travel,
and thus we trained for self-rescue a lot, and the way self-rescue is practiced is by throwing a rope over a strong branch in a tree and prussicing up the rope using your own power (one horse power). http://members.tripod.com/~thede/pictures.html (search for the link to "Texas Prussic", what Texas has to do with it, i don't know)

So i currently rock climb, and have all the gear, i haven't prussiced in a while, but i still know how to do it...

I have been out to Atlanta twice this summer and it's absolutely beautiful out there, I would love to go again.

I'll have my radio on in my truck on the 146.52 unless Atlanta has a repeater that can be used in the area.

My callsign is KC7NFZ. I'll most definitely be camped by Chattanooga hot spring, also know as Atlanta hot springs. (There are two groups of hot springs within 1/2 mile of each other, i will _not_ be in the small one right by the dirt road, I'll be at the one over the cliff....)

My truck is a black ford with a gold canopy. The coordinates of the hot spring (I'll be camped within 100 yards):
NAD83 43,48.654,-115,07.015

From what I've been told, I'd better pack a hunting vest for me and my dogs!

It would be very helpful if you guys could provide the following:

1) A description of how high the craft is up the tree approximately. And an approximation of the difficulty of the tree (deciduous, coniferous, heavily branched, what's the elevation of the lowest branch... that kind of stuff)

2) GPS coordinates of the tree.

3) terrain, difficulty and distance of the approach to the tree. Could it be mtn biked?

3) A contact phone number or two I can use while I'm out there, if i have trouble finding the tree.

4) I have a 2 wheel drive F150 that does just fabulous on those roads out there are the roads to the capsule considerable worse than the roads in the general area? Am I going to have a difficult time

driving to the closest point to hike to the craft? If the road got too bad, how far would i have to walk (mtn bike?).

5) Is there a repeater that would work easily (low power) from Atlanta and the crash site? If so, let me know, and I'll be on that.

6) It's a bad idea to go out to a remote location and do technical rope work alone. I would feel a lot better about this if i had another person who could, at a minimum, call 911... :)
Russ expressed interest in going, and has some previous technical climbing experience....

Thanks all for the fun adventure!
Dave

4368. Re: [tvnsp] RE: Recovery Operation

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-25 21:58:06 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4344 Message: 4368

> 1) A description of how high the craft is up the tree
> approximately. And an approximation of the difficulty of the tree
> (deciduous, coniferous, heavily branched, what's the elevation
> of the lowest branch... that kind of stuff)

It's about 100 feet up the tree. There are very few branches low,
but they get thicker about 30 feet up. It's a pine tree

> 2) GPS coordinates of the tree.

I don't have that with me.

> 3) terrain, difficulty and distance of the approach to the tree.
> Could it be mtn biked?

The terrain is very steep in places. Footing can be trecherous. At
the tree, the ground slopes about 30 degrees. It's a 1 mile hike
from the end of the road. The road is close on 1 Oct. That adds
another 3 mile hike to the trip.

3) A contact phone number or two I can use while I'm out there, if i
> have trouble finding the tree.

?

> 4) I have a 2 wheel drive F150 that does just fabulous on those
> roads out there are the roads to the capsule considerable worse than
> the roads in the general area? Am I going to have a difficult time
> driving to the closest point to hike to the craft? If the road got
> too bad, how far would i have to walk (mtn bike?).

No more than three miles, on pretty level roads.

> 5) Is there a repeater that would work easily (low power) from
> Atlanta and the crash site? If so, let me know, and I'll be on
> that.

I don't remember which one it was. Dave will monitor 146.52 if we
ask him.

Paul

4369. Re: [tvnsp] RE: Recovery Operation

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-25 21:05:38 UTC
From: John Knapp
Topic: 4344 Message: 4369

I really appreciate you volunteering to go after the capsule. I have not been to the tree and don't have the location of it handy, but I can give you some advice.

There are no repeaters for the Pine area (not Atlanta). We did meet a ham, Dave, call sign KG7CN. He lives outside of Mt. Home but goes up to Pine most weekends. Please contact him on 145.62, simplex, when you go up. He can give you some very good instructions to the capsule. The best way to get to it is to take Wagontown Rd, FS183, outside of Featherville. It will take you to about a mile from the capsule. The hike from the road to the capsule is rough, I seriously doubt a Mt. bike can handle it. One of the others that have been there can give a better description of the terrain. From what I understand, the capsule is about 100 ft. in the tree. It is a conifer pine, a seed tree that is about 3 ft. in diameter (not circumference). The lowest branches are about 30 ft above the ground.

Paul or Jeff, are you available to help out this weekend? Dave, when do you plan to attempt the retrieval? Saturday or Sunday?

Hope this helps.

JohnK, the elder
KD7HGS

_____
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4370. Re: [tvnsp] RE: Recovery Operation

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-25 21:30:15 UTC
From: Dave Lastname
Topic: 4344 Message: 4370

Between yours and Pauls description, it sounds like I'll be using techincal gear to simply get into the lower branches (estimated to be 30 feet off the ground). Then do some tree climbing with techincal safety and technical assistance. This sounds do-able and not terribly dangerous. I'm NOT climbing out on a small branch. So we'll have to get creative when i get to the right elevation.

Anybody know how far out from the trunk the craft is? There is zero percet chance that i'll go out on a small limb. I guess i could over climb it, and then swing out, but i'd rather not do that. (under my breath... cut off the limb? I didn't say that)

Do we have an email address for KG7CN (Dave?).

Thanks
Dave

John Knapp wrote: I really appreciate you volunteering to go after the capsule. I have not been to the tree and don't have the location of it handy, but I can give you some advice.

There are no repeaters for the Pine area (not Atlanta). We did meet a ham, Dave, call sign KG7CN. He lives outside of Mt. Home but goes up to Pine most weekends. Please contact him on 145.62, simplex, when you go up. He can give you some very good instructions to the capsule. The best way to get to it is to take Wagontown Rd, FS183, outside of Featherville. It will take you to about a mile from the capsule. The hike from the road to the capsule is rough, I seriously doubt a Mt. bike can handle it. One of the others that have been there can give a better description of the terrain. From what I understand, the capsule is about 100 ft. in the tree. It is a conifer pine, a seed tree that is about 3 ft. in diameter (not circumference). The lowest branches are about 30 ft above the ground.

Paul or Jeff, are you available to help out this weekend? Dave, when do you plan to attempt the retrieval? Saturday or Sunday?

Hope this helps.

JohnK, the elder
KD7HGS

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4371. Weekend weather

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-25 21:38:03 UTC
From: n9xtn@cox.net
Topic: 4371 Message: 4371

If you have a choice of days, Saturday is probably the better one. On Sunday, there will be increasing clouds and wind through the day and a slight chance of showers by late afternoon or evening as a cold front approaches. Expect upper 30s in the morning and low 70s by afternoon either day. Saturday should be clear with light winds (< 10 mph).

- Mark

4372. Re: [tvnsp] (Fwd) [EOSS] Motorola/IBM GPS chip able to fit inside a watch!

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-25 21:46:35 UTC
From: Rick Widmer
Topic: 4351 Message: 4372

verhap@... wrote:
>
> Hi Everyone,
>
> Check this out:
>
> http://www.cnn.com/2002/TECH/ptech/09/24/motorola.chip.reut/index.html
>
> --Chris Vancil

See also:

http://www.motorola.com/mediacenter/news/detail/0,1958,1888_1514_23,00.html

http://www.motorola.com/ies/GPS/

Rick

4373. TVO1E search files

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-25 21:55:31 UTC
From: Dave
Topic: 4373 Message: 4373

There is a directory in our "Files" area that is labled:
TV01E Search-Files relating to the predicted landing and search for
TV01E

But it's empty.
Could someone email all that stuff to me (even if it's huge)
email address below, remove the <stuff> and you'll be fine.
ritz@<no spam prettyplease>gocougs.<no-spamthanks>wsu.<no spam>.edu

4374. Re: [tvnsp] Motorola OnCore VP

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-26 00:07:52 UTC
From: Tim Rynearson
Topic: 4354 Message: 4374
Attachments: 2 described; binary payloads are missing from this source WARC

Paul,
I bought an amplified antenna off of EBay a couple of months back for 40 or 45 bucks. I think they are an on-going listing from "GPSGeek". Sorry that my recollection on the price isn't any better.

Tim

-------Original Message-------

From: tvnsp@yahoogroups.com
Date: Wednesday, September 25, 2002 07:18:25 AM
To: tvnsp@yahoogroups.com
Subject: [tvnsp] Motorola OnCore VP

I used the OnCore as my first near space GPS. I still have the manuals and Basic Stamp code for controlling it. Let me know how much the amplified antennas cost. If the price is reasonable, I may purchase one for myself. The antenna is connected with a thin coax (like RG-184?). The ends are terminated with a SMA connector.

Paul

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4375. Re: [tvnsp] RE: Recovery Operation

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-26 00:27:41 UTC
From: Tim Rynearson
Topic: 4344 Message: 4375
Attachments: 2 described; binary payloads are missing from this source WARC

I seem to recall a posting of the tree coordinates the day of or the day
after the recovery attempt, by I think it was Justin....but I'll be darned
if I can find it in my archives......

Tim

-------Original Message-------

From: tvnsp@yahoogroups.com
Date: Wednesday, September 25, 2002 02:27:18 PM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] RE: Recovery Operation

> 1) A description of how high the craft is up the tree
> approximately. And an approximation of the difficulty of the tree
> (deciduous, coniferous, heavily branched, what's the elevation
> of the lowest branch... that kind of stuff)

It's about 100 feet up the tree. There are very few branches low,
but they get thicker about 30 feet up. It's a pine tree

> 2) GPS coordinates of the tree.

I don't have that with me.

> 3) terrain, difficulty and distance of the approach to the tree.
> Could it be mtn biked?

The terrain is very steep in places. Footing can be trecherous. At
the tree, the ground slopes about 30 degrees. It's a 1 mile hike
from the end of the road. The road is close on 1 Oct. That adds
another 3 mile hike to the trip.

3) A contact phone number or two I can use while I'm out there, if i
> have trouble finding the tree.

?

> 4) I have a 2 wheel drive F150 that does just fabulous on those
> roads out there are the roads to the capsule considerable worse than
> the roads in the general area? Am I going to have a difficult time
> driving to the closest point to hike to the craft? If the road got
> too bad, how far would i have to walk (mtn bike?).

No more than three miles, on pretty level roads.

> 5) Is there a repeater that would work easily (low power) from
> Atlanta and the crash site? If so, let me know, and I'll be on
> that.

I don't remember which one it was. Dave will monitor 146.52 if we
ask him.

Paul

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4376. Re: [tvnsp] RE: Recovery Operation

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-26 00:49:13 UTC
From: Tim Rynearson
Topic: 4344 Message: 4376
Attachments: 2 described; binary payloads are missing from this source WARC

I found them !!!!...They weren't posted by Justin, afterall, but by Jeff in message number 4194....Here's the text....
"The Tree" ,as named by Justin, with the capsule in it is located at
N43 32.612' W115 20.621'

Tim

-------Original Message-------

From: tvnsp@yahoogroups.com
Date: Wednesday, September 25, 2002 02:27:18 PM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] RE: Recovery Operation

> 1) A description of how high the craft is up the tree
> approximately. And an approximation of the difficulty of the tree
> (deciduous, coniferous, heavily branched, what's the elevation
> of the lowest branch... that kind of stuff)

It's about 100 feet up the tree. There are very few branches low, but they get thicker about 30 feet up. It's a pine tree

> 2) GPS coordinates of the tree.

I don't have that with me.

> 3) terrain, difficulty and distance of the approach to the tree.
> Could it be mtn biked?

The terrain is very steep in places. Footing can be trecherous. At the tree, the ground slopes about 30 degrees. It's a 1 mile hike from the end of the road. The road is close on 1 Oct. That adds another 3 mile hike to the trip.

3) A contact phone number or two I can use while I'm out there, if i
> have trouble finding the tree.

?

> 4) I have a 2 wheel drive F150 that does just fabulous on those
> roads out there are the roads to the capsule considerable worse than
> the roads in the general area? Am I going to have a difficult time
> driving to the closest point to hike to the craft? If the road got
> too bad, how far would i have to walk (mtn bike?).

No more than three miles, on pretty level roads.

> 5) Is there a repeater that would work easily (low power) from
> Atlanta and the crash site? If so, let me know, and I'll be on
> that.

I don't remember which one it was. Dave will monitor 146.52 if we
ask him.

Paul

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4377. Re: [tvnsp] RE: Recovery Operation

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-26 02:33:02 UTC
From: Jeff Melanson
Topic: 4344 Message: 4377

Hi Dave,

I'll try to answer your questions below. I will not be able
to go with you this weekend. I hope someone can go with you,
it would be best to have a partner.

Dave wrote:
>
> >From what I've been told, I'd better pack a hunting vest for me and
> my dogs!

Yes, take a bright orange vest. There are hunters in the
area where you will start the hike. I don't think anyone has
been where we went. Also be sure to take plenty of water,
you will need it! Take a first aid kit and the other usual
safety items. We did see plenty of bear tracks.

> It would be very helpful if you guys could provide the following:
>
> 1) A description of how high the craft is up the tree
> approximately. And an approximation of the difficulty of the tree
> (deciduous, coniferous, heavily branched, what's the elevation
> of the lowest branch... that kind of stuff)

The craft is about 100 ft or a little higher in the tree.
You can't see the capsule from under the tree. The first
thing you will see is the parachute which is red and white.
The capsule is more difficult to see. It appears to me that
the capsule is cradled between and slightly above two
branches.
There are few branches down low and they have cracks on the
bottoms, moss on the tops and are obviously dead. These
branches are about 2 inches in diameter and larger. They are
spread out to far to climb. The one we could reach was
surprisingly strong. I tested it for strength and I couldn't
budge it. I still would not trust these branches. About 1/4
of the way up the tree is where the live branches start.
From that point on it looks easy to climb the branches. Not
to heavily branched. The tree is about 9 to 10 feet in
circumference at the bottom.

> 2) GPS coordinates of the tree.

Tree:

Decimal format: Degrees/minutes format:

N 43.54354 N 43 32.612
W 115.34368 W 115 20.621

Here are the coordinates of where we parked. This is the
closest you can drive to the capsule which is about 1 mile
from the capsule as the bird fly's.

Decimal Degrees/minutes

N 43.55620 N 43 33.372
W 115.33224 W 115 19.934

There was some brush that we had to drive through that was
growing into the road from both sides. There are fine
scratches on my truck but my paint is peeling anyway so it
didn't matter to me. A two wheel drive truck will work just
fine. After you park in the open area you will notice the
road seems to continue a little further around a corner. The
road ends here and a game trail gets you started.

> 3) terrain, difficulty and distance of the approach to the tree.
> Could it be mtn biked?

The only way in is hiking. A mountain bike is useless. The
first 2/3rds of the terrain is not to bad. Study the terrain
carefully as you hike in and pick the longer gentler slopes
and open terrain. Follow the game trails where possible. Be
sure to track yourself with your GPS. The signal is a little
weak so be sure to stop and get a good position update
often. The last 1/3rd gets steeper and rougher. Someone is
good physical condition would enjoy the challenge. If your
out of shape don't go. The tree is on a slope and the area
around it is open.

> 3) A contact phone number or two I can use while I'm out there, if i
> have trouble finding the tree.

Your cell phone won't work out there. Dave KG7CN can monitor
your activity for the entire hike. We contacted him from the
tree and other places on simplex and had little trouble. He
called John on the phone and kept him updated. It is not a
long distance call for him. He also kept us up to date on
changing weather conditions.
My phone number is 866-8032.
Dave has subscribed to this email list. He goes up to his
cabin on weekends. You should contact him before you leave
and make sure he will be there. If he isn't there you will
have no contact with the outside world.

> 4) I have a 2 wheel drive F150 that does just fabulous on those
> roads out there are the roads to the capsule considerable worse than
> the roads in the general area? Am I going to have a difficult time
> driving to the closest point to hike to the craft? If the road got

> too bad, how far would i have to walk (mtn bike?).

You will have no trouble driving your truck to the
coordinates I gave.

> 5) Is there a repeater that would work easily (low power) from
> Atlanta and the crash site? If so, let me know, and I'll be on
> that.

No not easily. Sometimes you can hit the .84 repeater.

> 6) It's a bad idea to go out to a remote location and do technical
> rope work alone. I would feel a lot better about this if i had
> another person who could, at a minimum, call 911... :)
> Russ expressed interest in going, and has some previous technical
> climbing experience....

I highly recommend you take a partner. No one should go
alone. If you do this it is only for the adventure. The cost
of the capsule is only about $250 to $300 and therefore it's
not important enough to take risks or spend money to get it.

Other notes:

The capsule is well packed in foam rubber and can be dropped
if needed. It was designed to take impacts. However it will
probably roll down the slope to the creek below. I suspect
it would stop short of the creek in the brush.

Don't worry about the parachute if you have to damage it to
get it out of the branches.

> Thanks all for the fun adventure!
> Dave
>

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4378. Re: [tvnsp] Re: PC

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-25 03:10:30 UTC
From: Zack Clobes
Topic: 4325 Message: 4378

I haven't been keeping up with what you've got for sale, but we've just finished upgrading a bunch of PC's at work. We've had a hard time giving away P133-P166 with 40-64MB of RAM. We've even thrown some of them away.

With operating systems, I'd probably try to sell them on eBay. Without OS's.... well, good luck.. :-)

Zack Clobes, W0ZC
Project: Traveler

----- Original Message -----
From: "Stephanie Steele" <stephanie@...>
To: <tvnsp@yahoogroups.com>
Sent: Tuesday, September 24, 2002 10:31 AM
Subject: Re: [tvnsp] Re: PC

> My .02
>
> This is the current going rate for used systems:
>
>
> Pentium II 400+ class (100 mhz bus) $175
> Pentium II 266-366 class (66 mhz bus) $110
> Pentium class 200-233 Mhz $25
> Pentium class below 200 Mhz $10
> 486 or below, Does your boat need an achor?
>
> Stephanie
>
>
>
> John Knapp wrote:
> > I would be available to help clean, assemble and test
> > some PC's.
> >
> > JohnK
> >
> > --- verhap@... wrote:
> >
> >>I made a suggestion that we sell the PCs for $50
> >>each. Russ is
> >>suggesting more. What is your input? Can we get
> >>together this
> >>week to assemble some and test them?
> >>
> >>Paul

> >>
> >>
> >>>Wow, Paul that's really cheap. Are you sure you
> >>
> >>don't want to hold out for $100 for the Pentium &
> >>$50 for the 486? I mean it is a donation to a good
> >>cause. For marketing, you could say $90. But, it's
> >>your stuff now. Are you turning on each machine and
> >>testing it? For $50 each, one could
> >>buy two and make at least one of them work.
> >>
> >>
> >>> Russ, can you let them know we'll start selling
> >>
> >>them as so as we
> >>
> >>> get a couple of them put together? We'll ask
> >>
> >>$50 for a system.
> >>
> >>> >
> >>> > I personally sold a 133 package for $50 each
> >>
> >>and they were sold for $100 & $200 prior to your
> >>receiving them. That's quite a range. Hope that
> >>helps you a little bit.
> >>
> >>
> >
> >
> >
> > _____
> > Do you Yahoo!?
> > New DSL Internet Access from SBC & Yahoo!
> > http://sbc.yahoo.com
> >
> >
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> --
> Stephanie
>
> ******************************
>
> Friends are quiet angels who lift us to our feet when our wings have
> trouble remembering how to fly.
>
> ******************************
>
> "They that can give up essential liberty to obtain a little temporary
> safety deserve neither liberty nor safety."
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> Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.
>
> "Those who desire to give up freedom in order to gain security will not
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> 1743-1826
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> https://www.paypal.com/refer/pal=kc7dba%40arrl.net
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4379. Fwd: RE: Recovery Operation

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-26 04:25:06 UTC
From: Tony Barrett
Topic: 4379 Message: 4379

Forwarding.

You guys had better exchange phone numbers fast if you are going to make this happen this weekend. If not this weekend, it may not happen at all.

Glad to play my small part.

Good luck!

Tony

>From: "RITZENTHALER,DAVID (HP-Boise,ex1)" <david.ritzenthaler@...>
>To: 'Tony Barrett' <tonybarrett@...>, tvnsp@yahoogroups.com
>Cc: 'Russ Dunn' <n7sma@...>,
> "RITZENTHALER,DAVID (HP-Boise,ex1)" <david.ritzenthaler@...>
>Subject: RE: Recovery Operation
>Date: Wed, 25 Sep 2002 07:32:52 -0700
>X-Mailer: Internet Mail Service (5.5.2655.55)
>
>(Tony/Russ I'm not on the TVNSP list anymore, it may not allow me
>to spam everyone, if this email doesn't make it out to the group,
>could you please forward it on. Thanks guys)
>
>
> From Dave Ritz:
>So the full story is, in a previous life i did a lot of glacier travel,
>and thus we trained for self-rescue a lot, and the way self-rescue is
>practiced is by throwing a rope over a strong branch in a tree and
>prussicing up the rope using your own power (one horse power).
>http://members.tripod.com/~thede/pictures.html (search for the link
>to "Texas Prussic", what Texas has to do with it, i don't know)
>
>So i currently rock climb, and have all the gear, i haven't prussiced in
>a while, but i still know how to do it...
>
>I have been out to Atlanta twice this summer and it's absolutely beautiful
>out there, I would love to go again.
>
>I'll have my radio on in my truck on the 146.52 unless Atlanta has a
>repeater
>that can be used in the area.
>
>My callsign is KC7NFZ. I'll most definitely be camped by Chattanooga hot
>spring,
>also know as Atlanta hot springs. (There are two groups of hot springs
>within

>1/2 mile of each other, i will _not_ be in the small one right by the dirt
>road,
>I'll be at the one over the cliff....)
>
>My truck is a black ford with a gold canopy. The coordinates of the hot
>spring
>(I'll be camped within 100 yards): NAD83 ElevFeet Local-Time
>43,48.654,-115,07.015
>
> From what I've been told, I'd better pack a hunting vest for me and my dogs!
>
>It would be very helpful if you guys could provide the following:
>
>1) A description of how high the craft is up the tree approximately. And
>an approximation of the
> difficulty of the tree (deciduous, coniferous, heavily branched, what's
>the elevation
> of the lowest branch... that kind of stuff)
>
>2) GPS coordinates of the tree.
>
>3) terrain, difficulty and distance of the approach to the tree. Could it
>be mtn biked?
>
>3) A contact phone number or two I can use while I'm out there, if i have
>trouble
> finding the tree.
>
>4) I have a 2 wheel drive F150 that does just fabulous on those roads out
>there
> are the roads to the capsule considerable worse than the roads in the
>general area?
> Am I going to have a difficult time driving to the closest point to hike
>to the
> craft? If the road got too bad, how far would i have to walk (mtn
>bike?).
>
>5) Is there a repeater that would work easily (low power) from Atlanta and
>the crash
> site? If so, let me know, and I'll be on that.
>
>6) It's a bad idea to go out to a remote location and do technical rope
>work alone. I would
> feel a lot better about this if i had another person who could, at a
>minimum, call 911... :)
> Russ expressed interest in going, and has some previous technical
>climbing experience....
>
>
>Thanks all for the fun adventure!

> Dave
>
>My notes:
>RussN7SMA454.2336-454.5731

4380. Re: [tvnsp] RE: Recovery Operation

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-26 14:23:10 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4344 Message: 4380

> Anybody know how far out from the trunk the craft is? There is zero percet chance
> that i'll go out on a small limb. I guess i could over climb it, and then swing out,
> but i'd rather not do that. (under my breath... cut off the limb? I didn't say that)

It's about 5 feet away from the trunk. As soon as the parachute hit
the branches, it stopped.

Paul

4381. Re: [tvnsp] TVO1E search files

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-26 14:27:53 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4373 Message: 4381

You need notes on TV02F.

Paul

> There is a directory in our "Files" area that is labled:
> TV01E Search-Files relating to the predicted landing and search for
> TV01E
>
> But it's empty.
> Could someone email all that stuff to me (even if it's huge)
> email address below, remove the <stuff> and you'll be fine.
> ritz@<no spam prettyplease>gocougs.<no-spamthanks>wsu.<no spam>.edu
>
>
>
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4382. More PCBs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-26 14:57:16 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4382 Message: 4382

I have four PCBs for a temperatutre sensor array. I've used this board with my current flight computer (block 1 CC/PS) sucessfully and will try it with the MIM-based flight computer at the next launch. If anyone would like to test that board out, please let me know. It's $5 also.

I still have a block one CC/PS PCB an several flight termination units (thermal knife kits). Let me know if you'd like to experiment with those also.

All kits come with a drilled PCB and directions. I'm asking that beta testers report back any corrections or claifications to the directions. I plan to ask Parallax if they'll make the boards once my book is ready to be published. By the way, I plan to send the first chapters to them next week.

I plan to shoot the MIM and TT2 boards this weekend.

Paul

4383. Re: [tvnsp] More PCBs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-26 14:08:19 UTC
From: Stephanie Steele
Topic: 4382 Message: 4383

Hi Paul,

Are these the same boards you mentioned at a previous meeting for use on the digi sites I manage? If so, I'm interested in several. If not, put me down for one anyway.

Stephanie

verhap@... wrote:
> I have four PCBs for a temperatutre sensor array. I've used this
> board with my current flight computer (block 1 CC/PS) sucessfully
> and will try it with the MIM-based flight computer at the next
> launch. If anyone would like to test that board out, please let me
> know. It's $5 also.
>
> I still have a block one CC/PS PCB an several flight termination
> units (thermal knife kits). Let me know if you'd like to experiment
> with those also.
>
> All kits come with a drilled PCB and directions. I'm asking that
> beta testers report back any corrections or claifications to the
> directions. I plan to ask Parallax if they'll make the boards once
> my book is ready to be published. By the way, I plan to send the
> first chapters to them next week.
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Stephanie

****

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1743-1826

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4384. Re: [tvnsp] More PCBs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-26 15:12:50 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4382 Message: 4384

You can put the temperature sensor array at the digi site. The
array has four sensors, for four temperatures.

The inputs are power and ground. Output is four voltages
representing the temperatures.

Paul
> Hi Paul,
>
> Are these the same boards you mentioned at a previous meeting for use on
> the digi sites I manage? If so, I'm interested in several. If not, put
> me down for one anyway.
>
> Stephanie
>
>
>
> verhap@... wrote:
> > I have four PCBs for a temperatutre sensor array. I've used this
> > board with my current flight computer (block 1 CC/PS) sucessfully
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> > launch. If anyone would like to test that board out, please let me
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> > I still have a block one CC/PS PCB an several flight termination
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> >
> > Paul
> >
> >
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4385. Re: [tvnsp] More PCBs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-26 14:25:03 UTC
From: Stephanie Steele
Topic: 4382 Message: 4385

Ok, this must be something different. I thought you said you had some
boards for a single temp sensor so I could install one on each KPC-3+
equiped digi site.

I'd like one of the four sensor boards for my capsule.

Stephanie

verhap@... wrote:
> You can put the temperature sensor array at the digi site. The
> array has four sensors, for four temperatures.
>
> The inputs are power and ground. Output is four voltages
> representing the temperatures.
>
> Paul
>
>>Hi Paul,
>>
>>Are these the same boards you mentioned at a previous meeting for use on
>>the digi sites I manage? If so, I'm interested in several. If not, put
>>me down for one anyway.
>>
>>Stephanie
>>
>>
>>
>>verhap@... wrote:
>>
>>>I have four PCBs for a temperatutre sensor array. I've used this
>>>board with my current flight computer (block 1 CC/PS) sucessfully
>>>and will try it with the MIM-based flight computer at the next
>>>launch. If anyone would like to test that board out, please let me
>>>know. It's $5 also.
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>>>I still have a block one CC/PS PCB an several flight termination
>>>units (thermal knife kits). Let me know if you'd like to experiment
>>>with those also.
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>>>All kits come with a drilled PCB and directions. I'm asking that
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>>>I plan to shoot the MIM and TT2 boards this weekend.

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>>Stephanie
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4386. Re: [tvnsp] More PCBs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-26 14:30:31 UTC
From: Stephanie Steele
Topic: 4382 Message: 4386

Also.....

I am interested in the cut away kits. I want to start flying these on every flight and would like to make up a bunch so we could just have them on hand in flight ready configuration. Randy and I discussed an alternative way to handle the cut away task the other day which got me to thinking about these.

Stephanie
(Guess you better start a 'Stephanie' box at the rabbit hutch)

verhap@... wrote:
> I have four PCBs for a temperatutre sensor array. I've used this
> board with my current flight computer (block 1 CC/PS) sucessfully
> and will try it with the MIM-based flight computer at the next
> launch. If anyone would like to test that board out, please let me
> know. It's $5 also.
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4387. Re: [tvnsp] More PCBs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-26 15:35:54 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4382 Message: 4387

We can solder together some single sensors. Order some
LM335s and 1k resistors. I'll need to know how you plan to
connect the sensors to the TNC's ADC port.

Paul

> Ok, this must be something different. I thought you said you had some
> boards for a single temp sensor so I could install one on each KPC-3+
> equiped digi site.
>
> I'd like one of the four sensor boards for my capsule.
>
> Stephanie
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> >>Stephanie
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> ******************************
>
> "They that can give up essential liberty to obtain a little temporary
> safety deserve neither liberty nor safety."
>
> Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.
>
> "Those who desire to give up freedom in order to gain security will not
> have, nor do they deserve, either one."
>
> President Thomas Jefferson.
> 1743-1826
>
> ******************************
>
> Send and receive money safely over the Internet by using PayPal. I use
> it and highly recommend it as a safe and reliable means to conduct
> business. By using the link below we both will receive a $5 sign up bonus.
>
> https://www.paypal.com/refer/pal=kc7dba%40arrl.net
>
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>
> de recta non tolerandum sunt
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4388. Re: [tvnsp] More PCBs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-26 15:36:34 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4382 Message: 4388

Stephanie, I have you down for one FTU, also.

Paul

4389. Re: [tvnsp] RE: Recovery Operation

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-26 14:57:59 UTC
From: Dave Lastname
Topic: 4344 Message: 4389

Jeff thanks so much, this is exactly what i needed, really appreciated.
As a sanity check, on my map the road i should use goes up Dog Creek and passes the Dog Creek Campground about 1/2 mile after leaving the Pine-Featherville road. The distance to your parking area is about 3 miles from the Pine-Featherville road, and it's about a mile walk into the balloon. This seems to corelate well with all the info i've been given.
Thanks for the advice about the water/first aid kit, i'm an outdoor freak, i have all the provisions under control, but the tought is greatly appreciated. And I'll have a pistol to protect me from the hunters... uhh i mean the bears.
If i simply break the capsle and parashoot loose, it'll just snag again a little lower, i'm going to have to cut off the parashoot, i'm sure it'll be destroyed as you mentioned, i'll try not to drop the capsel unless i have too... i mean, i'll have 3 dogs tied to the base of the tree!!!! And they might think it's a chew toy... hee hee. And yes I have hunting vests for my dogs too! I'll keep them on a leash near me and i'll have a vest as well.
Hunters... don't get me started.

Okay, looks like i have all the info I need. I'll be headed out of Boise at 3:30pm tommorow (Friday). I'll be on the 146.52 and try to hook up with whoever, specifically i'll try to contact Dave, KG7CN. It sounds like Russ cant make it friday night, he would rather get up at 6am, which is against my religion.

Jeff Melanson wrote:Hi Dave,

I'll try to answer your questions below. I will not be able
to go with you this weekend. I hope someone can go with you,
it would be best to have a partner.

Dave wrote:
>
> >From what I've been told, I'd better pack a hunting vest for me and
> my dogs!

Yes, take a bright orange vest. There are hunters in the
area where you will start the hike. I don't think anyone has
been where we went. Also be sure to take plenty of water,
you will need it! Take a first aid kit and the other usual
safety items. We did see plenty of bear tracks.

> It would be very helpful if you guys could provide the following:
>
> 1) A description of how high the craft is up the tree
> approximately. And an approximation of the difficulty of the tree
> (deciduous, coniferous, heavily branched, what's the elevation
> of the lowest branch... that kind of stuff)

The craft is about 100 ft or a little higher in the tree.
You can't see the capsule from under the tree. The first
thing you will see is the parachute which is red and white.

The capsule is more difficult to see. It appears to me that the capsule is cradled between and slightly above two branches.
There are few branches down low and they have cracks on the bottoms, moss on the tops and are obviously dead. These branches are about 2 inches in diameter and larger. They are spread out to far to climb. The one we could reach was surprisingly strong. I tested it for strength and I couldn't budge it. I still would not trust these branches. About 1/4 of the way up the tree is where the live branches start. From that point on it looks easy to climb the branches. Not to heavily branched. The tree is about 9 to 10 feet in circumference at the bottom.

> 2) GPS coordinates of the tree.

Tree:

Decimal format: Degrees/minutes format:

N 43.54354 N 43 32.612
W 115.34368 W 115 20.621

Here are the coordinates of where we parked. This is the closest you can drive to the capsule which is about 1 mile from the capsule as the bird fly's.

Decimal Degrees/minutes

N 43.55620 N 43 33.372
W 115.33224 W 115 19.934

There was some brush that we had to drive through that was growing into the road from both sides. There are fine scratches on my truck but my paint is peeling anyway so it didn't matter to me. A two wheel drive truck will work just fine. After you park in the open area you will notice the road seems to continue a little further around a corner. The road ends here and a game trail gets you started.

> 3) terrain, difficulty and distance of the approach to the tree.
> Could it be mtn biked?

The only way in is hiking. A mountain bike is useless. The first 2/3rds of the terrain is not to bad. Study the terrain carefully as you hike in and pick the longer gentler slopes and open terrain. Follow the game trails where possible. Be sure to track yourself with your GPS. The signal is a little weak so be sure to stop and get a good position update often. The last 1/3rd gets steeper and rougher. Someone is good physical condition would enjoy the challenge. If your out of shape don't go. The tree is on a slope and the area around it is open.

> 3) A contact phone number or two I can use while I'm out there, if i
> have trouble finding the tree.

Your cell phone won't work out there. Dave KG7CN can monitor
your activity for the entire hike. We contacted him from the
tree and other places on simplex and had little trouble. He
called John on the phone and kept him updated. It is not a
long distance call for him. He also kept us up to date on
changing weather conditions.
My phone number is 866-8032.
Dave has subscribed to this email list. He goes up to his
cabin on weekends. You should contact him before you leave
and make sure he will be there. If he isn't there you will
have no contact with the outside world.

> 4) I have a 2 wheel drive F150 that does just fabulous on those
> roads out there are the roads to the capsule considerable worse than
> the roads in the general area? Am I going to have a difficult time
> driving to the closest point to hike to the craft? If the road got
> too bad, how far would i have to walk (mtn bike?).

You will have no trouble driving your truck to the
coordinates I gave.

> 5) Is there a repeater that would work easily (low power) from
> Atlanta and the crash site? If so, let me know, and I'll be on
> that.

No not easily. Sometimes you can hit the .84 repeater.

> 6) It's a bad idea to go out to a remote location and do technical
> rope work alone. I would feel a lot better about this if i had
> another person who could, at a minimum, call 911... :)
> Russ expressed interest in going, and has some previous technical
> climbing experience....

I highly recommend you take a partner. No one should go
alone. If you do this it is only for the adventure. The cost
of the capsule is only about $250 to $300 and therefore it's
not important enough to take risks or spend money to get it.

Other notes:

The capsule is well packed in foam rubber and can be dropped
if needed. It was designed to take impacts. However it will
probably roll down the slope to the creek below. I suspect
it would stop short of the creek in the brush.

Don't worry about the parachute if you have to damage it to
get it out of the branches.

> Thanks all for the fun adventure!
> Dave
>

>
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>
>
>
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4390. Re: [tvnsp] RE: Recovery Operation

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-26 16:07:40 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4344 Message: 4390

Dave, just to check, you plan to spend the night there and leave on the hike on Saturday?

Paul

4391. Re: [tvnsp] RE: Recovery Operation

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-26 15:27:30 UTC
From: Dave Lastname
Topic: 4344 Message: 4391

Hi Paul,
Yes i plan on camping in the area all weekend, leaving boise friday night. There are many hotsprings in the area, i imagine i'll camp near one of those, if you happen to be in the area friday night just look for me on the 146.52. According to my maps there are 3 hotsprings between pine and featherville.
I will be waiting for someone to be present before i head up the tree. I expect this to be around 9-11AM on Saturday. Lets just say i'll be at the base of that tree, and totally ready to go around 8:30 on Saturday cooling my heals waiting for someone to be there in case i get hurt or something.
I'm also trying to recruit at least one other climber/caver to come along for technical and safety reasons.
Dave
verhap@... wrote:Dave, just to check, you plan to spend the night there and leave on the hike on Saturday?

Paul

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4392. Re: Recovery Operation

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-26 15:29:12 UTC
From: Justin Formolo
Topic: 4344 Message: 4392

-Group

I'm interested in going along to retrieve the capsule if I can be of any help. I'd really like to go with someone who has already been to the new trail and campgrounds, I get lost easily. Paul, do you want to go along? I can pick you up if you'd like.

I think someone was looking for the pictures I took from the first retrieval attempt, they can be found in the "files" section labeled "TV02F Capsule and Tree" at the Yahoo groups page. Also, the coords I took at the base of the tree are N 43.54333, W 115.34350. Hope this helps any.

Justin, KD7PIT

4393. Re: [tvnsp] More PCBs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-26 15:43:39 UTC
From: Randy Farley
Topic: 4382 Message: 4393

I will take one Paul.

>>> verhap@... 09/26/02 07:57AM >>>
I have four PCBs for a temperatutre sensor array. I've used this
board with my current flight computer (block 1 CC/PS) sucessfully
and will try it with the MIM-based flight computer at the next
launch. If anyone would like to test that board out, please let me
know. It's $5 also.

I still have a block one CC/PS PCB an several flight termination
units (thermal knife kits). Let me know if you'd like to experiment
with those also.

All kits come with a drilled PCB and directions. I'm asking that
beta testers report back any corrections or claifications to the
directions. I plan to ask Parallax if they'll make the boards once
my book is ready to be published. By the way, I plan to send the
first chapters to them next week.

I plan to shoot the MIM and TT2 boards this weekend.

Paul

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4394. Re: [tvnsp] Re: Recovery Operation

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-26 16:52:38 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4344 Message: 4394

> I'm interested in going along to retrieve the capsule if I can be of
> any help. I'd really like to go with someone who has already been to
> the new trail and campgrounds, I get lost easily. Paul, do you want
> to go along? I can pick you up if you'd like.

I can't make it this week. I have too much to do for Thursday and
Friday's Inservice. Besides, I need to shoot a bunch of PCBs.

Paul

4395. Re: [tvnsp] More PCBs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-26 16:53:22 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4382 Message: 4395

Do you mean temperature sensor array?

Paul

> I will take one Paul.
>
> >>> verhap@... 09/26/02 07:57AM >>>
> I have four PCBs for a temperatutre sensor array. I've used this
> board with my current flight computer (block 1 CC/PS) sucessfully
> and will try it with the MIM-based flight computer at the next
> launch. If anyone would like to test that board out, please let me
> know. It's $5 also.
>
> I still have a block one CC/PS PCB an several flight termination
> units (thermal knife kits). Let me know if you'd like to experiment
> with those also.
>
> All kits come with a drilled PCB and directions. I'm asking that
> beta testers report back any corrections or claifications to the
> directions. I plan to ask Parallax if they'll make the boards once
> my book is ready to be published. By the way, I plan to send the
> first chapters to them next week.
>
> I plan to shoot the MIM and TT2 boards this weekend.
>
> Paul
>
>
>
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4396. Re: [tvnsp] More PCBs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-26 16:59:54 UTC
From: Randy Farley
Topic: 4382 Message: 4396

Yes,one TEMPERATURE sensor array.
Also one Thermal Knife Kit.
Your going to have to publish a catalog of "Paul" kits
soon ;-)

Rand;y

>>> verhap@occ1.sd01.k12.id.us 09/26/02 09:53AM >>>
Do you mean temperature sensor array?

Paul

> I will take one Paul.
>
> >>> verhap@... 09/26/02 07:57AM >>>
> I have four PCBs for a temperatutre sensor array. I've used this
> board with my current flight computer (block 1 CC/PS) sucessfully
> and will try it with the MIM-based flight computer at the next
> launch. If anyone would like to test that board out, please let me
> know. It's $5 also.
>
> I still have a block one CC/PS PCB an several flight termination
> units (thermal knife kits). Let me know if you'd like to experiment
> with those also.
>
> All kits come with a drilled PCB and directions. I'm asking that
> beta testers report back any corrections or claifications to the
> directions. I plan to ask Parallax if they'll make the boards once
> my book is ready to be published. By the way, I plan to send the
> first chapters to them next week.
>
> I plan to shoot the MIM and TT2 boards this weekend.
>
> Paul
>
>
>
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4397. Re: [tvnsp] More PCBs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-26 18:26:10 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4382 Message: 4397

> Yes,one TEMPERATURE sensor array.
> Also one Thermal Knife Kit.
> Your going to have to publish a catalog of "Paul" kits
> soon ;-)

I'll put you done for each.

I was thinking of calling them Near Space Kits, because Stanford University has a line called Space Kits. But that might be a problem with them. So I selected NearSys Kits. NearSys is short for Near Space Systems. I imagine the demand will be high enough that it would make sense for a board house to make the PCBs.

Paul

4398. OnCore

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-26 19:29:48 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4398 Message: 4398

Has anyone recieved their OnCore yet? I'd like to look at trhe cable you recieved with it.

Paul

4399. Re: [tvnsp] OnCore

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-26 18:38:58 UTC
From: John Knapp
Topic: 4398 Message: 4399

Well let you know when I get mine....

JohnK
--- verhap@... wrote:
> Has anyone recieved their OnCore yet? I'd like to
> look at trhe
> cable you recieved with it.
>
> Paul
>

_____
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http://autos.yahoo.com

4400. Computers

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-26 18:40:31 UTC
From: John Knapp
Topic: 4382 Message: 4400

Anymore on working on some computers this weekend? Let
me know, I will fairly flexable on my time.

JohnK

_____
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http://autos.yahoo.com

4401. Re: [tvnsp] OnCore

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-26 20:00:52 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4398 Message: 4401

Do you want to set your's up for near space? There are two serial channels, a power and ground, and other wires for things like 1 PPS on the OnCore. If you decide to build either the MIM flight computer or the TT2 near space tracker, I include directions for wiring up a GPS35. But those directions can be modified to include the OnCore. In fact, with the standard I designed in my system, the OnCore or GPS35 can be swapped out.

Paul

> Well let you know when I get mine....
>
> JohnK
> --- verhap@... wrote:
> > Has anyone recieved their OnCore yet? I'd like to
> > look at trhe
> > cable you recieved with it.
> >
> > Paul
> >
>
>
> _____
> Do You Yahoo!?
> Yahoo! Autos - Get free new car price quotes
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4402. Re: [tvnsp] Computers

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-26 20:01:15 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4382 Message: 4402

I can. Mike, what's a good time to visit?

Paul

> Anymore on working on some computers this weekend? Let
> me know, I will fairly flexable on my time.
>
> JohnK
>
> _____
> Do You Yahoo!?
> Yahoo! Autos - Get free new car price quotes
> http://autos.yahoo.com
>
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> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
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4403. Fwd: Re: Fwd: RE: Recovery Operation

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-26 23:03:48 UTC
From: Tony Barrett
Topic: 4403 Message: 4403

Forwarding per a request from Paul.

>From: <VERHAP@...>
>To: Tony Barrett <tonybarrett@...>
>Date: Thu, 26 Sep 2002 07:39:05 -700
>Subject: Re: Fwd: RE: Recovery Operation
>Priority: normal
>X-mailer: Pegasus Mail for Windows (v3.01d)
>
> > You guys had better exchange phone numbers fast if you are going to make
> > this happen this weekend. If not this weekend, it may not happen at all.
>
>I can't go this weekend, I have an inservice next week and have to
>get my presentation completed.
>
>Dave, How much weight do you have to carry? Is it a two (or more)
>person job?
>
>with the sun setting earlier, you really need to start on the trail by
>sunrise. It takes a long time to drive there, perhaps four hours
>when it's all done. It takes at least another two hours to hike the
>one mile to the tree (it's that bad). Either way, it's going to be a
>long day.
>
>I should be able to go out the following Saturday, but the main road
>will be closed by then.
>
>Paul

4405. KG7CN - Dave at Pine

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-26 23:18:53 UTC
From: John Knapp
Topic: 4403 Message: 4405

Got this from Dave. He is at Pine and wants the
recovery personel to say high when they are up there.
He will listen for you Saturday.

JohnK
KD7HGS

Hi John
No, I'm not receiving any e-mail from the group yet,
and looking at the members list, I still don't show
up. Guess it takes time. Great on another attempt to
recover the balloon. Hope it is successful and safe.
I'm at Pine now, came up Wed to work on a log railing
for the stairs. Pam has to work this weekend so if
folks are coming up to get the balloon, I'll stay up.
Tell them to give me a call on the radio or stop by!
We are going on vacation Oct 4th and going hunting up
Wagontown loop just north of the balloon site, and get
this, I build a cabin in the woods so Pam wants to go
camping in a tent and rough it! Soooo we have a new
tent and I dug out the Coleman stove that hasn't been
used in 20 years ect.
But I'm not going to rough it completely, I got out
the generator, TV.v vcr and we will do it right.
By the way the Air Force Base life support section
uses the area N.W of Dog Creek to train air crew
members in survival, and Pam has got them thinking
about balloon rescue. See if they come up with
anything.
Also got the APRS equipment up here and should get it
going soon.
Enjoy the Fall Dave

_____
Do you Yahoo!?
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http://sbc.yahoo.com

4406. Re: [tvnsp] RE: Recovery Operation

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-26 23:31:53 UTC
From: John Knapp
Topic: 4344 Message: 4406

Dave, you asked me for Dave (KG7CN) email address. It
is kg7cn@....

Sorry to be so late with it.

He will be listening for you on simplex.

JohnK
--- Dave Lastname <boisedave2002@...> wrote:
>
> Jeff thanks so much, this is exactly what i needed,
> really appreciated.
> As a sanity check, on my map the road i should use
> goes up Dog Creek and passes the Dog Creek
> Campground about 1/2 mile after leaving the
> Pine-Featherville road. The distance to your
> parking area is about 3 miles from the
> Pine-Featherville road, and it's about a mile walk
> into the balloon. This seems to corelate well with
> all the info i've been given.
> Thanks for the advice about the water/first aid kit,
> i'm an outdoor freak, i have all the provisions
> under control, but the tought is greatly
> appreciated. And I'll have a pistol to protect me
> from the hunters... uhh i mean the bears.
> If i simply break the capsle and parashoot loose,
> it'll just snag again a little lower, i'm going to
> have to cut off the parashoot, i'm sure it'll be
> destroyed as you mentioned, i'll try not to drop the
> capsel unless i have too... i mean, i'll have 3 dogs
> tied to the base of the tree!!!! And they might
> think it's a chew toy... hee hee. And yes I have
> hunting vests for my dogs too! I'll keep them on a
> leash near me and i'll have a vest as well.
> Hunters... don't get me started.
>
> Okay, looks like i have all the info I need. I'll
> be headed out of Boise at 3:30pm tommorow (Friday).
> I'll be on the 146.52 and try to hook up with
> whoever, specifically i'll try to contact Dave,
> KG7CN. It sounds like Russ cant make it friday
> night, he would rather get up at 6am, which is
> against my religion.
>
>
>

>
>
> Jeff Melanson wrote:Hi Dave,
>
> I'll try to answer your questions below. I will not
> be able
> to go with you this weekend. I hope someone can go
> with you,
> it would be best to have a partner.
>
> Dave wrote:
> >
> > >From what I've been told, I'd better pack a
> hunting vest for me and
> > my dogs!
>
> Yes, take a bright orange vest. There are hunters in
> the
> area where you will start the hike. I don't think
> anyone has
> been where we went. Also be sure to take plenty of
> water,
> you will need it! Take a first aid kit and the other
> usual
> safety items. We did see plenty of bear tracks.
>
> > It would be very helpful if you guys could provide
> the following:
> >
> > 1) A description of how high the craft is up the
> tree
> > approximately. And an approximation of the
> difficulty of the tree
> > (deciduous, coniferous, heavily branched, what's
> the elevation
> > of the lowest branch... that kind of stuff)
>
> The craft is about 100 ft or a little higher in the
> tree.
> You can't see the capsule from under the tree. The
> first
> thing you will see is the parachute which is red and
> white.
> The capsule is more difficult to see. It appears to
> me that
> the capsule is cradled between and slightly above
> two
> branches.
> There are few branches down low and they have cracks
> on the

> bottoms, moss on the tops and are obviously dead.
> These
> branches are about 2 inches in diameter and larger.
> They are
> spread out to far to climb. The one we could reach
> was
> surprisingly strong. I tested it for strength and I
> couldn't
> budge it. I still would not trust these branches.
> About 1/4
> of the way up the tree is where the live branches
> start.
> From that point on it looks easy to climb the
> branches. Not
> to heavily branched. The tree is about 9 to 10 feet
> in
> circumference at the bottom.
>
> > 2) GPS coordinates of the tree.
>
> Tree:
>
> Decimal format: Degrees/minutes format:
>
> N 43.54354 N 43 32.612
> W 115.34368 W 115 20.621
>
> Here are the coordinates of where we parked. This is
> the
> closest you can drive to the capsule which is about
> 1 mile
> from the capsule as the bird fly's.
>
> Decimal Degrees/minutes
>
> N 43.55620 N 43 33.372
> W 115.33224 W 115 19.934
>
> There was some brush that we had to drive through
> that was
> growing into the road from both sides. There are
> fine
> scratches on my truck but my paint is peeling anyway
> so it
> didn't matter to me. A two wheel drive truck will
> work just
> fine. After you park in the open area you will
> notice the
> road seems to continue a little further around a
> corner. The

> road ends here and a game trail gets you started.
>
>
> > 3) terrain, difficulty and distance of the
> approach to the tree.
> > Could it be mtn biked?
>
> The only way in is hiking. A mountain bike is
> useless. The
> first 2/3rds of the terrain is not to bad. Study the
> terrain
> carefully as you hike in and pick the longer gentler
> slopes
> and open terrain. Follow the game trails where
> possible. Be
> sure to track yourself with your GPS. The signal is
> a little
> weak so be sure to stop and get a good position
> update
> often. The last 1/3rd gets steeper and rougher.
> Someone is
> good physical condition would enjoy the challenge.
> If your
> out of shape don't go. The tree is on a slope and
> the area
> around it is open.
>
> > 3) A contact phone number or two I can use while
> I'm out there, if i
> > have trouble finding the tree.
>
> Your cell phone won't work out there. Dave KG7CN can
> monitor
> your activity for the entire hike. We contacted him
> from the
> tree and other places on simplex and had little
> trouble. He
> called John on the phone and kept him updated. It is
> not a
> long distance call for him. He also kept us up to
> date on
> changing weather conditions.
> My phone number is 866-8032.
> Dave has subscribed to this email list. He goes up
> to his
> cabin on weekends. You should contact him before you
> leave
> and make sure he will be there. If he isn't there
> you will
> have no contact with the outside world.

>
> > 4) I have a 2 wheel drive F150 that does just
> fabulous on those
> > roads out there are the roads to the capsule
> considerable worse than
> > the roads in the general area? Am I going to have
> a difficult time
> > driving to the closest point to hike to the craft?
> If the road got
> > too bad, how far would i have to walk (mtn bike?).
>
> You will have no trouble driving your truck to the
> coordinates I gave.
>
>
=== message truncated ===

_____
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http://autos.yahoo.com

4407. Re: [tvnsp] RE: Recovery Operation

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-26 23:41:15 UTC
From: Jeff Melanson
Topic: 4344 Message: 4407

Dave,

Just before you get to Featherville you'll take a left on a road which if I remember right is named Trinity Mountain Road. Go up this road a short distance and you will come to an outhouse. This is where FR 183 starts. Take FR 183 which is part of wagontown loop until you come to a gate that says it will be closed on OCT 1st. As you travel FR 183 you will come to a couple of forks in the road and have to decide which way to go. These forks in the road are not marked. Take the more traveled roads. After you enter the gate there is a couple of more forks in the road. You'll have to use your GPS to get you to where we parked.

I hope this helps. I think it will become more clear as you proceed.

Jeff
KD7INN

4408. Re: [tvnsp] More PCBs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-27 00:06:13 UTC
From: Tim Rynearson
Topic: 4382 Message: 4408
Attachments: 2 described; binary payloads are missing from this source WARC

Paul,
With all these boards you're building, you should go surface mount (even smaller in size!) and let a local company build them for you. Computrol in Meridian is a real good local source with plenty of experience and they (we) are of the philosophy that they can build 1 to 10,000.....
www.computrol.com

Tim, N7UBO......

-------Original Message-------

From: tvnsp@yahoogroups.com
Date: Thursday, September 26, 2002 07:26:11 AM
To: tvnsp@yahoogroups.com; knsp@egroups.com
Subject: [tvnsp] More PCBs

I have four PCBs for a temperatutre sensor array. I've used this board with my current flight computer (block 1 CC/PS) sucessfully and will try it with the MIM-based flight computer at the next launch. If anyone would like to test that board out, please let me know. It's $5 also.

I still have a block one CC/PS PCB an several flight termination units (thermal knife kits). Let me know if you'd like to experiment with those also.

All kits come with a drilled PCB and directions. I'm asking that beta testers report back any corrections or claifications to the directions. I plan to ask Parallax if they'll make the boards once my book is ready to be published. By the way, I plan to send the first chapters to them next week.

I plan to shoot the MIM and TT2 boards this weekend.

Paul

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4409. Re: [tvnsp] RE: Recovery Operation

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-27 00:16:18 UTC
From: Tim Rynearson
Topic: 4344 Message: 4409
Attachments: 2 described; binary payloads are missing from this source WARC

Dave,

on a side-note (sorry, gang, for not sticking to the subject), I too am a hotsprings enthusiast but don't find any between Pine and Featherville in my hot springs book by Evie Litton. Could you provide me with the names and GPS coordinates of the ones between Pine and Featherville ?

Thanx, Tim

-------Original Message-------

From: tvnsp@yahoogroups.com
Date: Thursday, September 26, 2002 08:55:58 AM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] RE: Recovery Operation

Hi Paul,
Yes i plan on camping in the area all weekend, leaving boise friday night. There are many hotsprings in the area, i imagine i'll camp near one of those if you happen to be in the area friday night just look for me on the 146.52 According to my maps there are 3 hotsprings between pine and featherville.

I will be waiting for someone to be present before i head up the tree. I expect this to be around 9-11AM on Saturday. Lets just say i'll be at the base of that tree, and totally ready to go around 8:30 on Saturday cooling my heals waiting for someone to be there in case i get hurt or something. I'm also trying to recruit at least one other climber/caver to come along for technical and safety reasons.
Dave
verhap@... wrote:
Dave, just to check, you plan to spend the night there and leave on the hike on Saturday?

Paul

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4410. Re: [tvnsp] KG7CN - Dave at Pine

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-27 00:27:13 UTC
From: Tim Rynearson
Topic: 4403 Message: 4410
Attachments: 2 described; binary payloads are missing from this source WARC

WOW !!!....Recovery by Air Force Pararescue !!!.....how glorious would THAT would be, huh ?

Tim (Air Force vet)......

-------Original Message-------

From: tvnsp@yahoogroups.com
Date: Thursday, September 26, 2002 04:47:09 PM
To: tvnsp@yahoogroups.com
Subject: [tvnsp] KG7CN - Dave at Pine

Got this from Dave. He is at Pine and wants the
recovery personel to say high when they are up there.
He will listen for you Saturday.

JohnK
KD7HGS

Hi John
No, I'm not receiving any e-mail from the group yet,
and looking at the members list, I still don't show
up. Guess it takes time. Great on another attempt to
recover the balloon. Hope it is successful and safe.
I'm at Pine now, came up Wed to work on a log railing
for the stairs. Pam has to work this weekend so if
folks are coming up to get the balloon, I'll stay up.
Tell them to give me a call on the radio or stop by!
We are going on vacation Oct 4th and going hunting up
Wagontown loop just north of the balloon site, and get
this, I build a cabin in the woods so Pam wants to go
camping in a tent and rough it! Soooo we have a new
tent and I dug out the Coleman stove that hasn't been
used in 20 years ect.
But I'm not going to rough it completely, I got out
the generator, TV.v vcr and we will do it right.
By the way the Air Force Base life support section
uses the area N.W of Dog Creek to train air crew
members in survival, and Pam has got them thinking
about balloon rescue. See if they come up with
anything.
Also got the APRS equipment up here and should get it
going soon.
Enjoy the Fall Dave

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4411. Re: [tvnsp] KG7CN - Dave at Pine

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-27 01:45:37 UTC
From: Jeff Melanson
Topic: 4403 Message: 4411

Paul or John the younger,

Why is Dave KG7CN not listed as a member yet?

Jeff
KD7INN

John Knapp wrote:
>
> Got this from Dave. He is at Pine and wants the
> recovery personel to say high when they are up there.
> He will listen for you Saturday.
>
> JohnK
> KD7HGS
>
> Hi John
> No, I'm not receiving any e-mail from the group yet,
> and looking at the members list, I still don't show
> up. Guess it takes time. Great on another attempt to
> recover the balloon. Hope it is successful and safe.
> I'm at Pine now, came up Wed to work on a log railing
> for the stairs. Pam has to work this weekend so if
> folks are coming up to get the balloon, I'll stay up.
> Tell them to give me a call on the radio or stop by!
> We are going on vacation Oct 4th and going hunting up
> Wagontown loop just north of the balloon site, and get
> this, I build a cabin in the woods so Pam wants to go
> camping in a tent and rough it! Soooo we have a new
> tent and I dug out the Coleman stove that hasn't been
> used in 20 years ect.
> But I'm not going to rough it completely, I got out
> the generator, TV.v vcr and we will do it right.
> By the way the Air Force Base life support section
> uses the area N.W of Dog Creek to train air crew
> members in survival, and Pam has got them thinking
> about balloon rescue. See if they come up with
> anything.
> Also got the APRS equipment up here and should get it
> going soon.
> Enjoy the Fall Dave
>
> _____
> Do you Yahoo!?
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> http://sbc.yahoo.com

>
>
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4412. 300 gram balloon

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-27 02:03:21 UTC
From: Jeff Melanson
Topic: 4412 Message: 4412

Hi TVNSP,

The 300 gram balloon is on order. $15 + $5 S&H.

Warning! We have no experience with this balloon! We don't know how it will perform and I suspect it will exceed predictions like the 200 gram balloon did. I strongly recommend a cutdown device and a landing path that allows a large error in range.

Hank intends to update Liftwin based on the experience we've had with the two 200 gram balloons but I don't know if he can do anything with the 300 gram balloons since we haven't flown them yet.

Jeff
KD7INN

4413. pictures of recovery operation

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-27 06:16:48 UTC
From: Hank
Topic: 4344 Message: 4413

I hope it might be possible to document this event
with pictures.

There would be extraordinary interest by magazines
in some good pictures showing the climbing gear in use
and the bottom of the tree.

Just for my own interest I'd like to see some pictures
that depict the rougher parts of the trail and
actually the forest service road, too.

There is a tendency for amateur photographers to
step too far back to take in the whole scene. Try
to counter that by taking some closeup pictures. For
instance showing just one person even if there are
several there.

Hank

4414. Re: [tvnsp] More PCBs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-27 14:20:10 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4382 Message: 4414

That's a possibility. After I get a couple more tests and talk to
Parallax (they may want first crack at them since they're publishing
the book), I may end up taking them to a local manufacturer.

Paul

> Paul,
> With all these boards you're building, you should go surface mount (even
> smaller in size!) and let a local company build them for you. Computrol in
> Meridian is a real good local source with plenty of experience and they (we)
> are of the philosophy that they can build 1 to 10,000.....
> www.computrol.com
>
> Tim, N7UBO......
>
> -------Original Message-------
>
> From: tvnsp@yahoogroups.com
> Date: Thursday, September 26, 2002 07:26:11 AM
> To: tvnsp@yahoogroups.com; knsp@egroups.com
> Subject: [tvnsp] More PCBs
>
> I have four PCBs for a temperatutre sensor array. I've used this
> board with my current flight computer (block 1 CC/PS) sucessfully
> and will try it with the MIM-based flight computer at the next
> launch. If anyone would like to test that board out, please let me
> know. It's $5 also.
>
> I still have a block one CC/PS PCB an several flight termination
> units (thermal knife kits). Let me know if you'd like to experiment
> with those also.
>
> All kits come with a drilled PCB and directions. I'm asking that
> beta testers report back any corrections or claifications to the
> directions. I plan to ask Parallax if they'll make the boards once
> my book is ready to be published. By the way, I plan to send the
> first chapters to them next week.
>
> I plan to shoot the MIM and TT2 boards this weekend.
>
> Paul
>
>
>
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> .

4415. GPSL 2002 Article

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-27 14:24:47 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4415 Message: 4415

CQ VHF is accepted the GPSL 2002 article for publication. Look for it in their Winter issue.

Paul

4416. Re: [tvnsp] KG7CN - Dave at Pine

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-27 14:30:32 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4403 Message: 4416

?
I've not seen him ask to register. If someone will email his
address, I'll add it.

Paul

> Paul or John the younger,
>
> Why is Dave KG7CN not listed as a member yet?
>
> Jeff
> KD7INN
>
> John Knapp wrote:
> >
> > Got this from Dave. He is at Pine and wants the
> > recovery personel to say high when they are up there.
> > He will listen for you Saturday.
> >
> > JohnK
> > KD7HGS
> >
> > Hi John
> > No, I'm not receiving any e-mail from the group yet,
> > and looking at the members list, I still don't show
> > up. Guess it takes time. Great on another attempt to
> > recover the balloon. Hope it is successful and safe.
> > I'm at Pine now, came up Wed to work on a log railing
> > for the stairs. Pam has to work this weekend so if
> > folks are coming up to get the balloon, I'll stay up.
> > Tell them to give me a call on the radio or stop by!
> > We are going on vacation Oct 4th and going hunting up
> > Wagontown loop just north of the balloon site, and get
> > this, I build a cabin in the woods so Pam wants to go
> > camping in a tent and rough it! Soooo we have a new
> > tent and I dug out the Coleman stove that hasn't been
> > used in 20 years ect.
> > But I'm not going to rough it completely, I got out
> > the generator, TV.v vcr and we will do it right.
> > By the way the Air Force Base life support section
> > uses the area N.W of Dog Creek to train air crew
> > members in survival, and Pam has got them thinking
> > about balloon rescue. See if they come up with
> > anything.
> > Also got the APRS equipment up here and should get it

> > going soon.
> > Enjoy the Fall Dave
> >
> > _____
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> > http://sbc.yahoo.com
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4417. Re: [tvnsp] 300 gram balloon

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-27 14:31:55 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4412 Message: 4417

I've flown 300 gram balloons. the first reached 50,000 feet and the
second 48,000 feet. Payload weights were probably around 12
pounds (warning, the weight is a swag).

Paul
> Hi TVNSP,
>
> The 300 gram balloon is on order. $15 + $5 S&H.
>
> Warning! We have no experience with this balloon! We don't
> know how it will perform and I suspect it will exceed
> predictions like the 200 gram balloon did. I strongly
> recommend a cutdown device and a landing path that allows a
> large error in range.
>
> Hank intends to update Liftwin based on the experience we've
> had with the two 200 gram balloons but I don't know if he
> can do anything with the 300 gram balloons since we haven't
> flown them yet.
>
> Jeff
> KD7INN
>
>
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>
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>

4418. Re: [tvnsp] RE: Recovery Operation

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-27 13:47:23 UTC
From: Randy Farley
Topic: 4344 Message: 4418

Also you will know you are still on the right road when you cross Trail 172. The 2-wheeler trail is marked on the left side of the road. The trail is very distinct showing much use crossing the FR 183 road. You should be within 1.5 miles of the final parking spot from that point.

BTW,there is a hot spring on the bank of the river next to the bridge between Pine and Featherville. The spring feeds into a shallow rock encompassed pool on the river bank.

Please do not go by yourself.
Good Luck.

Randy Farley
N7GPS

>>> kd7inn@... 09/26/02 05:41PM >>>
Dave,

Just before you get to Featherville you'll take a left on a
road which if I remember right is named Trinity Mountain
Road. Go up this road a short distance and you will come to
an outhouse. This is where FR 183 starts. Take FR 183 which
is part of wagontown loop until you come to a gate that says
it will be closed on OCT 1st. As you travel FR 183 you will
come to a couple of forks in the road and have to decide
which way to go. These forks in the road are not marked.
Take the more traveled roads. After you enter the gate there
is a couple of more forks in the road. You'll have to use
your GPS to get you to where we parked.

I hope this helps. I think it will become more clear as you
proceed.

Jeff
KD7INN

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4419. J-Pole

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-27 14:50:26 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4419 Message: 4419

Jeff,, can you email me the URL for the TV twin lead J-Pole that you used? I'd like to reference it in my book. So far I haven't found it on a websearch, but will keep trying.

Paul "very trying" Verhage

4420. Re: [tvnsp] J-Pole

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-27 14:53:33 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4419 Message: 4420

Never mind, I just found it.

Paul "quick to the draw" Verhage

> Jeff,, can you email me the URL for the TV twin lead J-Pole that
> you used? I'd like to reference it in my book. So far I haven't found
> it on a websearch, but will keep trying.
>
> Paul "very trying" Verhage
>
>
> To unsubscribe from this group, send an email to:
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>

4421. Re: [tvnsp] KG7CN - Dave at Pine

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-27 14:01:46 UTC
From: John Knapp
Topic: 4403 Message: 4421

I believe it is kg7cn@....

JohnK
--- verhap@... wrote:
> ?
> I've not seen him ask to register. If someone will
> email his
> address, I'll add it.
>
> Paul
>
> > Paul or John the younger,
> >
> > Why is Dave KG7CN not listed as a member yet?
> >
> > Jeff
> > KD7INN
> >
> > John Knapp wrote:
> > >
> > > Got this from Dave. He is at Pine and wants the
> > > recovery personel to say high when they are up
> there.
> > > He will listen for you Saturday.
> > >
> > > JohnK
> > > KD7HGS
> > >
> > > Hi John
> > > No, I'm not receiving any e-mail from the group
> yet,
> > > and looking at the members list, I still don't
> show
> > > up. Guess it takes time. Great on another
> attempt to
> > > recover the balloon. Hope it is successful and
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> > > I'm at Pine now, came up Wed to work on a log
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> > > for the stairs. Pam has to work this weekend so
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> stay up.
> > > Tell them to give me a call on the radio or stop
> by!

> > > We are going on vacation Oct 4th and going
> hunting up
> > > Wagontown loop just north of the balloon site,
> and get
> > > this, I build a cabin in the woods so Pam wants
> to go
> > > camping in a tent and rough it! Soooo we have a
> new
> > > tent and I dug out the Coleman stove that hasn't
> been
> > > used in 20 years ect.
> > > But I'm not going to rough it completely, I got
> out
> > > the generator, TV.v vcr and we will do it right.
> > > By the way the Air Force Base life support
> section
> > > uses the area N.W of Dog Creek to train air crew
> > > members in survival, and Pam has got them
> thinking
> > > about balloon rescue. See if they come up with
> > > anything.
> > > Also got the APRS equipment up here and should
> get it
> > > going soon.
> > > Enjoy the Fall Dave
> > >
> > >
> _____
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>

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4422. ORB-1

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-27 15:27:16 UTC
From: Harold Mueller
Topic: 4422 Message: 4422

Launch coordinates - 36 22 45.69 / -095 49 55.22.
Time of launch (APPROX) - 10am-12am CDT
Total Wt. - 160g
Lift - Unk at this time
Ascent - 1000 - 1500 ft/mn
Descent - 1200 - 1500 ft/mn
Est. Burst 30k-35k

My time on the phone at work today is very limited and I won't be able to read email, just send a quick note. I just managed to d/l all the data to run projections for tomorrow and will start plugging it into BalTrak. We may have a mobile email connection tomorrow and will try to get a launch update posted.

Harry

4423. Aurora Alert

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-27 16:58:00 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4423 Message: 4423

Watch for possible auroras on beginning Sunday night. Earth may
be buffeted by a solar wind stream on Monday.

Paul

4424. Re: [tvnsp] pictures of recovery operation

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-27 16:41:49 UTC
From: Dave Lastname
Topic: 4344 Message: 4424

I have a digital camera and i'll do my best :)
I'll also encourage russ to take lots of photos.
By the way - I did try that email address for Dave, so I hope I get
a chance to say hello while i'm there (someone said they got dinner out of him!!, hee hee).

Hank wrote:I hope it might be possible to document this event
with pictures.

There would be extraordinary interest by magazines
in some good pictures showing the climbing gear in use
and the bottom of the tree.

Just for my own interest I'd like to see some pictures
that depict the rougher parts of the trail and
actually the forest service road, too.

There is a tendency for amateur photographers to
step too far back to take in the whole scene. Try
to counter that by taking some closeup pictures. For
instance showing just one person even if there are
several there.

Hank

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4425. Re: [tvnsp] RE: Recovery Operation

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-27 16:44:32 UTC
From: Dave Lastname
Topic: 4344 Message: 4425

I will reply directly to Tim with a jpg (image) of the hotsprings in that area.
I get them off of my TOPO map program, with an overlay of the USGS volcanic
survey data.
Here are the coordinates for the 3:
TOPO! GPS Data Format DegMin NAD83 ElevFeet Local-Time
651,43,33.174,-115,16.075,NA,05/14/1999,04:43:39,126 PARADISE HOT SPRINGS
652,43,32.394,-115,17.335,NA,05/14/1999,04:43:39,138 BRIDGE HOT SPRINGS
653,43,29.994,-115,18.535,NA,05/14/1999,04:43:39,75 TOWNE CREEK WARM SPRING

Tim Rynearson wrote:BA285063-5BCE-11D4-AF8D-0050DAC67E110301B5D1-D179-11D6-88D9-449133C100
00repeat#dfdfe40px0pxA5BE2A00-37CC-11D4-BA36-0050DAC680300A5BE2A00-37CC-11D4-BA36-0050DAC6
803016486DDE0-3EFD-11D4-BA3D-0050DAC6803006486DDE0-3EFD-11D4-BA3D-0050DAC680301C3C52140-41
47-11D4-BA3D-0050DAC680300X-ASN,X-ASH,X-AN,X-AP,X-AD;Dave, on a side-note (sorry, gang,
for not sticking to the subject), I too am a hotsprings enthusiast but don't find any
between Pine and Featherville in my hot springs book by Evie Litton. Could you provide me
with the names and GPS coordinates of the ones between Pine and Featherville ? Thanx, Tim
-------Original Message------- From: tvnsp@yahoogroups.comDate: Thursday, September 26,
2002 08:55:58 AMTo: tvnsp@yahoogroups.comSubject: Re: [tvnsp] RE: Recovery Operation
Hi Paul,
Yes i plan on camping in the area all weekend, leaving boise friday night. There are many
hotsprings in the area, i imagine i'll camp near one of those, if you happen to be in the
area friday night just look for me on the 146.52. According to my maps there are 3
hotsprings between pine and featherville.
I will be waiting for someone to be present before i head up the tree. I expect this to be
around 9-11AM on Saturday. Lets just say i'll be at the base of that tree, and totally
ready to go around 8:30 on Saturday cooling my heals waiting for someone to be there in
case i get hurt or something.
I'm also trying to recruit at least one other climber/caver to come along for technical and
safety reasons.
Dave
verhap@... wrote: Dave, just to check, you plan to spend the night there and leave on
the hike on Saturday?

Paul

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4426. Re: [tvnsp] RE: Recovery Operation

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-27 16:52:23 UTC
From: Dave Lastname
Topic: 4344 Message: 4426

Being 100 feet off the ground this seems like a pretty intese/jarring movement.
I'm going to drag it over to me, lower the capsle gently (i have several hundred feet of 200 lb kite string) and put the parashoot in my pocket!
Sudden movements, and coordinated throwing of a long complex object is a very difficult under these conditions.
Tony Barrett wrote:Dave,

If you break it loose you might be able to wad up the parachute and throw
it away from the tree so the chute opens again on the way down. If you
throw it far enough it won't snag a little lower.

Tony

At 07:57 AM 9/26/02 -0700, you wrote:

>Jeff thanks so much, this is exactly what i needed, really appreciated.
>
>As a sanity check, on my map the road i should use goes up Dog Creek and
>passes the Dog Creek Campground about 1/2 mile after leaving the
>Pine-Featherville road. The distance to your parking area is about 3
>miles from the Pine-Featherville road, and it's about a mile walk into the
>balloon. This seems to corelate well with all the info i've been given.
>
>Thanks for the advice about the water/first aid kit, i'm an outdoor freak,
>i have all the provisions under control, but the tought is greatly
>appreciated. And I'll have a pistol to protect me from the hunters... uhh
>i mean the bears.
>
>If i simply break the capsle and parashoot loose, it'll just snag again a
>little lower, i'm going to have to cut off the parashoot, i'm sure it'll
>be destroyed as you mentioned, i'll try not to drop the capsel unless i
>have too... i mean, i'll have 3 dogs tied to the base of the tree!!!! And
>they might think it's a chew toy... hee hee. And yes I have hunting vests
>for my dogs too! I'll keep them on a leash near me and i'll have a vest
>as well. Hunters... don't get me started.
>
>
>
>Okay, looks like i have all the info I need. I'll be headed out of Boise
>at 3:30pm tommorow (Friday). I'll be on the 146.52 and try to hook up
>with whoever, specifically i'll try to contact Dave, KG7CN. It sounds
>like Russ cant make it friday night, he would rather get up at 6am, which
>is against my religion.
>
>
>

>
>
>
>
>
>
>
>
> Jeff Melanson wrote:
>Hi Dave,
>
>I'll try to answer your questions below. I will not be able
>to go with you this weekend. I hope someone can go with you,
>it would be best to have a partner.
>
>Dave wrote:
> >
> > >From what I've been told, I'd better pack a hunting vest for me and
> > my dogs!
>
>Yes, take a bright orange vest. There are hunters in the
>area where you will start the hike. I don't think anyone has
>been where we went. Also be sure to take plenty of water,
>you will need it! Take a first aid kit and the other usual
>safety items. We did see plenty of bear tracks.
>
> > It would be very helpful if you guys could provide the following:
> >
> > 1) A description of how high the craft is up the tree
> > approximately. And an approximation of the difficulty of the tree
> > (deciduous, coniferous, heavily branched, what's the elevation
> > of the lowest branch... that kind of stuff)
>
>The craft is about 100 ft or a little higher in the tree.
>You can't see the capsule from under the tree. The first
>thing you will see is the parachute which is red and white.
>The capsule is more difficult to see. It appears to me that
>the capsule is cradled between and slightly above two
>branches.
>There are few branches down low and they have cracks on the
>bottoms, moss on the tops and are obviously dead. These
>branches are about 2 inches in diameter and larger. They are
>spread out to far to climb. The one we could reach was
>surprisingly strong. I tested it for strength and I couldn't
>budge it. I still would not trust these branches. About 1/4
>of the way up the tree is where the live branches start.
> From that point on it looks easy to climb the branches. Not
>to heavily branched. The tree is about 9 to 10 feet in
>circumference at the bottom.
>

> > 2) GPS coordinates of the tree.
>
>Tree:
>
>Decimal format: Degrees/minutes format:
>
>N 43.54354 N 43 32.612
>W 115.34368 W 115 20.621
>
>Here are the coordinates of where we parked. This is the
>closest you can drive to the capsule which is about 1 mile
>from the capsule as the bird fly's.
>
>Decimal Degrees/minutes
>
>N 43.55620 N 43 33.372
>W 115.33224 W 115 19.934
>
>There was some brush that we had to drive through that was
>growing into the road from both sides. There are fine
>scratches on my truck but my paint is peeling anyway so it
>didn't matter to me. A two wheel drive truck will work just
>fine. After you park in the open area yoNew
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4427. Lesson Plans

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-27 19:35:58 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4299 Message: 4427

John, can you call me and let me know when I could visit to work on the lesson plans?

Does anyone else have input to the lesson plans? Would anyone lese like to work on them?

Mike, are we going to be able to work on PCs this weekend?

Paul

4428. Re: [tvnsp] Lesson Plans

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-27 20:08:27 UTC
From: Randy Farley
Topic: 4299 Message: 4428

Paul
The lesson plan on WBALTRAK was pretty thorough.
Only thing i did not see was any mention of when to
use the AVN model.

Liftwin 0.3
You mention "parachute Weight" on second page as one of the input fields ?
I could not find where to input this weight.
Thought this was part of payload.

The actual inputs that you have control over in the program
is somewhat confusing to me. You start with Balloon type,then jump to payload weight and
dont cover the other menu
bars such as Site Conditions, etc.

I'm more of step by step (with numbers and pictures) in a logical manner type guy i guess.
The program is probably more intuitive to the sharper folks than me ;-)

Hope this helps.

regards

Randy Farley

>>> verhap@... 09/27/02 12:35PM >>>
John, can you call me and let me know when I could visit to work
on the lesson plans?

Does anyone else have input to the lesson plans? Would anyone
lese like to work on them?

Mike, are we going to be able to work on PCs this weekend?

Paul

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4429. Re: [tvnsp] Lesson Plans

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-27 21:15:01 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4299 Message: 4429

I'll work on the lesson plan this weekend to address these issues.
When completed, the plans will give step by step instructions. I
don't have the software installed, so I don't know the fields etc.

Paul

> Paul
> The lesson plan on WBALTRAK was pretty thorough.
> Only thing i did not see was any mention of when to
> use the AVN model.
>
> Liftwin 0.3
> You mention "parachute Weight" on second page as one of the input fields ?
> I could not find where to input this weight.
> Thought this was part of payload.
>
> The actual inputs that you have control over in the program
> is somewhat confusing to me. You start with Balloon type,then jump to payload weight and
dont cover the other menu
> bars such as Site Conditions, etc.
>
> I'm more of step by step (with numbers and pictures) in a logical manner type guy i
guess.
> The program is probably more intuitive to the sharper folks than me ;-)
>
> Hope this helps.
>
>
> regards
>
>
> Randy Farley
>
>
> >>> verhap@... 09/27/02 12:35PM >>>
> John, can you call me and let me know when I could visit to work
> on the lesson plans?
>
> Does anyone else have input to the lesson plans? Would anyone
> lese like to work on them?
>
> Mike, are we going to be able to work on PCs this weekend?
>
> Paul
>

>
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>

4430. Re: Lesson Plans

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-27 21:16:33 UTC
From: Hank
Topic: 4299 Message: 4430

> I'll work on the lesson plan this weekend to address these
> issues. When completed, the plans will give step by
> step instructions. I don't have the software installed, so
> I don't know the fields etc.

Paul,

I had an idea you didn't have the software and were just guessing or going by a distant memory.

Randy is correct that there is no parachute weight field in LIFTWIN. Otherwise what you've written is pretty good, but it could stand some polishing.

I would much prefer that text such as these lesson plans be posted on the TVNSP list in plain text and not any commercial word processor's format. Not using plain ascii just makes it more inaccessible and there is no good reason to post it in anything but plain ascii anyway.

Hank

4431. LIFTWIN lesson plan in plain text

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-27 21:24:12 UTC
From: Hank
Topic: 4299 Message: 4431

Amateur Near Space Software Lesson

Goal
To Become Familiar With Amateur Near Space Software

Objective

To Learn How To Use LIFTWIN To Predict Balloon Ascent Rates,
Burst Altitudes, And Needed Amount Of Helium

Software Notes

A. Where To Get A Copy Of The Software
The LIFTWIN software is available from http://www.eoss.org
LIFTWIN is a program written by Hank Riley. Originally written
in BASIC, Hank has since written the Windows interface to the
program. He makes updates to the program as needed.

B. What Does The Software Do?
Given a balloon size, a payload weight (including parachute weight),
a starting amount of helium, and additional increments in the amount
of helium, LIFTWIN makes a prediction on the free lift of the
balloon, its ascent rate, and maximum altitude.

C. How Does The Software Do It?
The maximum volume of each balloon is specified by its manufacturer.
The lift generated by a volume of helium is determined by the amount
of air the helium displaces (see Chapter Ten, Good To Know).
From the lift generated by the helium, the volume of the balloon,
the balloon's drag, and the weight of the payload, the ascent rate
of the balloon can be determined. From the initial volume of helium,
the pressure of the atmosphere at different altitudes, and the
maximum volume of the balloon, the altitude at which the balloon
bursts can be determined.

D. What Are The Inputs To The Software?

LIFTWIN needs the following inputs

The balloon type to use
The total weight of the payload the balloon is to carry
The starting volume of helium the user wants to begin with
The additional increments of helium to test
The maximum volume of helium to test

All of these fields are input by the user, no data needs to be
downloaded.

E. Where Do You Get The Data To Input?
In the case of LIFTWIN, the user determines the conditions to test. LIFTWIN is a tool for satisfying the user's curiosity. The results indicate the appropriate balloon and volume of helium to use for a particular mission.

F. Inputting Data
After starting the program, the following fields are displayed. In these fields enter the data as explained.

Balloon Type
The various manufactures (Kaysam, Totex, etc) of latex weather balloons are diaplsyed along with the designations ofg their balloons. Typically the designation indicates the weight of their balloons, so use a Totex15 for a 1500 gram Totex balloon

Payload Weight
This is just the weight of the near space capsules and any beacons

Parachute Weight
Here is were you enter the weight of the parachute

Initial Volume Of Helium
LIFTWIN generates a table indicating, free lift, ascent rate, and maximum altitude for a ranghe of helium volumes. The beginning of the range of helium volumes is determined by this field.

Increment Volumes
The number of measurements calculated depends on the incremental volumes specified.

Maximum Volume
The end of the range of volumes to calculate is determined by this field

G. Understanding Outputs

The table generated by LIFTWIN looks like the following

Balloon Diameter Volume Free Lift Ascent Rate Burst Altitude

For each increment of helium you see the ascent rate and maximum altitude the balloon should reach before bursting. From this table can select the appropriate balloon and amount of helium needed for a near space mission. The ascent rate and bursting altitude from this table are used as inputs to the WBALTRAK program.

4432. Re: pictures of recovery operation

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-27 21:33:07 UTC
From: Hank
Topic: 4344 Message: 4432

> I have a digital camera and i'll do my best :)
> I'll also encourage russ to take lots of photos.

Thanks Dave and good luck. If I were in Idaho and not Massachusetts there would be almost no way to stop me from hiking in for this.

Hank

4433. Re: [tvnsp] KG7CN - Dave at Pine

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-28 02:43:34 UTC
From: Lloyd Thomson
Topic: 4403 Message: 4433

I suspect that because the list is now moderated, even though he has signed
up, the moderators have not cleared him for access.

I am sure it will happen soon. Those guys have been a little busy.

Lloyd (the usually lurker)

----- Original Message -----
From: "Jeff Melanson" <kd7inn@...>
To: <tvnsp@yahoogroups.com>
Sent: Thursday, September 26, 2002 7:45 PM
Subject: Re: [tvnsp] KG7CN - Dave at Pine

Paul or John the younger,

Why is Dave KG7CN not listed as a member yet?

Jeff
KD7INN

John Knapp wrote:
>
> Got this from Dave. He is at Pine and wants the
> recovery personel to say high when they are up there.
> He will listen for you Saturday.
>
> JohnK
> KD7HGS
>
> Hi John
> No, I'm not receiving any e-mail from the group yet,
> and looking at the members list, I still don't show
> up. Guess it takes time. Great on another attempt to
> recover the balloon. Hope it is successful and safe.
> I'm at Pine now, came up Wed to work on a log railing
> for the stairs. Pam has to work this weekend so if
> folks are coming up to get the balloon, I'll stay up.
> Tell them to give me a call on the radio or stop by!
> We are going on vacation Oct 4th and going hunting up
> Wagontown loop just north of the balloon site, and get
> this, I build a cabin in the woods so Pam wants to go
> camping in a tent and rough it! Soooo we have a new
> tent and I dug out the Coleman stove that hasn't been
> used in 20 years ect.
> But I'm not going to rough it completely, I got out
> the generator, TV.v vcr and we will do it right.
> By the way the Air Force Base life support section

> uses the area N.W of Dog Creek to train air crew
> members in survival, and Pam has got them thinking
> about balloon rescue. See if they come up with
> anything.
> Also got the APRS equipment up here and should get it
> going soon.
> Enjoy the Fall Dave
>
> _____
> Do you Yahoo!?
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4434. Balloon rescue

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-28 15:54:04 UTC
From: daveidaho1
Topic: 4434 Message: 4434

As of 0930 Dave KC7NFZ is one forth of a mile from the site. Very rough overland trek. Russ, Justin and Ben are driving into trail end.\
Dave at Pine

4435. Re: [tvnsp] Balloon rescue

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-28 16:46:27 UTC
From: Jeff Melanson
Topic: 4434 Message: 4435

Hi Dave,

Thanks for the update. I'll check back for updates every
chance I get.

Jeff
KD7INN

daveidaho1 wrote:
>
> As of 0930 Dave KC7NFZ is one forth of a mile from the site. Very
> rough overland trek. Russ, Justin and Ben are driving into trail end.\
> Dave at Pine
>
>
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4436. Balloon Rescue

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-28 17:55:40 UTC
From: daveidaho1
Topic: 4436 Message: 4436

Dave is in the tree, He had to climb the rope quite aways up before getting into the limbs. Dogs are having fun with the chipmunks.
Dave at Pine

4437. Ballon has been recovered.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-28 19:10:56 UTC
From: daveidaho1
Topic: 4437 Message: 4437

Now Dave has but to get out of the tree!
Dave at Pine

4438. ORB-1 Update

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-28 19:32:27 UTC
From: Harry M
Topic: 4438 Message: 4438

Just a quickie....

ORB-1 was last heard 360 az / 40 el from Chelsea, Ok at approx. 12:30CDT. Signal was getting weak so I assume it was still climbing
and in the strong upper winds and outrunning me. It was on a line from Tulsa through Joplin, Mo and beyond. It is possible that is
still aloft and floating.

Harry

4439. Re: [tvnsp] Ballon has been recovered.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-28 23:27:28 UTC
From: Jeff Melanson
Topic: 4437 Message: 4439

Hi Dave,

I just checked my email and found this good news! It's good
to hear the capsule has been rescued. Have you heard
anything else? Is Dave out of the tree and perhaps back at
camp?

Jeff
KD7INN

daveidaho1 wrote:
>
> Now Dave has but to get out of the tree!
> Dave at Pine
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
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4440. ORB-1 FOUND

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-28 23:46:45 UTC
From: Harry M
Topic: 4440 Message: 4440

ORB-1 Found!

It's Saturday, 5:30 pm CDT. I get a call and a gentleman says, "You know anything about a balloon?". I felt like giving a little Homer Simpson laugh! As it turns out this farmer just returned to his home in Chelsea from the Tulsa State Fair and sees a weird looking package just off his driveway. He takes it into the house to show his wife and she says, "You think we ought to have that thing in the house?". The placard I had on it said, "HARMLESS INSTRUMENT CALL (my area code and number) COLLECT". He was very interested in my explanation about the payload and Amateur Radio. I will return to Chelsea tomorrow to meet him and retreive ORB-1. It seems that the balloon was on its way down at my last fix and in the process of changing location it landed. At that position I was 8-10 miles down range and unable to hear it. I did take some back roads in the direction of my last fix to see if I could hear it, but had no luck and gave up the chase at 1pm CDT. As it turns out I was less than 2 miles from the landing site.

The balloon was only inflated to 24" and at the lift was 5 ounces as weighed at the launch site. This was way less than anticipated. I was the only chaser out there and I did see some pretty country. The track was about 28 miles and quite a bit north of the prediction. One of the disadvantages of being in Tulsa is there is not any good wind data available. Norman, Ok, Lamar, Ok, Springfield, Mo, and Little Rock, Ar are the closest sounding stations. Lamar's data is not always available and Little Rock is way off from what I've seen.

All in all it was a good day!

73 Harry

4441. Re: [tvnsp] ORB-1 FOUND

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-28 23:52:20 UTC
From: Jeff Melanson
Topic: 4440 Message: 4441

Hi Harry,

Do you happen to have any pictures of the capsule? I'd also like to know more about what was in it.

Jeff
KD7INN

> Harry M wrote:
>
> ORB-1 Found!
>
> It's Saturday, 5:30 pm CDT. I get a call and a gentleman
> says, "You know anything about a balloon?". I felt like
> giving a little Homer Simpson laugh! As it turns out this
> farmer just returned to his home in Chelsea from the Tulsa
> State Fair and sees a weird looking package just off his
> driveway. He takes it into the house to show his wife and
> she says, "You think we ought to have that thing in the
> house?". The placard I had on it said, "HARMLESS
> INSTRUMENT CALL (my area code and number) COLLECT". He was
> very interested in my explanation about the payload and
> Amateur Radio. I will return to Chelsea tomorrow to meet
> him and retreive ORB-1. It seems that the balloon was on
> its way down at my last fix and in the process of changing
> location it landed. At that position I was 8-10 miles down
> range and unable to hear it. I did take some back roads in
> the direction of my last fix to see if I could hear it,
> but had no luck and gave up the chase at 1pm CDT. As it
> turns out I was less than 2 miles from the landing site.
>
> The balloon was only inflated to 24" and at the lift was 5
> ounces as weighed at the launch site. This was way less
> than anticipated. I was the only chaser out there and I
> did see some pretty country. The track was about 28 miles
> and quite a bit north of the prediction. One of the
> disadvantages of being in Tulsa is there is not any good
> wind data available. Norman, Ok, Lamar, Ok, Springfield,
> Mo, and Little Rock, Ar are the closest sounding
> stations. Lamar's data is not always available and Little
> Rock is way off from what I've seen.
>
> All in all it was a good day!
>
> 73 Harry
>

>
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4442. Re: [tvnsp] ORB-1 FOUND

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-29 00:34:31 UTC
From: Harry M
Topic: 4440 Message: 4442

Hi Jeff,

I do and I will send the pics to your email addy. I don't think I can attach on the list here.

The capsule is 1/2" thick pink Owens-Corning insulation foam, laminated to make it 6"x6". I only had the 1/2" stuff laying around.
It does come in 2" thickness. I sprayed the mating surfaces with light coats of 3M Super 77 adhesive and stuck all but the center
two together. Between the two center pieces and close to the bottom I made a cutout for the 2 chip xmtr and 9v battery. The positive
lead of the antenna was routed through a stiff plastic control rod that is used in model rc planes and protrudes out the top of the
package. The negative lead of the antenna is just left to hang out the bottom. At launch I open the two halves, plug in the battery,
close it and tape it. It is mostly self righting and will float. We have a lot of lakes in NE Oklahoma. The flight today over flew
one of the big ones and landed just 8 miles beyond it.

73 Harry

> Do you happen to have any pictures of the capsule? I'd also
> like to know more about what was in it.
>
> Jeff
> KD7INN

4443. Balloon rescur crew

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-29 00:56:57 UTC
From: daveidaho1
Topic: 4443 Message: 4443

All have departed my place in good shape,headed home except Dave. He is going to the hot spring then camp.
Dave at Pine

4444. OnCore

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-29 02:42:26 UTC
From: Harry M
Topic: 4398 Message: 4444

Did anyone who won more than 2 Encore's from the Larry Stephens Electronic Comp on eBay get there shipment yet? If you did, did you
get the correct number of units? I was supposed to get two. The invoice in the box said two, but I only got one. I have emailed them
and wait to see what their reply is.

Harry

* What are the pinouts?

4445. TV02F Recovered

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-29 03:44:47 UTC
From: Justin Formolo
Topic: 4445 Message: 4445

Hi Group,

Just wanted to let everyone know that Ben and myself made it home alright, around 8:30pm. We did recover the capsule and it's currently sitting at my house. I took 54 pictures total, using all 4 diskettes that I had, but Russ took quite a few also. Tomorrow I need to take out the buffer and give the rig a quick rubbing, the last part of the road really left an impression....on the paint! Glad to be able to go out there, meet a few more hams, and finally close the chapter on TV02F.

Justin, KD7PIT

4446. Re: [tvnsp] TV02F Recovered

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-29 04:36:02 UTC
From: Bill Herrmann
Topic: 4445 Message: 4446

At 03:44 AM 9/29/02 +0000, Justin wrote:
>We did recover the capsule and it's currently sitting at my house.

Way to go Dave!

>I took 54 pictures total, using all 4 diskettes that I had, but Russ took
>quite a few also.

I hope that those will be posted on the web site. (I can't get at them if
they go in the yahoogroups shared files and I'm sure there are others that
can't either.) I'd sure like to see those!

Bill

4447. Re: [tvnsp] TV02F Recovered

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-29 05:12:42 UTC
From: Jeff Melanson
Topic: 4445 Message: 4447

Justin,

What is the condition of the capsule. Is it wet? Did you
open it up and inspect it?

Jeff
KD7INN

Justin Formolo wrote:
>
> Hi Group,
>
> Just wanted to let everyone know that Ben and myself made it home
> alright, around 8:30pm. We did recover the capsule and it's
> currently sitting at my house. I took 54 pictures total, using all 4
> diskettes that I had, but Russ took quite a few also. Tomorrow I
> need to take out the buffer and give the rig a quick rubbing, the
> last part of the road really left an impression....on the paint!
> Glad to be able to go out there, meet a few more hams, and finally
> close the chapter on TV02F.
>
> Justin, KD7PIT
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

4448. Re: [tvnsp] TV02F Recovered

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-29 16:07:46 UTC
From: John Knapp
Topic: 4445 Message: 4448

Kudos to everyone that helped with the capsule recovery: Dave, Justin, Ben, and Russ (I think I have everyone). Especially Dave, the tree climber.

It is nice to be able to close the chapter on this flight.

Don't forget the meeting Friday night at the Jade Garden.

JohnK
KD7HGS

--- Justin Formolo <J_Formolo@...> wrote:
> Hi Group,
>
> Just wanted to let everyone know that Ben and myself
> made it home
> alright, around 8:30pm. We did recover the capsule
> and it's
> currently sitting at my house. I took 54 pictures
> total, using all 4
> diskettes that I had, but Russ took quite a few
> also. Tomorrow I
> need to take out the buffer and give the rig a quick
> rubbing, the
> last part of the road really left an
> impression....on the paint!
> Glad to be able to go out there, meet a few more
> hams, and finally
> close the chapter on TV02F.
>
> Justin, KD7PIT
>
>

Do You Yahoo!?
Yahoo! Autos - Get free new car price quotes
http://autos.yahoo.com

4449. Re: TV02F Recovered

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-29 16:48:04 UTC
From: Justin Formolo
Topic: 4445 Message: 4449

> What is the condition of the capsule. Is it wet? Did you
> open it up and inspect it?

Jeff, the capsule looks to be in the same shape as the day you let go of it. The only thing I noticed was the pink on the capsule appears to have some slight sun fade to it. It will be interesting to see the data on the termocrone you put in it. If you can send me a personal email address to J_Formolo@..., I will take a few pictures here and send them to you. Dave, KG7CN, had a good idea for your capsule that he brought up. The capsule had no identification anywhere, so maybe have your callsign sewn onto the side or something.

Justin, KD7PIT

4450. Re: [tvnsp] TV02F Recovered

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-29 16:50:56 UTC
From: Harry M
Topic: 4445 Message: 4450

Congrats on a safe recovery!

Harry
KC5TRB

4452. Re: [tvnsp] ATV Crystal

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-29 17:08:20 UTC
From: Harry M
Topic: 4076 Message: 4452

Thanks Tony, I did get one from them, then the PA shorted and I have one of them on the way.

Harry

> Hello Harry,
>
> I don't have one to spare, but you can get a 54.25000 crystal from
> sales@... for $9.50. Close enough?
>
> 73,
>
> Tony

4455. Future Tree Rescue Aid

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-29 17:47:31 UTC
From: Tony Barrett
Topic: 4455 Message: 4455

Hey Gang,

What about a second cut down device on future flights between the parachute and the capsule? Then when he parachute gets caught in the tree we just send the command to release the payload.

We've seen the gear (most of it) survive 60,000 foot falls without parachutes. 50 feet can't be that bad if we're standing there with a net and hard hats to catch it. Probably has lots of drawbacks, but something to think about.

N7MTZ

4456. GARMIN Rino 110-120

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-29 18:00:18 UTC
From: Russ Dunn
Topic: 4456 Message: 4456
Attachments: 18 described; binary payloads are missing from this source WARC

GARMIN: Rino 110/120I stumbled across this just now. When we get direction finding in ham gear, we'll have something far more useful.

http://www.garmin.com/products/rino/

Russ
N7SMA

Home > Products> Outdoor > Rino 110/120

Sneak Peek

Enlarge image
360° Product View

More screens info >>

> Peer-to-Peer Positioning
This patented technology makes it possible to transmit your location to a friend or family member, showing them the distance and bearing from your position to theirs on a Rino display. This could be a life-saving feature in an outdoor emergency by helping rescuers pinpoint your location-or it could be used simply for rounding up the family at an amusement park or ski resort.

GPS-Integrated FRS/GMRS Radios
GARMIN International is proud to introduce its first two GPS-enabled handheld devices for the Family Radio Service (FRS) and high-performance General Mobile Radio Service (GMRS) markets - the Rino 110 and Rino 120. These GPS devices integrate radio functionality to provide two-way communications up to two miles using FRS channels and up to five miles using GMRS channels.

Inspired by the distinctive offset FRS and GPS antennas that give the devices their Rhinoceros-like appearance, GARMIN designed the Rino series as powerful, robust Radios Integrated with Navigation for the Outdoors. They are also the only waterproof two-way radios on the market.

What really separates the Rino from the rest of the FRS herd is the ability to "beam" your exact location to another Rino user within a two-mile range using the FRS spectrum. This important feature is called Peer-to-Peer Positioning (see box at right for additional information).

The Rino boasts GARMIN's traditional tough, lightweight, waterproof design to handle the rigors of any outdoor adventure. And because the Rino has standard FRS capabilities, you can talk to friends or family who own conventional FRS radios.

Rino 110
In its bright yellow case, the Rino 110 offers standard FRS features like 14 channels, 38

squelch codes, and external voice activation (VOX). It also incorporates GARMIN's powerful 12-channel GPS receiver for position accuracy of less than 10 feet when enabled to receive enhanced GPS data from the Wide Area Augmentation System (WAAS). The Rino 110 has standard navigation features like extensive waypoint storage, TracBack technology, multiple position formats (including MGRS and Loran TD) and a built-in trip computer.

(Suggested retail price: $194.27)

Rino 120
The olive-colored Rino 120 takes all the features of the Rino 110 and adds a basemap of North and South America that includes major cities, highways, thoroughfares, rivers, lakes, coastlines, state and national borders, and railways. The Rino 120 has eight megabytes of internal memory for downloadable cartography from GARMIN's exclusive line of MapSource CD-ROMs - providing topographic, bathymetric, and street-level map information. It also incorporates a voice scrambler for secure communications and a vibration mode for "silent" calls from other Rino users.

(Suggested retail price: $267.84)

Other specific features of the Rino 110 and Rino 120:

a.. Ergonomic design for one-hand operation, with Call, Press-To-Talk (PTT) and Mode buttons on the side, Power/Backlighting button on top, and dedicated map zoom buttons in front
b.. Centrally located "click stick" allows for channel selection and volume adjustment in FRS mode and quick map panning, enter and selection functions in GPS mode
c.. Quad-helix GPS antenna and 12-channel parallel receiver for accuracy of 20 feet or less in normal mode, 10 feet or less when WAAS-enabled
d.. Waterproof construction to IPX-7 standards (immersible in one meter of water for up to 30 min.)
e.. Storage of up to 500 waypoints, with graphic identification, and 20 reversible routes
f.. More than 10 position formats and over 100 map datums
g.. Trip computer with speed tracking, sunrise/sunset read out, trip timer and trip distance
h.. Clock, stopwatch and alarm functions
i.. High-resolution display with 160x160 pixels
j.. Battery life of 15 hours (typical use) on three AA batteries
k.. Backlit display
l.. Lightweight design: Rino 110 weighs 8 oz.; Rino 120 weighs 8.5 oz.
The Rino 110 will ship standard with a lanyard, belt clip and user's manual. The Rino 120 package will include all that is offered with the Rino 110, plus a PC interface cable.

Canadian customers: Units sold into Canada will only use the FRS channels. The GMRS channels will not be activated. Canadian models are pending formal Canadian government approval and will not be available until November.

Rino 110/120 Expected Availability: September 2002

TOP
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Privacy Statement

4457. Re: [tvnsp] Future Tree Rescue Aid

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-29 19:16:04 UTC
From: John Knapp
Topic: 4455 Message: 4457

Hmmm..... I wonder if the tree would ignite also????

JohnK
--- Tony Barrett <tonybarrett@...> wrote:
> Hey Gang,
>
> What about a second cut down device on future
> flights between the parachute
> and the capsule? Then when he parachute gets caught
> in the tree we just
> send the command to release the payload.
>
> We've seen the gear (most of it) survive 60,000 foot
> falls without
> parachutes. 50 feet can't be that bad if we're
> standing there with a net
> and hard hats to catch it. Probably has lots of
> drawbacks, but something
> to think about.
>
> N7MTZ
>
>

_____
Do you Yahoo!?
New DSL Internet Access from SBC & Yahoo!
http://sbc.yahoo.com

4458. Re: [tvnsp] Future Tree Rescue Aid

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-29 19:35:55 UTC
From: Tony Barrett
Topic: 4455 Message: 4458

Not likely. The heat is very localized, and we can melt the cord at a much lower temperature than you can ignite wood (451 degrees F). And if we really are worried about this we could go with a mechanical cut-down device like a spring loaded guillotine blade with a solenoid release.

At 12:16 PM 9/29/02 -0700, you wrote:
>Hmmm..... I wonder if the tree would ignite also????
>
>JohnK
>--- Tony Barrett <tonybarrett@...> wrote:
> > Hey Gang,
> >
> > What about a second cut down device on future
> > flights between the parachute
> > and the capsule? Then when he parachute gets caught
> > in the tree we just
> > send the command to release the payload.
> >
> > We've seen the gear (most of it) survive 60,000 foot
> > falls without
> > parachutes. 50 feet can't be that bad if we're
> > standing there with a net
> > and hard hats to catch it. Probably has lots of
> > drawbacks, but something
> > to think about.
> >
> > N7MTZ
> >
> >
>
>
>_____
>Do you Yahoo!?
>New DSL Internet Access from SBC & Yahoo!
><http://sbc.yahoo.com>http://sbc.yahoo.com
>
>To unsubscribe from this group, send an email to:
>tvnsp-unsubscribe@egroups.com
>
>
>
>Your use of Yahoo! Groups is subject to the
><http://docs.yahoo.com/info/terms/>Yahoo! Terms of Service.

4459. Re: [tvnsp] Future Tree Rescue Aid

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-29 20:38:34 UTC
From: Zack Clobes
Topic: 4455 Message: 4459

Was this payload hanging by the parachute, or was the capsule and its
rigging snagged also?

Zack Clobes, W0ZC
Project: Traveler
www.rckara.org/

----- Original Message -----
From: "Tony Barrett" <tonybarrett@...>
To: <tvnsp@yahoogroups.com>
Sent: Sunday, September 29, 2002 12:47 PM
Subject: [tvnsp] Future Tree Rescue Aid

> Hey Gang,
>
> What about a second cut down device on future flights between the
parachute
> and the capsule? Then when he parachute gets caught in the tree we just
> send the command to release the payload.
>
> We've seen the gear (most of it) survive 60,000 foot falls without
> parachutes. 50 feet can't be that bad if we're standing there with a net
> and hard hats to catch it. Probably has lots of drawbacks, but something
> to think about.
>
> N7MTZ
>
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>

4460. ORB-1 HOME SAFE with BONUS

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-29 23:10:27 UTC
From: Harry M
Topic: 4460 Message: 4460

I drove to Chelsea, Ok today and met the gentleman who found ORB-1. He was very nice and even placed the package as he found it
yesterday. It was intact and still xmt'g. I have pics to be posted, but technical dificulties are preventing me from U/L them. My
ISP tech. sup. will work on it tomorrow.

On my way home one of the HAM's who helped briefly yesterday asked me to detour to his QTH. He made a sizeable donation of helium. I
left with 10-10 lb tanks and 11-5 lb tanks. Tha't's all I had room for. There are still 20-10 lb tanks and as many 5lb tanks left
that I will get at another time.

It has been a good weekend!

Harry
KC5TRB

4461. Re: [tvnsp] Future Tree Rescue Aid

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-30 01:49:14 UTC
From: Tony Barrett
Topic: 4455 Message: 4461

Hey Zack,

Not certain about this time, but I think it was hanging just by the parachute. Of course, next time, it could be hanging just by the chute, or all the lines could be tangled, but an under chute cut-down device would give us an option we didn't have this time.

I'll have to check with Dave, the tree-climbing-rescuer, to know how it was snagged. I think the people that first saw it said it was just hanging by the chute, but can't be sure.

73,

Tony

At 03:38 PM 9/29/02 -0500, you wrote:
>Was this payload hanging by the parachute, or was the capsule and its
>rigging snagged also?
>
>Zack Clobes, W0ZC
>Project: Traveler
>www.rckara.org/
>
>----- Original Message -----
>From: "Tony Barrett" <tonybarrett@...>
>To: <tvnsp@yahoogroups.com>
>Sent: Sunday, September 29, 2002 12:47 PM
>Subject: [tvnsp] Future Tree Rescue Aid
>
>
> > Hey Gang,
> >
> > What about a second cut down device on future flights between the
>parachute
> > and the capsule? Then when he parachute gets caught in the tree we just
> > send the command to release the payload.
> >
> > We've seen the gear (most of it) survive 60,000 foot falls without
> > parachutes. 50 feet can't be that bad if we're standing there with a net
> > and hard hats to catch it. Probably has lots of drawbacks, but something
> > to think about.
> >
> > N7MTZ
> >
> >
> >

> > To unsubscribe from this group, send an email to:
> > tvnsp-unsubscribe@egroups.com
> >
> >
> >
> > Your use of Yahoo! Groups is subject to
> <http://docs.yahoo.com/info/terms/>http://docs.yahoo.com/info/terms/
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>To unsubscribe from this group, send an email to:
>tvnsp-unsubscribe@egroups.com
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>
>
>Your use of Yahoo! Groups is subject to the
><http://docs.yahoo.com/info/terms/>Yahoo! Terms of Service.

4462. Re: [tvnsp] Future Tree Rescue Aid

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-30 02:03:00 UTC
From: Jeff Melanson
Topic: 4455 Message: 4462

Hi,

Well have to ask Dave to be sure but when I was it from the
ground it looked like it was hanging by the load line.
This was a 2.3 pound payload and adding a cutdown device
with a reciever for remote control would add to much weight
for the 24" parachute. In addition the capsule would simply
have fallen into the branches below it.
A better use of cutdowm devices on larger capsules is to
terminate the flight when conditions call for it.

Jeff
KD7INN

Tony Barrett wrote:
>
> Hey Zack,
>
> Not certain about this time, but I think it was hanging just by the
> parachute. Of course, next time, it could be hanging just by the chute, or
> all the lines could be tangled, but an under chute cut-down device would
> give us an option we didn't have this time.
>
> I'll have to check with Dave, the tree-climbing-rescuer, to know how it was
> snagged. I think the people that first saw it said it was just hanging by
> the chute, but can't be sure.
>
> 73,
>
> Tony
>
> At 03:38 PM 9/29/02 -0500, you wrote:
> >Was this payload hanging by the parachute, or was the capsule and its
> >rigging snagged also?
> >
> >Zack Clobes, W0ZC
> >Project: Traveler
> >www.rckara.org/
> >
> >----- Original Message -----
> >From: "Tony Barrett" <tonybarrett@...>
> >To: <tvnsp@yahoogroups.com>
> >Sent: Sunday, September 29, 2002 12:47 PM
> >Subject: [tvnsp] Future Tree Rescue Aid
> >
> >

> > > Hey Gang,
> > >
> > > What about a second cut down device on future flights between the
> >parachute
> > > and the capsule? Then when he parachute gets caught in the tree we just
> > > send the command to release the payload.
> > >
> > > We've seen the gear (most of it) survive 60,000 foot falls without
> > > parachutes. 50 feet can't be that bad if we're standing there with a net
> > > and hard hats to catch it. Probably has lots of drawbacks, but something
> > > to think about.
> > >
> > > N7MTZ
> > >
> > >
> > >
> > > To unsubscribe from this group, send an email to:
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> > >
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> >
> >Your use of Yahoo! Groups is subject to the
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>
>
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4463. New file uploaded to tvnsp

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-30 02:11:53 UTC
From: tvnsp@yahoogroups.com
Topic: 794 Message: 4463

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the tvnsp
group.

File : /TV02F Capsule and Tree/Mvc-487f.jpg
Uploaded by : jmel36 <jmel36@...>
Description : Capsule and Parachute.

You can access this file at the URL

http://groups.yahoo.com/group/tvnsp/files/TV02F%20Capsule%20and%20Tree/Mvc-487f.jpg

To learn more about file sharing for your group, please visit

http://help.yahoo.com/help/us/groups/files

Regards,

jmel36 <jmel36@...>

4464. Re: [tvnsp] New file uploaded to tvnsp

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-30 02:16:28 UTC
From: Jeff Melanson
Topic: 3022 Message: 4464
Attachments: 1 described; binary payloads are missing from this source WARC

Hi all,

The name of the file has changed. I uploaded four pictures to the files area under the folder of TV02F. Thanks Justin for the pictures.

Attached is one of the pictures for those of you who can't get to the yahoo files area.

Jeff
KD7INN

4465. Re: [tvnsp] New file uploaded to tvnsp

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-30 03:24:37 UTC
From: Bill Herrmann
Topic: 3022 Message: 4465

At 08:16 PM 9/29/02 -0600, you wrote:
>Attached is one of the pictures for those of you who can't
>get to the yahoo files area.

Thanks! Can't wait to see the actual recovery effort. We're sure glad you were able to get your equipment back Jeff.

Hank - Have you been able to figure an error factor based on the two flights with 200gm balloons? It seems like you might be able to work from the starting data and the known burst altitude to figure out how far off the burst volume is.

Bill

4466. Re: [tvnsp] TV02F Recovered

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-30 13:42:53 UTC
From: Randy Farley
Topic: 4445 Message: 4466

Great Job everyone.
Can't wait to hear Dave's side of the story now.

>>> J_Formolo@... 09/28/02 09:44PM >>>
Hi Group,

Just wanted to let everyone know that Ben and myself made it home
alright, around 8:30pm. We did recover the capsule and it's
currently sitting at my house. I took 54 pictures total, using all 4
diskettes that I had, but Russ took quite a few also. Tomorrow I
need to take out the buffer and give the rig a quick rubbing, the
last part of the road really left an impression....on the paint!
Glad to be able to go out there, meet a few more hams, and finally
close the chapter on TV02F.

Justin, KD7PIT

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tvnsp-unsubscribe@egroups.com

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4467. Re: [tvnsp] TV02F Recovered

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-30 14:56:48 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4445 Message: 4467

Let's get the full story of the rescue. How's everyone doing? Good work all. I wish we had known about Dave two weeks ago, the last time we went out.

Idaho certainly makes TVNSP more, ummm, interesting.

Paul

4468. Re: [tvnsp] Re: TV02F Recovered

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-30 15:05:41 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4445 Message: 4468

Justin, can I arrange to stop by and pick up the capsule? I'd like to download the Thermochron data and post it. I would like to add the temperature profile for the lunch bag capsules in my book.

Paul

4469. Lesson Plans

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-30 15:10:09 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4299 Message: 4469
Attachments: 4 described; binary payloads are missing from this source WARC

Here's the updated lesson plans for Liftwin and Balloon Track.
Please look them over and make recommendations. John the
Elder and I whipped them into shape on Saturday. Thanks John.
We ran through the whole process of installing the software to
using it to make predictions. The idea was to look for gotchas and
make sure the directions were complete enough for a first timer to
make a useful prediction.

Paul

4470. Jeff, Email me

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-30 15:11:42 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4470 Message: 4470

Jeff, can you email me off-lione or give me a phone call?

Paul

4471. OnCore VP

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-30 15:18:21 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4471 Message: 4471
Attachments: 2 described; binary payloads are missing from this source WARC

Attached is the section from my book on the OnCore. You'll find the basics of wiring upt eh OnCore and sending commands to it. John, we'll wire your's up when you're ready. I have a Tiny Track PCB for you. Please order one from the Byonics website. By the way, do you have an airframe?
;)

Paul

4472. OnCore II

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-30 15:58:37 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4472 Message: 4472

You need to check the back up battery on the OnCore. Does it have a charge? If not, the empheris will not be saved. There is a pin for external backup power. The first time you power them up, it may take time to get a valid fix.

Paul

4473. Re: [tvnsp] Lesson Plans

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-30 15:35:46 UTC
From: Randy Farley
Topic: 4299 Message: 4473

Paul
The Balloon Track lesson plans looked fine too me.
Will go over Liftwin when i get more time here at work.

>>> verhap@... 09/30/02 08:10AM >>>
Here's the updated lesson plans for Liftwin and Balloon Track.
Please look them over and make recommendations. John the
Elder and I whipped them into shape on Saturday. Thanks John.
We ran through the whole process of installing the software to
using it to make predictions. The idea was to look for gotchas and
make sure the directions were complete enough for a first timer to
make a useful prediction.

Paul

To unsubscribe from this group, send an email to:
tvnsp-unsubscribe@egroups.com

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4474. PCBs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-30 16:44:43 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4474 Message: 4474

I ahve everyone's PCB's done, except for Harry's. I'll shoot your's tonight. Don and Mark C., Send me a check for your PCBs.

Paul Verhage
207 Crestline #3
Caldwell, ID 83605

4475. Re: TV02F Recovered

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-30 15:45:41 UTC
From: Justin Formolo
Topic: 4445 Message: 4475

--- In tvnsp@y..., <verhap@o...> wrote:
> Justin, can I arrange to stop by and pick up the capsule? I'd like
to
> download the Thermochron data and post it. I would like to add the
> temperature profile for the lunch bag capsules in my book.
>
> Paul

What time are you thinking about getting it?

Justin

4476. Re: [tvnsp] Re: TV02F Recovered

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-30 16:58:54 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4445 Message: 4476

> What time are you thinking about getting it?

I'll be home by about 5:00 PM. Any time after you dinner will work
for me.

Paul

4477. More PCBs and a Beacon

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-30 17:04:30 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4477 Message: 4477

I have a few more PCBs and documentation to get rid of. I have 2
more temperature sensor arrays, 1 block one CC/PS (which I think
Don is interested in), and 3 flight termination units (thermal knives).

I'll have 4 more beacons this week to get rid of also. The beacons
send CW over an HT. You can program them to send data
constantly or after a delay. There's two boards in a kit. One is
stand alone and uses a Stamp 1. The other is made to be used by
a flight computer.

If you're interested in any of these, please let me know. They're $5
and you need to give me input on the dseign and documentation.

Paul

4478. Meteor Shower

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-30 17:30:38 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4478 Message: 4478

The Leonids will occur on Tuesday morning, 19 November. There
will be a full moon, but the shower is predicted to be so active, we'll
still lots of meteors. However, it's best if we can find a location
with a tall mountain to the west to block the moon light.

Is anyone interested in seeing the shower? Can someone think of
a good location for viewing?

Paul

4479. Mark's Video

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-30 17:33:13 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4479 Message: 4479

Mark conner has a great video at
http://68.13.112.250:14480/NSTAR02E/NSTAR02E-ground.rm

I'd like to see TVNSP do somethin similiar. Last week I talked to
the VP at the school. We have the tools to digitize the video here
and I'll be allowed to do it.

Please watch Mark's video and make suggestions for what we
should include in ours.

Paul

4480. Jeff's Caspule and Batteries

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-30 19:41:49 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4480 Message: 4480

Jeff, do you recall the mAh rating of your batteries? Did we measure your capsule's current draw? I'd like to add some real examples to my book. I'm currently completing a section on batteries.

Paul

4481. etrex questions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-30 18:51:47 UTC
From: K. Mark Caviezel
Topic: 4481 Message: 4481

Question for kd7pit -

I see you uploaded a log of the tv02f flight , was this a data dump from the etrex ? how did you do this ?

also, the etrex manual mentions the battery saver mode, but doesn't tell you what it does (ok ok, it saves batteries, but how much does it degrade performance??), is there a source of etrex data that surpasses the brochure that came with it ?

73's de KMC kc0jhq, Denver

Do you Yahoo!?
New DSL Internet Access from SBC & Yahoo!
http://sbc.yahoo.com

4482. PCB Was, Re: [tvnsp] etrex questions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-30 19:59:43 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4481 Message: 4482

Mark, did you see my message that your board is ready?

Paul

4483. RE: [tvnsp] Meteor Shower

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-30 19:16:49 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 4478 Message: 4483

For a local setup, how about at the east base of Initial Point? That has it pretty much flat in all directions away, good road all the way in. Just go past and as far past the butte as you want to go for moon blocking purposes.

Bill B.

-----Original Message-----
From: verhap@... [mailto:verhap@...]
Sent: Monday, September 30, 2002 4:31 AM
To: tvnsp@yahoogroups.com
Subject: [tvnsp] Meteor Shower

The Leonids will occur on Tuesday morning, 19 November. There will be a full moon, but the shower is predicted to be so active, we'll still lots of meteors. However, it's best if we can find a location with a tall mountain to the west to block the moon light.

Is anyone interested in seeing the shower? Can someone think of a good location for viewing?

Paul

4484. New file uploaded to tvnsp

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-30 19:22:47 UTC
From: tvnsp@yahoogroups.com
Topic: 794 Message: 4484

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the tvnsp
group.

File : /TVNSPF-RESCUE/TheArea-AndTVNSPF.jpg
Uploaded by : boisedave2002 <boisedave2002@...>
Description :

You can access this file at the URL

http://groups.yahoo.com/group/tvnsp/files/TVNSPF-RESCUE/TheArea-AndTVNSPF.jpg

To learn more about file sharing for your group, please visit

http://help.yahoo.com/help/us/groups/files

Regards,

boisedave2002 <boisedave2002@...>

4485. Lots of pictures uploaded to files directory "/TVNSPF-RESCUE"

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-30 19:27:28 UTC
From: Dave Lastname
Topic: 4485 Message: 4485

I've put lots of pictures in the files directory "/TVNSPF-RESCUE"
It's all from my perspective, not alot of pictures of me climbing naturally, there hard to take of yourself :)
I've been slammed today, i'll try to post a few lines of how it went soon.
That "one mile hike" was pretty brutal. We had a great time.
Dave

Note: forwarded message attached.

Do you Yahoo!?
New DSL Internet Access from SBC & Yahoo!

4486. Re: [tvnsp] Future Tree Rescue Aid

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-30 19:33:42 UTC
From: Dave Lastname
Topic: 4455 Message: 4486

I snagged it with a branch i broke off, and pulled the craft too me, and the load line was just barely snagging the branches, (probably the poped balloon getting stuck in the branches). It only took a gental pull and it just came free. A second cutdown device seperating the parashoot would have worked in this case.
There is a good picture of the craft hanging in the tree in TVNSPF-RESCUE directory under "files".
sorry for the spelling, in a hurry :)
Jeff Melanson wrote:Hi,

Well have to ask Dave to be sure but when I was it from the
ground it looked like it was hanging by the load line.
This was a 2.3 pound payload and adding a cutdown device
with a reciever for remote control would add to much weight
for the 24" parachute. In addition the capsule would simply
have fallen into the branches below it.
A better use of cutdowm devices on larger capsules is to
terminate the flight when conditions call for it.

Jeff
KD7INN

Tony Barrett wrote:
>
> Hey Zack,
>
> Not certain about this time, but I think it was hanging just by the
> parachute. Of course, next time, it could be hanging just by the chute, or
> all the lines could be tangled, but an under chute cut-down device would
> give us an option we didn't have this time.
>
> I'll have to check with Dave, the tree-climbing-rescuer, to know how it was
> snagged. I think the people that first saw it said it was just hanging by
> the chute, but can't be sure.
>
> 73,
>
> Tony
>
> At 03:38 PM 9/29/02 -0500, you wrote:
> >Was this payload hanging by the parachute, or was the capsule and its
> >rigging snagged also?
> >
> >Zack Clobes, W0ZC
> >Project: Traveler
> >www.rckara.org/
> >

> >----- Original Message -----
> >From: "Tony Barrett" <tonybarrett@...>
> >To: <tvnsp@yahoogroups.com>
> >Sent: Sunday, September 29, 2002 12:47 PM
> >Subject: [tvnsp] Future Tree Rescue Aid
> >
> >
> > > Hey Gang,
> > >
> > > What about a second cut down device on future flights between the
> >parachute
> > > and the capsule? Then when he parachute gets caught in the tree we just
> > > send the command to release the payload.
> > >
> > > We've seen the gear (most of it) survive 60,000 foot falls without
> > > parachutes. 50 feet can't be that bad if we're standing there with a net
> > > and hard hats to catch it. Probably has lots of drawbacks, but something
> > > to think about.
> > >
> > > N7MTZ
> > >
> > >
> > >
> > > To unsubscribe from this group, send an email to:
> > > tvnsp-unsubscribe@egroups.com
> > >
> > >
> > >
> > > Your use of Yahoo! Groups is subject to
> > <http://docs.yahoo.com/info/terms/>http://docs.yahoo.com/info/terms/
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4487. RE: [tvnsp] Meteor Shower

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-09-30 21:03:26 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4478 Message: 4487

That's far enough sound to get away from the lights of Boise? I
think it is.

This is one to keep in mind.

Paul

> For a local setup, how about at the east base of Initial Point? That has it
> pretty much flat in all directions away, good road all the way in. Just go
> past and as far past the butte as you want to go for moon blocking purposes.
>
> Bill B.
>
> -----Original Message-----
> From: verhap@... [mailto:verhap@...]
> Sent: Monday, September 30, 2002 4:31 AM
> To: tvnsp@yahoogroups.com
> Subject: [tvnsp] Meteor Shower
>
>
> The Leonids will occur on Tuesday morning, 19 November. There
> will be a full moon, but the shower is predicted to be so active, we'll
> still lots of meteors. However, it's best if we can find a location
> with a tall mountain to the west to block the moon light.
>
> Is anyone interested in seeing the shower? Can someone think of
> a good location for viewing?
>
> Paul
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>

4488. Re: [tvnsp] Meteor Shower

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-01 01:37:28 UTC
From: Tim Rynearson
Topic: 4478 Message: 4488
Attachments: 2 described; binary payloads are missing from this source WARC

The little valley of Sweet, Idaho might be a good place...it is shadowed by
Squaw Butte to the west.

My $.02....
Tim

-------Original Message-------

From: tvnsp@yahoogroups.com
Date: Monday, September 30, 2002 09:59:22 AM
To: tvnsp@yahoogroups.com
Subject: [tvnsp] Meteor Shower

The Leonids will occur on Tuesday morning, 19 November. There
will be a full moon, but the shower is predicted to be so active, we'll
still lots of meteors. However, it's best if we can find a location
with a tall mountain to the west to block the moon light.

Is anyone interested in seeing the shower? Can someone think of
a good location for viewing?

Paul

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.

4489. Re: etrex questions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-01 04:20:22 UTC
From: Justin Formolo
Topic: 4481 Message: 4489

Hey there Mark, I think I can answer your questions.

> I see you uploaded a log of the tv02f flight , was
> this a data dump from the etrex ?

First off, I use a eTrex Vista and I believe the other models of the eTrex family may have different options but I'll tell you what I know about the Vista. Yes, the map that I created was the data collected by the eTrex as I wondered aimlessly through the forest. It's the data collected by the eTrex of my exact path I took. First of all, you need to enable the "track" option on the GPS in the main menu screen, sometimes referred as a bread crumb trail. After you have finished whatever venture you do, I like to turn off the track and then save the track to memory.

>how did you do this?

Ok, now to make the map like I did with Street Atlas, you're going to need a data cable, one with the e-plug on one side and a DB9 on the other. Plug in the GPS, then plug into the COM port. Turn on the GPS and make sure the "interface" is in GARMIN mode. This is found in the main menu and then select the "interface" icon (refer to manual if you are getting confused). Now start up Street Atlas. I use version 8 but I believe older versions will be the same. Open up a new map. Now click on the "GPS" tab in the upper left. It will bring down a menu. Click on "initialize" and a window will pop up that will ask you to select your device. I use "Garmin/Garmin" for the etrex, then select the port your cable is connected to (for me, its COM1). After you do this, click finish and now Street Atlas will look for your GPS. At this point you won't care if it can find a GPS satellite fix or not, I usually just click on the red stop sign to stop tracking. You know your GPS is connected when is says "no fix" or something like that. What you are really wanting is Street Atlas to recognize you have a GPS connected.
After you get this far, you are ready to download your data. Now if you notice, on the map I made, it has both waypoints and the track. These are two separate things on the eTrex. Waypoints will be things such as a balloon capsule or where you parked your car (in the case of the map I made, it was Jeff's capsule and where Deb was hurt; both manually entered waypoints), and the track is the trail you navigate between them (which is automatically entered by the GPS). Getting back to the map, you need to click on the "GPS" tab again and bring down the menu. I like to download waypoints first so click "Download waypoints from GPS" and it will begin to extract all your waypoints from the memory. After its done, you will see your map fill up with waypoints. Now, go back and do the same menus again

but click on "Download tracks from GPS." It will then extract your saved track from memory and then display it.
If you have got this far, your just about done. Now that all your data is downloaded, find your track on the map and zoom in on it. You might need to change the track color to make it a bit more clearer to see. When you get the zoom/view the way you want on the screen, just push the "print screen" button just right of the F12 key. What this does is take a snapshot of what you see on your screen at that point. Now go to Window's Paint program. Usually click on the "Start" tab, then Programs > Assessories > Paint. When you get here, click on "edit" then "paste". You should have your new map on the Paint program. Now you can save it. One problem I see with using MS Paint is that the file can be very large, sometimes 3+ MB's for a single picture in a Bitmap format! I use an additional "photo shop" program to save it as a JPEG. Makes for a smaller file, usually 300kB. I think I have everything covered for this question, I think.

> also, the etrex manual mentions the battery saver
> mode, but doesn't tell you what it does (ok ok, it
> saves batteries, but how much does it degrade
> performance??)

What I have found with using the "saver" mode is that your GPS fix updates are slower. When the eTrex runs in "normal" mode, it updates as soon it receives position data, the "saver" mode updates every few seconds or so. When you have your track on, it makes a messy, not so smooth of a track, and in the thick tree canopy of a forest, you will want any and all info it can grab. I find that it's not worth it to "save" the batteries when compared to a very smooth track, especially when you're in the middle of nowhere and your lost. If you use the Backtrack feature, it becomes a whole lot easier to navigate back. Besides, I always carry spare AA batteries. For this latest rescue over the weekend, I went through two sets of batteries in the field.

>is there a source of etrex data that surpasses the brochure that
>came with it ?

Never really looked, I've always known what I know by just playing around with programs and some-how click the right combination of buttons to make things work. I'm sure you could search for anything you want at a place such as Google.com

> 73's de KMC kc0jhq, Denver

Hope I provided you with the answers you needed. I didn't mean to be so long winded, I just wanted to be thorough and percise. That's how I need information displayed for me, step by step instead of a "just figure it out" reply. If you need any addition info or if I missed a step, just holler back.

73's de Justin, KD7PIT

4490. New file uploaded to tvnsp

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-01 04:31:51 UTC
From: tvnsp@yahoogroups.com
Topic: 794 Message: 4490

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the tvnsp
group.

File : /TVNSPF-RESCUE/Super Dave!.jpg
Uploaded by : kd7pit <J_Formolo@...>
Description : Our Hero

You can access this file at the URL

http://groups.yahoo.com/group/tvnsp/files/TVNSPF-RESCUE/Super%20Dave%21.jpg

To learn more about file sharing for your group, please visit

http://help.yahoo.com/help/us/groups/files

Regards,

kd7pit <J_Formolo@...>

4491. New file uploaded to tvnsp

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-01 04:34:05 UTC
From: tvnsp@yahoogroups.com
Topic: 794 Message: 4491

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the tvnsp
group.

File : /TVNSPF-RESCUE/Group Shot.jpg
Uploaded by : kd7pit <J_Formolo@...>
Description : The "A" Team

You can access this file at the URL

http://groups.yahoo.com/group/tvnsp/files/TVNSPF-RESCUE/Group%20Shot.jpg

To learn more about file sharing for your group, please visit

http://help.yahoo.com/help/us/groups/files

Regards,

kd7pit <J_Formolo@...>

4492. New file uploaded to tvnsp

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-01 04:38:12 UTC
From: tvnsp@yahoogroups.com
Topic: 794 Message: 4492

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the tvnsp
group.

File : /TVNSPF-RESCUE/TV02F Recovered Track.JPG
Uploaded by : kd7pit <J_Formolo@...>
Description : self explanatory

You can access this file at the URL

http://groups.yahoo.com/group/tvnsp/files/TVNSPF-RESCUE/TV02F%20Recovered%20Track.JPG

To learn more about file sharing for your group, please visit

http://help.yahoo.com/help/us/groups/files

Regards,

kd7pit <J_Formolo@...>

4493. Re: [tvnsp] PCBs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-01 13:25:09 UTC
From: Harry M
Topic: 4474 Message: 4493

My check is in the mail Paul.

Harry

> I ahve everyone's PCB's done, except for Harry's. I'll shoot your's
> tonight. Don and Mark C., Send me a check for your PCBs.

4494. Re: [tvnsp] PCBs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-01 14:30:32 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4474 Message: 4494

Thanks, I shot your board last night and will drill it this afternoon.

Paul

> My check is in the mail Paul.
>
> Harry
>
>
> > I ahve everyone's PCB's done, except for Harry's. I'll shoot your's
> > tonight. Don and Mark C., Send me a check for your PCBs.
>
>
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>

4495. ORB-1 PICs Posted

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-01 15:01:40 UTC
From: Harry M
Topic: 4495 Message: 4495

I have posted pics of ORB-1 here... http://www.gbronline.com/harrymue/orb1/

4496. Surplus Balloons

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-01 16:06:04 UTC
From: Harry M
Topic: 4496 Message: 4496

I found 4, 2300g Kaymont Surplus balloons yesterday. I bought 2 and can get the other two if anyone is interested. Of the two that
are left, one is still sealed and the other one the plastic bag has been partially opened, but it is only a small hole (2") and the
balloon seems to be ok. It had not been removed from the bag. They all seem to be soft and not stuck together or any signs of
degradation. The boxes are in excellent shape. Below are the specs. from the label on the box. Price is $40 plus shipping which will
be around $9.

Harry

6660-00-809-5115
BALLOON METEOROROLOGICAL
ML541/A DAY TIME
1 EACH
DAAB07-85-C-B051
B-9/85
LOT 1
MAX WT. 2300 GRAM
SERIAL NO. 05670
KAYSAM CORP. OF AMERICA

4497. Re: [tvnsp] Surplus Balloons

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-01 17:11:45 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4496 Message: 4497

> I found 4, 2300g Kaymont Surplus balloons yesterday. I bought 2 and can get the other two if anyone is interested. Of the two that
> are left, one is still sealed and the other one the plastic bag has been partially opened, but it is only a small hole (2") and the
> balloon seems to be ok. It had not been removed from the bag. They all seem to be soft and not stuck together or any signs of
> degradation. The boxes are in excellent shape. Below are the specs. from the label on the box. Price is $40 plus shipping which will
> be around $9.

> 6660-00-809-5115
> BALLOON METEOROROLOGICAL
> ML541/A DAY TIME
> 1 EACH
> DAAB07-85-C-B051
> B-9/85
> LOT 1
> MAX WT. 2300 GRAM
> SERIAL NO. 05670
> KAYSAM CORP. OF AMERICA

From the 6th field down, it looks like these were manufacturer in
Sept of 1985. They're old enough that they may leak.

Paul

4498. Re: [tvnsp] Surplus Balloons

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-01 16:40:02 UTC
From: Harry M
Topic: 4496 Message: 4498

I don't know what the deterioration rate is on them. Being sealed and still coated with powder they might be ok. Has anyone used an
older envelope?

Harry

>
> >From the 6th field down, it looks like these were manufacturer in
> Sept of 1985. They're old enough that they may leak.
>
> Paul

4499. Airsho 2002

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-01 16:57:11 UTC
From: Harry M
Topic: 4499 Message: 4499

Is anyone going to be at AirSho 2002 http://www.airsho.org/ in Midland, Tx this coming weekend?

I will be staying at the Midland TraveLodge (Fri,Sat,Sun,Mon) and will be at the airport doing Pyro with the Blastards,
http://www.blastards.com/ from 6am to about 8pm both Sat and Sun. At lunch (?) and after the shows I will be at the Sky High hangar
just south of the CAF Hq building. I will be monitoring 2m 146.520 simp. and FRS chan. 10 with quiet code 10. If you have extended
receive on your radio covering the aircraft band it is a real treat to listen to the Air Boss. I am not sure of the freq. but just
ask any of the line marshals (yellow coveralls) or a member of the Blastards, EOD or Tora pyro groups.

Can you feel the HEAT?

Harry
KC5TRB

4500. Re: Surplus Balloons

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-02 01:20:55 UTC
From: Hank
Topic: 4496 Message: 4500

> I found 4, 2300g Kaymont Surplus balloons yesterday.

Harry,

Be aware that these are not eqivalent to regular
Kaysam or Kaymont balloons in that they have an
extra rubber streamlining "skirt" that contributes
to the 2300 gram weight.

Just how much the skirt weighs I can't tell you, but
the gas carrying envelope is substantially smaller
than 2300 grams.

Pierre of HamBONE has used a couple of these so
far, probably of the same old vintage. They are
made by *Kaysam*.

Hank

4501. Re: etrex questions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-02 01:29:59 UTC
From: Hank
Topic: 4481 Message: 4501

> One problem I see
> with using MS Paint is that the file can be very large,
> sometimes 3+ MB's for a single picture in a Bitmap format!
> I use an additional "photo shop" program to save it as a
> JPEG. Makes for a smaller file, usually 300kB.

Justin,

I noticed your saved SA map was a jpeg. You should be
saving simple graphics like that to a gif (or png) file.
Instead of 300k it might be 30 or 40k!

Jpegs are suited for photographs or very detailed graphics.

Hank

4502. Re: Lesson Plans

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-02 01:40:13 UTC
From: Hank
Topic: 4299 Message: 4502

> Here's the updated lesson plans for Liftwin and Balloon Track.
> Please look them over and make recommendations.

Paul,

You still don't have all the fields for LIFTWIN,
and you're still apparently using the now obsolete
0.2 version of the software.

I'll correct the plan and submit a revision to you
tonight.

Hank

4503. Re: etrex questions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-02 01:55:55 UTC
From: Justin Formolo
Topic: 4481 Message: 4503

> I noticed your saved SA map was a jpeg. You should be
> saving simple graphics like that to a gif (or png) file.
> Instead of 300k it might be 30 or 40k!
>
> Jpegs are suited for photographs or very detailed graphics.
>
> Hank

Good point Hank, but the closest I can get with my photoshop program is a JPEG format. Also, I sometimes have problems viewing GIF pictures. I'm sure this isn't a universal problem, it's just my computer being difficult.

Justin

4504. Re: etrex questions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-02 02:06:12 UTC
From: Justin Formolo
Topic: 4481 Message: 4504

> I noticed your saved SA map was a jpeg. You should be
> saving simple graphics like that to a gif (or png) file.
> Instead of 300k it might be 30 or 40k!
>
> Jpegs are suited for photographs or very detailed graphics.
>
> Hank

Good point Hank, but the closest I can get with my photoshop program is a JPEG format. Also, I sometimes have problems viewing GIF pictures. I'm sure this isn't a universal problem, it's just my computer being difficult.

Justin

4505. Re: etrex questions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-02 02:12:50 UTC
From: Hank
Topic: 4481 Message: 4505

> Good point Hank, but the closest I can get with my
> photoshop program is a JPEG format.

Time for shareware or freeware in that case!

Paintshop and LView are just two that come to mind
of many possibilities.

4506. Dyno recovery pictures!!!!!

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-02 02:40:46 UTC
From: Hank
Topic: 4506 Message: 4506

Just had the chance to check out the collection and I
can hardly keep my shirt on. These are GREAT!

Not only did Climbing Dave get it done with the
tree ascent and recovery, but he's taken a superb
set of pictures that document thoroughly the
hike. If you haven't taken a look yet at what
is in the files section, please do so.

Thanks Dave for the wonderful Saturday saved
in pictures. These are probably the finest
balloon pictures I've come across.

Thanks, too, Justin for the excellent shot of Dave
in action on rope.

Hank

4507. Re: [tvnsp] Re: Lesson Plans

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-02 02:49:55 UTC
From: John Knapp
Topic: 4299 Message: 4507

Interesting. We loaded the most current version
Saturday night. Please send the correct URL for the
most current version of LiftWin.

Thanks
JohnK
KD7HGS
--- Hank <n1ltv@...> wrote:
>
> > Here's the updated lesson plans for Liftwin and
> Balloon Track.
> > Please look them over and make recommendations.
>
> Paul,
>
> You still don't have all the fields for LIFTWIN,
> and you're still apparently using the now obsolete
> 0.2 version of the software.
>
> I'll correct the plan and submit a revision to you
> tonight.
>
> Hank
>
>

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4508. RE: Liftwin URL [Was] Lesson Plans

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-02 03:19:34 UTC
From: K7JPS - John
Topic: 4299 Message: 4508

John and Paul,

Hank's newest version of liftwin is at
http://www.geocities.com/n1ltv/newliftwin.htm. I don't think that he has a
link for it from his home page. He posted this link for Mike and I while
you and Paul were trying to keep up with TV02F.

John Stone
K7JPS

-----Original Message-----
From: John Knapp [mailto:kd7hgs@...]
Sent: Tuesday, October 01, 2002 20:50
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] Re: Lesson Plans

Interesting. We loaded the most current version
Saturday night. Please send the correct URL for the
most current version of LiftWin.

Thanks
JohnK
KD7HGS
--- Hank <n1ltv@...> wrote:
>
> > Here's the updated lesson plans for Liftwin and
> Balloon Track.
> > Please look them over and make recommendations.
>
> Paul,
>
> You still don't have all the fields for LIFTWIN,
> and you're still apparently using the now obsolete
> 0.2 version of the software.
>
> I'll correct the plan and submit a revision to you
> tonight.
>
> Hank
>
>

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4509. Re: [tvnsp] Re: Surplus Balloons

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-02 03:37:16 UTC
From: Harry M
Topic: 4496 Message: 4509
Attachments: 1 described; binary payloads are missing from this source WARC

Hi Hank,

I will keep this in mind. When the time comes to open the sealed bag I will try to document the configuration and do some weighing.
I have attached the instruction sheet if anyone is interested.

Thanks!
Harry

> Be aware that these are not eqivalent to regular
> Kaysam or Kaymont balloons in that they have an
> extra rubber streamlining "skirt" that contributes
> to the 2300 gram weight.
>
> Just how much the skirt weighs I can't tell you, but
> the gas carrying envelope is substantially smaller
> than 2300 grams.
>
> Pierre of HamBONE has used a couple of these so
> far, probably of the same old vintage. They are
> made by *Kaysam*.
>
> Hank

4510. (Fwd) Auroras in Arizona

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-02 14:28:56 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4510 Message: 4510

```
------- Forwarded Message Follows -------
Date sent: Wed, 2 Oct 2002 01:03:56 -0500
Subject: Auroras in Arizona
To: "SpaceWeather.com" <swlist@...>
From: "SpaceWeather.com" <swlist@...>
Send reply to: "SpaceWeather.com" <swlist@...>

[ Double-click this line for list subscription options ]

Space Weather News for Oct. 2, 2002
http://www.spaceweather.com

A solar wind stream buffeted Earth's magnetic field on Monday, Oct. 31st,
and triggered a strong geomagnetic storm. Sky watchers spotted colorful
auroras all the way from the Bering Sea to Arizona. The interplanetary
magnetic field near Earth is still pointing south, which weakens our
planet's magnetic defenses against solar wind gusts. As a result, more
auroras are possible on Tuesday, Oct. 2nd. Visit spaceweather.com for
updates and for pictures of the Oct. 1st Northern Lights.

---
You are currently subscribed to spaceweather as: paul.verhage@...
To unsubscribe send a blank email to leave-spaceweather-832600C@...
```

4511. Re: [tvnsp] (Fwd) Auroras in Arizona

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-02 15:01:13 UTC
From: Rick Widmer
Topic: 4510 Message: 4511

verhap@... wrote:

> A solar wind stream buffeted Earth's magnetic field on Monday, Oct. 31st,
> and triggered a strong geomagnetic storm. Sky watchers spotted colorful
> auroras all the way from the Bering Sea to Arizona. The interplanetary
> magnetic field near Earth is still pointing south, which weakens our
> planet's magnetic defenses against solar wind gusts. As a result, more
> auroras are possible on Tuesday, Oct. 2nd. Visit spaceweather.com for
> updates and for pictures of the Oct. 1st Northern Lights.

And all we saw was clouds. Grrr!

Rick

4512. 60 Members

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-02 17:09:24 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4512 Message: 4512

The TVNSP list now has sixty members, some though are duplicates. If you are getting extra messages and would like that to stop, please let me or John the Younger know.

I justed added the Space.com website to our list. They are interested in hearing about our upcoming flights. Please check out their website.

Paul

4513. Lithium Battery

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-02 17:28:15 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4513 Message: 4513

Walmart in Caldwell is now selling their photo-lithiums for $10 a pack of four. These cells come in the AA form factor and habve a capacity of 2900 mAh. They operate to temperatures as low as -60 deg F.

It's a good buy on a good battery.

Paul

4514. RE: [tvnsp] Meteor Shower

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-02 16:31:03 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 4478 Message: 4514

Reasonably so, yes. There will be some influence from the lights due to dust
and such, but it's minimal enough that the site should be doable.

Bill B.

-----Original Message-----
From: verhap@... [mailto:verhap@...]
Sent: Monday, September 30, 2002 8:03 AM
To: tvnsp@yahoogroups.com
Subject: RE: [tvnsp] Meteor Shower

That's far enough sound to get away from the lights of Boise? I
think it is.

This is one to keep in mind.

Paul

> For a local setup, how about at the east base of Initial Point? That has
it
> pretty much flat in all directions away, good road all the way in. Just go
> past and as far past the butte as you want to go for moon blocking
purposes.
>
> Bill B.
>
> -----Original Message-----
> From: verhap@... [mailto:verhap@...]
> Sent: Monday, September 30, 2002 4:31 AM
> To: tvnsp@yahoogroups.com
> Subject: [tvnsp] Meteor Shower
>
>
> The Leonids will occur on Tuesday morning, 19 November. There
> will be a full moon, but the shower is predicted to be so active, we'll
> still lots of meteors. However, it's best if we can find a location
> with a tall mountain to the west to block the moon light.
>
> Is anyone interested in seeing the shower? Can someone think of
> a good location for viewing?
>
> Paul
>
>
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> tvnsp-unsubscribe@egroups.com

>
>
>
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4515. RE: [tvnsp] Dyno recovery pictures!!!!!

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-02 16:33:04 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 4506 Message: 4515

I'd love to see them, but no way in heck I'm gonna sign up for all the spam
from YahooGroups.

Bill B.

-----Original Message-----
From: Hank [mailto:n1ltv@...]
Sent: Tuesday, October 01, 2002 8:41 PM
To: tvnsp@yahoogroups.com
Subject: [tvnsp] Dyno recovery pictures!!!!!

Just had the chance to check out the collection and I
can hardly keep my shirt on. These are GREAT!

Not only did Climbing Dave get it done with the
tree ascent and recovery, but he's taken a superb
set of pictures that document thoroughly the
hike. If you haven't taken a look yet at what
is in the files section, please do so.

Thanks Dave for the wonderful Saturday saved
in pictures. These are probably the finest
balloon pictures I've come across.

Thanks, too, Justin for the excellent shot of Dave
in action on rope.

Hank

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4516. Circuit Boards

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-02 17:33:31 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4516 Message: 4516

I have the following printed circuit board kits left over. I'm asking $5 for each and a committment to email me nback with an evaluation on the design and directions.

Three temperature sensor arrays
(allows you to measure four temperatures remotely with the flight computer)
Three thermal knifes
(will cut away a balloon or reef a parachute)
One Tiny Trak based tracker
(good as a back up tracker)
Two HT beacons
(good as a DF setup - there are two different baords with each kit)
One CC/PS
(uses the BS2p as the flight computer)

I also have a 1/2 completed CC/PS. You'll need to add a voltage regulator, servo controller, ICs, can cables. Email me if you're interested.

Paul "Near Space Kits R US" Verhage

4517. Re: [tvnsp] Dyno recovery pictures!!!!!

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-02 16:40:38 UTC
From: Rick Widmer
Topic: 4506 Message: 4517

It needs to be on the web site! -- <hint-hint>

Rick

BLOHM,BILL (HP-Boise,ex1) wrote:
> I'd love to see them, but no way in heck I'm gonna sign up for all the spam
> from YahooGroups.
>
> Bill B.
>
> -----Original Message-----
> From: Hank [mailto:n1ltv@...]
> Sent: Tuesday, October 01, 2002 8:41 PM
> To: tvnsp@yahoogroups.com
> Subject: [tvnsp] Dyno recovery pictures!!!!!
>
>
> Just had the chance to check out the collection and I
> can hardly keep my shirt on. These are GREAT!
>
> Not only did Climbing Dave get it done with the
> tree ascent and recovery, but he's taken a superb
> set of pictures that document thoroughly the
> hike. If you haven't taken a look yet at what
> is in the files section, please do so.
>
> Thanks Dave for the wonderful Saturday saved
> in pictures. These are probably the finest
> balloon pictures I've come across.
>
> Thanks, too, Justin for the excellent shot of Dave
> in action on rope.
>
> Hank
>
>
>
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> To unsubscribe from this group, send an email to:
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>
>

4518. Re: [tvnsp] (Fwd) Auroras in Arizona

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-02 16:43:49 UTC
From: Dave Lastname
Topic: 4510 Message: 4518

The northern lights were visible from Boise last night (Specifically my hot tub... gloat gloat). It was a green glowing from the north with occasional lines going south (green). And sometimes it was a deep red above the green. This would have been about 10:45pm for several hours.

Rick Widmer wrote:

verhap@... wrote:

> A solar wind stream buffeted Earth's magnetic field on Monday, Oct. 31st,
> and triggered a strong geomagnetic storm. Sky watchers spotted colorful
> auroras all the way from the Bering Sea to Arizona. The interplanetary
> magnetic field near Earth is still pointing south, which weakens our
> planet's magnetic defenses against solar wind gusts. As a result, more
> auroras are possible on Tuesday, Oct. 2nd. Visit spaceweather.com for
> updates and for pictures of the Oct. 1st Northern Lights.

And all we saw was clouds. Grrr!

Rick

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4519. Re: [KNSP] Circuit Boards

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-02 17:17:53 UTC
From: Harry M
Topic: 4519 Message: 4519

Paul, I'll take one knife and two HT beacons.

Harry

> I have the following printed circuit board kits left over. I'm asking $5
> for each and a committment to email me nback with an evaluation
> on the design and directions.
>
> Three temperature sensor arrays
> (allows you to measure four temperatures remotely with the flight
> computer)
> Three thermal knifes
> (will cut away a balloon or reef a parachute)
> One Tiny Trak based tracker
> (good as a back up tracker)
> Two HT beacons
> (good as a DF setup - there are two different baords with each kit)
> One CC/PS
> (uses the BS2p as the flight computer)
>
> I also have a 1/2 completed CC/PS. You'll need to add a voltage
> regulator, servo controller, ICs, can cables. Email me if you're
> interested.
>
> Paul "Near Space Kits R US" Verhage
>

4520. Re: Liftwin URL [Was] Lesson Plans

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-02 20:13:41 UTC
From: Hank
Topic: 4299 Message: 4520

> Hank's newest version of liftwin is at
> http://www.geocities.com/n1ltv/newliftwin.htm. I don't
> think that he has a link for it from his home page.

That's correct. I think it's okay now to make it
the web page software since it doesn't seem to have
any known bugs after being on trial for a few months.

> He posted this link for Mike and I while
> you and Paul were trying to keep up with TV02F.
>
> John Stone

Also correct, but the first announcement to TVNSP
list was back on Saturday, July 27.

Hank

4521. Re: [tvnsp] Re: etrex questions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-02 21:59:08 UTC
From: Dave Lastname
Topic: 4481 Message: 4521

In my opinion, JPG is the best quality for size.
You do have to take care when doing the conversion though, there are many different levels of compression with jpg. These directly affect the quality and size of the image. I generally use 3 or 4 (out of 10) for this group, it keeps a 7x5" image to about 30-50K which is really good. But for "home use" i use 7 or 8 (out of 10), and the same image would then be about 100-250K.
JPG is great, if you use it with the right settings (if your software even allows you the option to change the compression level). Just play around with it, take one image and save it a bunch of different ways, and see if you can tell the difference.

Justin Formolo wrote:> I noticed your saved SA map was a jpeg. You should be
> saving simple graphics like that to a gif (or png) file.
> Instead of 300k it might be 30 or 40k!
>
> Jpegs are suited for photographs or very detailed graphics.
>
> Hank

Good point Hank, but the closest I can get with my photoshop program
is a JPEG format. Also, I sometimes have problems viewing GIF
pictures. I'm sure this isn't a universal problem, it's just my
computer being difficult.

Justin

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4522. GIFs and JPEGs / was Re: etrex questions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-03 00:24:51 UTC
From: Hank
Topic: 4481 Message: 4522

> In my opinion, JPG is the best quality for size.

> You do have to take care when doing the conversion though,
> there are many different levels of compression with jpg. These
> directly affect the quality and size of the image.

Different levels of jpeg compression equate to different
levels of image quality losses. That is the key point with
the comparison of jpegs vs. gifs.

Gifs are *totally lossless*. There is *zero* image quality
degradation with a gif (the original image must be 256 colors
or less or be limited to that number when converted to a gif).
Even with that zero loss, the gif uses less bytes to describe a
graphic compared to a jpeg, maybe even a jpeg at the highest level
of jpeg compression (which means noticeable image distortion),
particularly noticeable around sharp image density changes such as
lines which is exactly what a graphic is apt to be full of.

It is a commonly accepted fact that gifs and pngs are the choice
for graphics with large areas of the same color and lines.

Conversely, jpegs are the choice for photographs with their
rapidly changing pixel color values.

I would challenge anyone to make an acceptable looking jpeg
version of any of the several gif maps I've posted to TVNSP
that uses less bytes. I don't think it can be done.

I would like to take Justin's SA image and gif it, but that
will not work properly since the image is already compromised
by its rendering as a jpeg (the jpeg adds "artifacts" that
gobble up gif bytes). However, any gif file can be properly
changed into a jpeg.

Hank

4523. Tree climbing

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-03 00:33:32 UTC
From: Hank
Topic: 4523 Message: 4523

Dave,

How did you advance your rope up the tree Saturday?

Did you toss it over new branches as you went up making
a number of small climbs interrupted by rope resettings?

About how long did the complete climb up the tree take?

Hank

4524. GIFs and JPEGs / was Re: etrex questions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-03 00:49:04 UTC
From: Hank
Topic: 4481 Message: 4524

Simple rule: graphics such as low complexity Street Atlas
maps, data graphs, line drawings and diagrams, schematics
from a drawing program (not scanned) -- use GIF.

All others, especially photographs, use JPEG.

The following is taken from an image FAQ:

GIF

GIF is best for images that have solid colors, text, and line art. It is good for computer-generated images, such as those produced by a drawing program like Corel Draw. It is also best when the image has detail, like text, where every pixel (dot on the screen) counts. It does well with images that are made up of a limited number of colors. It does not compress photographs very well, especially images that show texture or color gradations, or that are 24-bit color. GIF is a "lossless" form of compression. Every pixel in the original image is preserved.

JPG (JPEG)

JPG is best for photographs, and scanned photographs, of natural images. JPG gets its good compression by doing approximations, and is not as good for images where every pixel counts, or when you can get compression by using less than 24-bit color. It is usually a "lossy" compression, where you do not get back every pixel exactly as it was in the original image. There are different levels of JPG compression, ranging from little loss of detail and poor compression ("higher quality") to possible loss of detail with great compression ("lower quality").

4525. Re: [tvnsp] Re: etrex questions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-03 01:16:15 UTC
From: Zack Clobes
Topic: 4481 Message: 4525

I'm not terribly familiar with the PNG format, so I won't comment on that but there are some very important differences between GIF and JPG formats and how they pertain to various graphics.

First off, the color depth of a GIF is limited to 8bits or less. This means that you only have 256 colors (or less) to work with and any shades in between will become dithered. Often times when working with simple graphics such as maps, cartoon images, drawings, etc, much smaller file sizes can result by simply limiting the number of colors used - often without any noticeable change in the overall image. For example, on Street Atlas files, I usually wind up using only about 16 colors in the files. JPG images are capable of at least 24 bit (true) color which makes them much more suitable to photographic images.

Secondly, the compression algorithms are vastly different between the two types. GIF compression likes long horizontal stretches of a given color. It apparently compresses by stating that there are x pixels of red, then y pixels of green, etc... GIFs will compress an image of horizontal lines very efficiently, but will have a very poor compression of an image full of vertical lines.

JPG files on the other hand, compress quite differently. In the example used above with the lines, a JPG would compress the vertical an horizontal images roughly identically. However, especially on the image of vertical lines, you would notice a "ringing" of the vertical line to the right of the actual line. This is just compression noise and is found in all JPG's, but is seldom noticed with photographs because strong, hard lines of highly contrasting objects are less frequent (as opposed to a map for example).

The GIF is considered a lossless compression - every line drawn on an image will be saved in the GIF format exactly as drawn, as long as it is within the 256 color range. A JPG format is considered a lossy compression because some data is lost (or distorted by the compression noise).

One problem with the GIFs however, is they have a very restrictive licensing agreement. I have a feeling that it is seldom enforced by the number of freeware/shareware software vendors that include the format, but technically any program that saves GIF files is required to pay some organization a sizable chunk of change - if memory serves me, this chunk is somewhere on the order of $100 per software client (i.e. $100 for every copy of PhotoShop sold).

Zack Clobes, W0ZC
Project: Traveler
www.rckara.org/

----- Original Message -----
From: Dave Lastname
To: tvnsp@yahoogroups.com
Sent: Wednesday, October 02, 2002 4:59 PM
Subject: Re: [tvnsp] Re: etrex questions

In my opinion, JPG is the best quality for size.

You do have to take care when doing the conversion though, there are many different levels of compression with jpg. These directly affect the quality and size of the image. I generally use 3 or 4 (out of 10) for this group, it keeps a 7x5" image to about 30-50K which is really good. But for "home use" i use 7 or 8 (out of 10), and the same image would then be about 100-250K.

JPG is great, if you use it with the right settings (if your software even allows you the option to change the compression level). Just play around with it, take one image and save it a bunch of different ways, and see if you can tell the difference.

Justin Formolo wrote:

> I noticed your saved SA map was a jpeg. You should be
> saving simple graphics like that to a gif (or png) file.
> Instead of 300k it might be 30 or 40k!
>
> Jpegs are suited for photographs or very detailed graphics.
>
> Hank

Good point Hank, but the closest I can get with my photoshop program is a JPEG format. Also, I sometimes have problems viewing GIF pictures. I'm sure this isn't a universal problem, it's just my computer being difficult.

Justin

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4526. GIFs and JPEGs / was Re: etrex questions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-03 02:09:59 UTC
From: Hank
Topic: 4481 Message: 4526

> One problem with the GIFs however, is they have a very
> restrictive licensing agreement.

That licensing requirement I'm given to believe has led to
the birth of the png format.

4527. GIFs and JPEGs / was Re: etrex questions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-03 02:54:46 UTC
From: Hank
Topic: 4481 Message: 4527

> > One problem with the GIFs however, is they have a very
> > restrictive licensing agreement.
>
> That licensing requirement I'm given to believe has led to
> the birth of the png format.

Yes, from a FAQ again:

The PNG image format was designed in 1995 specifically in
response to the patent problems with the LZW algorithm used
in GIF. To the best of the PNG group's knowledge, PNG was
then--and still is--completely patent-free.

4528. Re: [tvnsp] Jeff's Caspule and Batteries

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-03 03:31:24 UTC
From: Jeff Melanson
Topic: 4480 Message: 4528

Paul,

The batteries are Energizer NiMH rated at 1700 mah. I
calculated the current draw, not measured, based on the
ratings of the equipment. I don't have the numbers right now
but can get them later.

Jeff
KD7INN

verhap@... wrote:
>
> Jeff, do you recall the mAh rating of your batteries? Did we
> measure your capsule's current draw? I'd like to add some real
> examples to my book. I'm currently completing a section on
> batteries.
>
> Paul
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

4529. RE: [tvnsp] Dyno recovery pictures!!!!!

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-03 04:19:13 UTC
From: K7JPS - John
Topic: 4506 Message: 4529

Bill, you don't really have to worry about spam from YahooGroups on our list. With 593 messages generated from the group last month, a spam would easily get lost '-) wink and grin...

John Stone
K7JPS

-----Original Message-----
From: BLOHM,BILL (HP-Boise,ex1) [mailto:bill_blohm@...]
Sent: Wednesday, October 02, 2002 10:33
To: 'tvnsp@yahoogroups.com'
Subject: RE: [tvnsp] Dyno recovery pictures!!!!!

I'd love to see them, but no way in heck I'm gonna sign up for all the spam from YahooGroups.

Bill B.

4530. Re: [tvnsp] Jeff's Caspule and Batteries

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-03 14:21:55 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4480 Message: 4530

Thanks. I'll use your numbers as a real world example in my book.

Paul

> Paul,
>
> The batteries are Energizer NiMH rated at 1700 mah. I
> calculated the current draw, not measured, based on the
> ratings of the equipment. I don't have the numbers right now
> but can get them later.
>
> Jeff
> KD7INN
>
> verhap@... wrote:
> >
> > Jeff, do you recall the mAh rating of your batteries? Did we
> > measure your capsule's current draw? I'd like to add some real
> > examples to my book. I'm currently completing a section on
> > batteries.
> >
> > Paul
> >
> >
> > To unsubscribe from this group, send an email to:
> > tvnsp-unsubscribe@egroups.com
> >
> >
> >
> > Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>

4531. RE: [tvnsp] Dyno recovery pictures!!!!!

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-03 14:22:57 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4506 Message: 4531

> Bill, you don't really have to worry about spam from YahooGroups on our
> list. With 593 messages generated from the group last month, a spam would
> easily get lost '-) wink and grin...

I'm not aware of any other balloon group that generates as much
email as we do.

Keep up the good work.

Paul

4532. From space.com

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-03 14:24:57 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4532 Message: 4532

This the message I just recieved from the website, space.com. On future launches we want to be sure and send them a selection of our best photographs.

amateur near space, the poor man's space program!

Paul

> Congratulations! You were selected for our first SPACE.com Amateur
> Snapshots Gallery, currently featured at:
>
> http://www.space.com/php/multimedia/imagegallery/
>
> Thank you for your enthusiasm and participation in the launch of this new
> feature!
>
> SPACE.com
>
> -----Original Message-----
> From: VERHAP@... [mailto:VERHAP@...]
> Sent: Tuesday, October 01, 2002 10:47 AM
> To: photos@...
> Subject: Photos
>
>
>
>
> > ----------
> > From: VERHAP@...[SMTP:VERHAP@...]
> > Sent: Tuesday, October 01, 2002 3:47:17 AM
> > To: photos@...
> > Subject: Photos
> > Auto forwarded by a Rule
> >
> I'm submitting two photos taken by my near space capsule at the
> Great Plains Super Launch 2002. There's a website at
> http://users.crosspaths.net/~wallio/GPSL2002.html if you'd like to
> get more information. These pictures were scanned by Mark
> Conner, N9XTN
>
> Photo #1 was taken by my capsule shortly after lift off (perhaps
> 2000 ft off the ground). In it you can see four other balloons as
> they ascend skyward. A total of six balloons where launched. The
> sixth balloon is above mine.
>
> Photo #2 was taken by my capsule at 86,000 feet. The distance to

> the horizon is 390 miles. Air temperature is 9 degrees F. Air
> pressure is about 2.5% of atmospheric pressure at sea level.
>
> My stack consisted of two capsules. The bottom capsule carried a
> Mr. Potatohead who parachuted from an altitude of 75,000 feet.
> The Dickenson County Sheriff's Department recovered him and
> gave me a phone call. The top capsule carried a camera mounted
> to a servo operate scan platform. The flight computer instructed
> the servo to position the camera and then ordered the camera to
> take a photo. The routine was programmed into the flight ocmputer
> before launch and based its actions on alttiude data from teh
> onboard GPS reciever.
>
> We have a website at www.tvnsp.org
>
> Paul Verhage, KD4STH
> Program Manager, TVNSP
>
>

4533. Re: [tvnsp] From space.com

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-03 14:31:09 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4532 Message: 4533

We're photos 11 and 12, in the gallery.

Paul

> This the message I just recieved from the website, space.com. On
> future launches we want to be sure and send them a selection of
> our best photographs.
>
> amateur near space, the poor man's space program!
>
> Paul
>
> > Congratulations! You were selected for our first SPACE.com Amateur
> > Snapshots Gallery, currently featured at:
> >
> > http://www.space.com/php/multimedia/imagegallery/
> >
> > Thank you for your enthusiasm and participation in the launch of this new
> > feature!
> >
> > SPACE.com
> >
> > -----Original Message-----
> > From: VERHAP@... [mailto:VERHAP@...]
> > Sent: Tuesday, October 01, 2002 10:47 AM
> > To: photos@...
> > Subject: Photos
> >
> >
> >
> >
> >
> > > ----------
> > > From: VERHAP@...[SMTP:VERHAP@...]
> > > Sent: Tuesday, October 01, 2002 3:47:17 AM
> > > To: photos@...
> > > Subject: Photos
> > > Auto forwarded by a Rule
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> > I'm submitting two photos taken by my near space capsule at the
> > Great Plains Super Launch 2002. There's a website at
> > http://users.crosspaths.net/~wallio/GPSL2002.html if you'd like to
> > get more information. These pictures were scanned by Mark
> > Conner, N9XTN
> >
> > Photo #1 was taken by my capsule shortly after lift off (perhaps

> > 2000 ft off the ground). In it you can see four other balloons as
> > they ascend skyward. A total of six balloons where launched. The
> > sixth balloon is above mine.
> >
> > Photo #2 was taken by my capsule at 86,000 feet. The distance to
> > the horizon is 390 miles. Air temperature is 9 degrees F. Air
> > pressure is about 2.5% of atmospheric pressure at sea level.
> >
> > My stack consisted of two capsules. The bottom capsule carried a
> > Mr. Potatohead who parachuted from an altitude of 75,000 feet.
> > The Dickenson County Sheriff's Department recovered him and
> > gave me a phone call. The top capsule carried a camera mounted
> > to a servo operate scan platform. The flight computer instructed
> > the servo to position the camera and then ordered the camera to
> > take a photo. The routine was programmed into the flight ocmputer
> > before launch and based its actions on alttiude data from teh
> > onboard GPS reciever.
> >
> > We have a website at www.tvnsp.org
> >
> > Paul Verhage, KD4STH
> > Program Manager, TVNSP
> >
> >
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>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
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>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>

4534. Re: [tvnsp] Tree climbing

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-03 15:08:11 UTC
From: Dave Lastname
Topic: 4523 Message: 4534

I had a bunch of kite string, and just tied a rock to the end. After 10 tries i got the kite string up over some good branches, and pulled the climbing rope up. Then tied one end of the rope to the "anchor.jpg". You can see a picture of then thin pink line going up the tree... .then i prussiced up the rope... once in the tree at a level where i could actually use the branches (they were very dead and crispy lower) i had a system of lines where i would attach myself to many different branches all at one time.... thus, if i fell, i had between 3 and 4 saftey lines in place at all times. it was a very slow climb. the first 30 feet (the prussicing) took 40 minutes and was very very strenuous. Then the rest of the climb took about 50 minutes. In my approximation the capsle was about 90-95 feet off the ground. Moving so many safety lines around constantly was time consuming, and sometimes there werent so many branchs around to climb on, so i had to get creative 3 times..... basically setting up systems of webbing to assend with.... Anyway, I left the ground just a few minutes after Russ, Justing and Ben left the car to hike in. I hit the elev of the capsle at exactly the same time they arived at the tree. I estimate it took 100 minutes to go up (and for them to hike in + 10 minutes). It took a few minutes to lower the capsle, and the guys tied some water on the kite string after i lowered the capsle, and i was able to raise some water and drink (i was parched). Then 10 minutes of rigging and moving stuff around, and then i rappelled down. The picture "superdave.jpg" is actually a rappelling (desending) picture, truth be know!
When i hit the ground, my left hand went into very very bad spasms.... the fingers curled up into a tight fist, and it was very painfull. my middle finger, on the same (left) hand freeaked out on me when i got to the top. It had a lot of spasms. but i was able to keep it under control and finish the climb. but 20 feet off the ground, on the descent, i had to wrestle aggresively with some huge branches i was tangled in, and my entire left hand basically had a can-nip-sion (don't know how to spell that). But after 5 minutes of rest and some massage, and fluids and food, the left had is fine. I've never had that happen in all my years of climbing/glacier work, but i've also never held onto anything with my left had for 90 minutes straight before. you see, moving all the safety ropes around, was all done with my right hand, so my left had was basically working 100% duty cycle, while my right hand was maybe 50-70% duty cycle.
Technically it was one of the simplest climbs i've done, it was very straight forward. But it also easily takes the cake for the most strenuous, especially when you figure that hike in and out.

:)

Hank wrote:Dave,

How did you advance your rope up the tree Saturday?

Did you toss it over new branches as you went up making
a number of small climbs interrupted by rope resettings?

About how long did the complete climb up the tree take?

Hank

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4535. RE: [tvnsp] Dyno recovery pictures!!!!!

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-03 18:41:06 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 4506 Message: 4535

ROFLMAO! Probably true!

Bill B.

-----Original Message-----
From: K7JPS - John [mailto:k7jps@...]
Sent: Wednesday, October 02, 2002 10:19 PM
To: tvnsp@yahoogroups.com
Subject: RE: [tvnsp] Dyno recovery pictures!!!!!

Bill, you don't really have to worry about spam from YahooGroups on our
list. With 593 messages generated from the group last month, a spam would
easily get lost '-) wink and grin...

John Stone
K7JPS

-----Original Message-----
From: BLOHM,BILL (HP-Boise,ex1) [mailto:bill_blohm@...]
Sent: Wednesday, October 02, 2002 10:33
To: 'tvnsp@yahoogroups.com'
Subject: RE: [tvnsp] Dyno recovery pictures!!!!!

I'd love to see them, but no way in heck I'm gonna sign up for all the spam
from YahooGroups.

Bill B.

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4536. RE: [tvnsp] Re: etrex questions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-03 18:56:29 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 4481 Message: 4536

I'm running off memory from when this whole fracas hit the fan years ago, but I beleive that GIF (Graphic Interchange Format) was developed for (by?) Compu$erve for their online pictures. However, it became extremely popular over time. Compu$erve decided to start charging on their license when they saw the large number of freeware, shareware, and commercial programs out there using it. Like any good business, they thought, hey, here's another revenue source. However, there was such an uproar over it that in essence, Compu$erve dropped the idea of charging for the GIF due to the backlash. Though they retain the license (and patent?) on GIF, the use of it is essentially public domain. Anyone can use it and you don't have to pay to use it. What you may have to pay for is the picture itself, not all pictures are royalty free. That is, you're paying for the use of the picture, not the use of the picture format. It's always a good idea to get (written) permission from the photographer or owner of the picture if you want to use it.

I'll not comment more on the topic of JPEG (Joint Photographic Experts Group) vs GIF, other than to say that the general recommendation, especially with web pages, is "GIFs are best for displaying noncontinuous-tone images, or those with large areas of flat colors. JPEG is the superior format for photographic or continuous-tone images, because they can contain millions of colors."

JPEG files tend to be larger than GIF and PNG (Portable Network Group) files. PNG is the native file format of Macromedia Fireworks, retaining all the original layer, vector, color, and effects information (such as a drop shadow, and all elements are fully editable at all times.

73 de Bill, KC7JSD

-----Original Message-----

One problem with the GIFs however, is they have a very restrictive licensing agreement. I have a feeling that it is seldom enforced by the number of freeware/shareware software vendors that include the format, but technically any program that saves GIF files is required to pay some organization a sizable chunk of change - if memory serves me, this chunk is somewhere on the order of $100 per software client (i.e. $100 for every copy of PhotoShop sold).

Zack Clobes, W0ZC
Project: Traveler
www.rckara.org/ <http://www.rckara.org/>

4537. RE: [tvnsp] Dyno recovery pictures!!!!!

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-03 18:58:51 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 4506 Message: 4537

Hear! Hear! This makes at least three of us asking for this.

Bill B.

-----Original Message-----
From: Rick Widmer [mailto:rwidmer@...]
Sent: Wednesday, October 02, 2002 10:41 AM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] Dyno recovery pictures!!!!!

It needs to be on the web site! -- <hint-hint>

Rick

4538. RE: [tvnsp] Re: etrex questions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-04 00:17:24 UTC
From: Tim Rynearson
Topic: 4481 Message: 4538
Attachments: 2 described; binary payloads are missing from this source WARC

Don't take this wrong guys, because I'm certainly not complaining at all and I've learned some things reading through this thread....but isn't it just a wee bit off topic for the TVNSP group ?

Tim

-------Original Message-------

From: tvnsp@yahoogroups.com
Date: Thursday, October 03, 2002 12:23:03 PM
To: 'tvnsp@yahoogroups.com'
Subject: RE: [tvnsp] Re: etrex questions

I'm running off memory from when this whole fracas hit the fan years ago, but I beleive that GIF (Graphic Interchange Format) was developed for (by?) Compu$erve for their online pictures. However, it became extremely popular over time. Compu$erve decided to start charging on their license when they saw the large number of freeware, shareware, and commercial programs out there using it. Like any good business, they thought, hey, here's another revenue source. However, there was such an uproar over it that in essence, Compu$erve dropped the idea of charging for the GIF due to the backlash. Though they retain the license (and patent?) on GIF, the use of it is essentially public domain. Anyone can use it and you don't have to pay to use it. What you may have to pay for is the picture itself, not all pictures are royalty free. That is, you're paying for the use of the picture, not the use of the picture format. It's always a good idea to get (written) permission from the photographer or owner of the picture if you want to use it.

I'll not comment more on the topic of JPEG (Joint Photographic Experts Group) vs GIF, other than to say that the general recommendation, especially with web pages, is "GIFs are best for displaying noncontinuous-tone images, or those with large areas of flat colors. JPEG is the superior format for photographic or continuous-tone images, because they can contain millions of colors."

JPEG files tend to be larger than GIF and PNG (Portable Network Group) files PNG is the native file format of Macromedia Fireworks, retaining all the original layer, vector, color, and effects information (such as a drop shadow, and all elements are fully editable at all times.

73 de Bill, KC7JSD
-----Original Message-----

One problem with the GIFs however, is they have a very restrictive licensing agreement. I have a feeling that it is seldom enforced by the number of

freeware/shareware software vendors that include the format, but technically any program that saves GIF files is required to pay some organization a sizable chunk of change - if memory serves me, this chunk is somewhere on the order of $100 per software client (i.e. $100 for every copy of PhotoShop sold).

Zack Clobes, W0ZC
Project: Traveler
www.rckara.org/

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4539. Lithium Batteries.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-04 00:58:40 UTC
From: K. Mark Caviezel
Topic: 4539 Message: 4539

Paul:
mmmmmmmmm really should dig up my numbers on this, but please note that Lithium batteries have different rated capacities at different temps. A while back, I got a bunch of data together and put it in a spreadsheet. I will dig it up and send it to you. I think that the Li 9V batteries have HALF the rated capacity at -20 C as they do at +20 C.
And for what it's worth, I guess it's reasonable to mention that there are lithium sulphur dioxide batteries with a nominal voltage of 3 V and lithium manganese dioxide batteries with a nominal voltage of 1.5 V (these are the AA batteries). I measure 1.7 volts open circuit on my AA's when they are brand new at at room temp. Their open circuit voltage did sag a bit when exposed to ??40F?? temps during the prelaunch preps for EOSS 55.
Additionally, Mike Manes, W5VSI informed me of the 'wake up' effect with the mil surplus LiSO2 that he uses in the EOSS ATV module. He measures higher voltage after the cell has been drawn on for a while. I *think* but am not positive that I saw the same 'wake up' effect with LiMnO2 AA batteries once when I ran them in my dash board GPS unit. (it was an accident, and why I haven't hooked up the power cable yet is anyone's guess)

anyways, my $0.02. I'll dig up my spreadsheet of battery caps and characteristics and get it out to you.

- KMC kc0jhq

_____
Do you Yahoo!?
New DSL Internet Access from SBC & Yahoo!
http://sbc.yahoo.com

4540. Deb

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-04 01:39:59 UTC
From: John Knapp
Topic: 4532 Message: 4540

Wanted to let everyone know Deb had her operation this morning. She is doing okay considering what she had done. The Doctor did a complete ACL replacement graft and smoothed down the torn cartiledge.

I will not be at the meeting tomorrow night, I hope it goes okay. Someone let me know what went on.

Russ, I have the CD's for you, can I get them to you sometime next week?

JohnK
KD7HGS

Do you Yahoo!?
New DSL Internet Access from SBC & Yahoo!
http://sbc.yahoo.com

4541. Robotic Arm

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-04 02:09:10 UTC
From: Jeff Melanson
Topic: 4541 Message: 4541

Paul,

Reminder:

Please bring your robotic arm for your capsule to the meeting.

Jeff
KD7INN

4542. Re: [tvnsp] Re: etrex questions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-04 06:06:25 UTC
From: Rick Widmer
Topic: 4481 Message: 4542

Tim Rynearson wrote:
>
> Don't take this wrong guys, because I'm certainly not complaining at all
> and I've learned some things reading through this thread....but isn't it
> just a wee bit off topic for the TVNSP group ?

Actually, since the subject started from how to upload pictures for the
TVNSP web site and file archive, I'd have to say it is on topic.

Rick

4543. Re: [tvnsp] Deb

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-04 11:46:33 UTC
From: Stephanie Steele
Topic: 4532 Message: 4543

Hi John,

Give Deb our best wishes. I hope she has a quick recovery. Tell her to
hollar if there is anything we can do. I went through this same
procedure and I know what she's up against? Also, which hospital is she at?

Not that it's any of my business but can you tell me if they used her
patella tendon to recreate the ACL or did they do a donor graft?

Stephanie

John Knapp wrote:
> Wanted to let everyone know Deb had her operation this
> morning. She is doing okay considering what she had
> done. The Doctor did a complete ACL replacement graft
> and smoothed down the torn cartiledge.
>
> I will not be at the meeting tomorrow night, I hope it
> goes okay. Someone let me know what went on.
>
> Russ, I have the CD's for you, can I get them to you
> sometime next week?
>
> JohnK
> KD7HGS
>
> _____
> Do you Yahoo!?
> New DSL Internet Access from SBC & Yahoo!
> http://sbc.yahoo.com
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
>
>

--
Stephanie

****

Friends are quiet angels who lift us to our feet when our wings have
trouble remembering how to fly.

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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de recta non tolerandum sunt

4544. RE: [tvnsp] Dyno recovery pictures!!!!!

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-04 14:33:00 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4506 Message: 4544

Mike just got back from his trip, so it's going to take a little time for
him to catch up.

What, you can do three things at once?!

Paul

> Hear! Hear! This makes at least three of us asking for this.
>
> Bill B.
>
> -----Original Message-----
> From: Rick Widmer [mailto:rwidmer@...]
> Sent: Wednesday, October 02, 2002 10:41 AM
> To: tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] Dyno recovery pictures!!!!!
>
>
> It needs to be on the web site! -- <hint-hint>
>
> Rick
>
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>

4545. Re: [tvnsp] Lithium Batteries.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-04 14:42:25 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4539 Message: 4545

Thanks, I'd like the information. The photo-lithiums at Wal-Mart are
a lithium-iron disulfide chemistry. They produce 1.5 volts per cell.
My notes say the lithium-managese chemistry produces 3.0 volts
per cell.

At room temperature, I get 1900 mAh at 160 mA from the batteries.
They're rated for 2900 mAh if the current is really low.

Rats, to hear about the drop in capacity at colder temperatures.
The interior of my capsule doesn't drop below 40 deg F. If you have
capacities for lithiums at these temperatures, I'd like to list them in
my book if that's alright with you (I'll give you credit for the
numbers).

Paul

> Paul:
> mmmmmmmmmm really should dig up my numbers on this,
> but please note that Lithium batteries have different
> rated capacities at different temps. A while back, I
> got a bunch of data together and put it in a
> spreadsheet. I will dig it up and send it to you. I
> think that the Li 9V batteries have HALF the rated
> capacity at -20 C as they do at +20 C.
> And for what it's worth, I guess it's reasonable to
> mention that there are lithium sulphur dioxide
> batteries with a nominal voltage of 3 V and lithium
> manganese dioxide batteries with a nominal voltage of
> 1.5 V (these are the AA batteries). I measure 1.7
> volts open circuit on my AA's when they are brand new
> at at room temp. Their open circuit voltage did sag
> a bit when exposed to ??40F?? temps during the
> prelaunch preps for EOSS 55.
> Additionally, Mike Manes, W5VSI informed me of the
> 'wake up' effect with the mil surplus LiSO2 that he
> uses in the EOSS ATV module. He measures higher
> voltage after the cell has been drawn on for a while.
> I *think* but am not positive that I saw the same
> 'wake up' effect with LiMnO2 AA batteries once when I
> ran them in my dash board GPS unit. (it was an
> accident, and why I haven't hooked up the power cable
> yet is anyone's guess)
>
> anyways, my $0.02. I'll dig up my spreadsheet of
> battery caps and characteristics and get it out to
> you.

>
> - KMC kc0jhq
>
>
>
>
>
>
>
>
>
> ---
> Do you Yahoo!?
> New DSL Internet Access from SBC & Yahoo!
> http://sbc.yahoo.com
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>

4546. Re: [tvnsp] Deb

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-04 14:43:26 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4532 Message: 4546

Glad to hear the operation went well. Is she ready to hike back to
the TV02F recovery zone?

;)
Paul

> Wanted to let everyone know Deb had her operation this
> morning. She is doing okay considering what she had
> done. The Doctor did a complete ACL replacement graft
> and smoothed down the torn cartiledge.
>
> I will not be at the meeting tomorrow night, I hope it
> goes okay. Someone let me know what went on.
>
> Russ, I have the CD's for you, can I get them to you
> sometime next week?
>
> JohnK
> KD7HGS
>
> _____
> Do you Yahoo!?
> New DSL Internet Access from SBC & Yahoo!
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>

4547. Re: [tvnsp] Dyno recovery pictures!!!!!

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-04 13:50:30 UTC
From: Mike Garske
Topic: 4506 Message: 4547

Good morning Paul and the gang! Ok I will admit it, I have no clue what the Dyno recovery pictures are, if someone can send them directly to me at kc7dpd@... and tell me the story behind the pictures, I will do my best to get them on the website soon! I will admit since I had 500+ emails when I got home from vacation, I pretty much breezed throught them and deleted 95% of them!

Mike
www.tvnsp.org

----- Original Message -----
From: <verhap@...>
To: <tvnsp@yahoogroups.com>
Sent: Friday, October 04, 2002 8:33 AM
Subject: RE: [tvnsp] Dyno recovery pictures!!!!!

> Mike just got back from his trip, so it's going to take a little time for
> him to catch up.
>
> What, you can do three things at once?!
>
> Paul
>
> > Hear! Hear! This makes at least three of us asking for this.
> >
> > Bill B.
> >

4548. RE: [tvnsp] Robotic Arm

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-04 15:43:12 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 4541 Message: 4548

Robotic arm? Capsule? With these two in the same sentence, I have to ask, "What's this all about?" I've been skimming mostly, and there definitely isn't another post with "Robotic Arm" in the subject line here.

You know, with this robotic arm properly designed and programmed and in the Pine Tree Capsule, it could have fingerwalked itself off the tree branch....

Bill B.

-----Original Message-----
From: Jeff Melanson [mailto:kd7inn@...]
Sent: Thursday, October 03, 2002 8:09 PM
To: tvnsp@yahoogroups.com
Subject: [tvnsp] Robotic Arm

Paul,

Reminder:

Please bring your robotic arm for your capsule to the meeting.

Jeff
KD7INN

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4549. Re: [tvnsp] Deb

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-04 15:44:19 UTC
From: John Knapp
Topic: 4532 Message: 4549

It was done as an out patient at the Elks Rehap
Hospital. They used a donor graft.

Thanks for the thoughts.
JohnK

--- Stephanie Steele <stephanie@...> wrote:
> Hi John,
>
> Give Deb our best wishes. I hope she has a quick
> recovery. Tell her to
> hollar if there is anything we can do. I went
> through this same
> procedure and I know what she's up against? Also,
> which hospital is she at?
>
> Not that it's any of my business but can you tell me
> if they used her
> patella tendon to recreate the ACL or did they do a
> donor graft?
>
> Stephanie
>
>
>
> John Knapp wrote:
> > Wanted to let everyone know Deb had her operation
> this
> > morning. She is doing okay considering what she
> had
> > done. The Doctor did a complete ACL replacement
> graft
> > and smoothed down the torn cartiledge.
> >
> > I will not be at the meeting tomorrow night, I
> hope it
> > goes okay. Someone let me know what went on.
> >
> > Russ, I have the CD's for you, can I get them to
> you
> > sometime next week?
> >
> > JohnK
> > KD7HGS
> >

> > _____
> > Do you Yahoo!?
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> > http://sbc.yahoo.com
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> >
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> > tvnsp-unsubscribe@egroups.com
> >
> >
> >
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> http://docs.yahoo.com/info/terms/
> >
> >
> >
> >
>
>
> --
> Stephanie
>
> ******************************
>
> Friends are quiet angels who lift us to our feet
> when our wings have
> trouble remembering how to fly.
>
> ******************************
>
> "They that can give up essential liberty to obtain a
> little temporary
> safety deserve neither liberty nor safety."
>
> Benjamin Franklin (1706-1790), Letter to Josiah
> Quincy, Sept. 11, 1773.
>
> "Those who desire to give up freedom in order to
> gain security will not
> have, nor do they deserve, either one."
>
> President Thomas Jefferson.
> 1743-1826
>
> ******************************
>
> Send and receive money safely over the Internet by
> using PayPal. I use
> it and highly recommend it as a safe and reliable
> means to conduct

> business. By using the link below we both will
> receive a $5 sign up bonus.
>
> https://www.paypal.com/refer/pal=kc7dba%40arrl.net
>
> ******************************
>
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> information intended only for the use of the
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> is addressed. If the reader of this e-mail message
> is not the intended
> recipient you are notified any disclosure,
> dissemination, distribution,
> copying or the taking of any action based upon the
> information contained in
> this message is strictly prohibited.
>
>
> de recta non tolerandum sunt
>
>
>

_____
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http://sbc.yahoo.com

4550. Re: [tvnsp] Dyno recovery pictures!!!!!

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-04 16:09:10 UTC
From: Dave Lastname
Topic: 4506 Message: 4550

i sent the pics to him
Mike Garske wrote:Good morning Paul and the gang! Ok I will admit it, I have no clue what the
Dyno recovery pictures are, if someone can send them directly to me at
kc7dpd@... and tell me the story behind the pictures, I will do my
best to get them on the website soon! I will admit since I had 500+ emails
when I got home from vacation, I pretty much breezed throught them and
deleted 95% of them!

Mike
www.tvnsp.org

----- Original Message -----
From: <verhap@...>
To: <tvnsp@yahoogroups.com>
Sent: Friday, October 04, 2002 8:33 AM
Subject: RE: [tvnsp] Dyno recovery pictures!!!!!

> Mike just got back from his trip, so it's going to take a little time for
> him to catch up.
>
> What, you can do three things at once?!
>
> Paul
>
> > Hear! Hear! This makes at least three of us asking for this.
> >
> > Bill B.
> >

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4551. Software Lessons

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-04 18:44:58 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4551 Message: 4551

I was given a demo of a screen capture program. It let's us makes movies of a window as we operate software. I'd like to use it on the Liftwin and Balloon Track lessons.

John, can we install it on your PC and make a movie showing the mouse clicks and information to enter into these programs?

Paul

4552. Meeting tonight?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-04 18:46:45 UTC
From: Mike Garske
Topic: 4552 Message: 4552

Group,

Are we still having a meeting tonight at the Jade Garden in Caldwell at 6:30pm?

Mike KC7DPD
www.tvnsp.org

4553. Meeting Oct 4

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-04 18:57:56 UTC
From: Randy Farley
Topic: 4553 Message: 4553

Is the lesson meeting tonight still at the Jade Garden?
I have these reccuring nightmares i may show up
at the wrong place or time zone sometime ;)

Justin, are you going to be there?

Randy "just checking on everyone elses memory" Farley.
N7GPS

4554. Re: Meeting Oct 4

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-04 19:21:48 UTC
From: Justin Formolo
Topic: 4553 Message: 4554

Ya, I'll be there with all of your stuff so no need to sweat about it. :-)

Justin

4555. Re: [tvnsp] Meeting tonight?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-04 19:50:51 UTC
From: John Knapp
Topic: 4552 Message: 4555

That we are....

JohnK
KD7HGS
--- Mike Garske <kc7dpd@...> wrote:
> Group,
>
> Are we still having a meeting tonight at the Jade
> Garden in Caldwell at 6:30pm?
>
> Mike KC7DPD
> www.tvnsp.org

_____
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4556. Re: [tvnsp] Software Lessons

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-04 19:52:41 UTC
From: John Knapp
Topic: 4551 Message: 4556

Sure can.

JohnK
--- verhap@... wrote:
> I was given a demo of a screen capture program. It
> let's us makes
> movies of a window as we operate software. I'd like
> to use it on the
> Liftwin and Balloon Track lessons.
>
> John, can we install it on your PC and make a movie
> showing the
> mouse clicks and information to enter into these
> programs?
>
> Paul
>

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4557. Re: Meeting Oct 4

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-04 20:18:03 UTC
From: Justin Formolo
Topic: 4553 Message: 4557

Group,

For tonights meeting, I'm bringing all the pictures I have of TV02F (both rescues I attended) on diskettes, Jeff's capsule, Randy's stuff that I borrowed (thanks Randy), but what about the launch tower? Am I just keeping it here until Oct 17 or does somebody want me to bring it to hand off to someone else?

Justin

4558. Re: [tvnsp] Meeting tonight?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-04 20:26:41 UTC
From: Dave Lastname
Topic: 4552 Message: 4558

I really would like a copy of Justins pictures can someone copy the disk(s) for me? naturally i can reemberse for media costs...

John Knapp wrote:That we are....

JohnK
KD7HGS
--- Mike Garske <kc7dpd@...> wrote:
> Group,
>
> Are we still having a meeting tonight at the Jade
> Garden in Caldwell at 6:30pm?
>
> Mike KC7DPD
> www.tvnsp.org

_____
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4559. Re: Meeting tonight?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-04 20:32:08 UTC
From: Justin Formolo
Topic: 4552 Message: 4559

> I really would like a copy of Justins pictures can someone copy the disk(s) for me? naturally i can reemberse for media costs...

Dave,

I can just make you a copy here. It took 8 disketes for all of the pictures (both attempts) 3 for the initial flight and 5 for last weeks adventure. Do you want both? I can also put everything on a cd disc if you like, just tell me what you want and I can copy or burn it for you. Also, I've been trying to e-mail you all week but my mail is being rejected by HP. I would like a copy of what you have though. Thanks

Justin

4560. Re: [tvnsp] Re: Meeting tonight?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-04 20:35:45 UTC
From: Dave Lastname
Topic: 4552 Message: 4560

yikes, my mail is being rejected?
you know they just changed (reciently) from
firstname_lastname@...
to
firstname.lastname@...
so that could be it, note the "." vrs the old "_"

I wonder if they were being rejected due to size?
Yikes! Lets do whatever we have to do! :)
If we have to, a CD is fine.
I'll email you directly with the pictures i have!
Justin Formolo wrote:> I really would like a copy of Justins pictures can someone copy the disk(s) for me? naturally i can reemberse for media costs...

Dave,

I can just make you a copy here. It took 8 disketes for all of the pictures (both attempts) 3 for the initial flight and 5 for last weeks adventure. Do you want both? I can also put everything on a cd disc if you like, just tell me what you want and I can copy or burn it for you. Also, I've been trying to e-mail you all week but my mail is being rejected by HP. I would like a copy of what you have though. Thanks

Justin

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4561. Re: Meeting tonight?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-04 20:38:41 UTC
From: Justin Formolo
Topic: 4552 Message: 4561

Dave

That might have been it. I'll send a test e-mail and see if you send a response, then I might be able to e-mail the pics to you. Are you going to the meeting tonight?

Justin

4562. Re: [tvnsp] Re: Meeting tonight?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-04 20:40:21 UTC
From: Dave Lastname
Topic: 4552 Message: 4562

I wish i could be there, but my wife lives 300 miles north, and were meeting in McCall this weekend.

Justin Formolo wrote:Dave

That might have been it. I'll send a test e-mail and see if you send a response, then I might be able to e-mail the pics to you. Are you going to the meeting tonight?

Justin

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4563. Re: [tvnsp] Robotic Arm

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-04 22:38:30 UTC
From: Jeff Melanson
Topic: 4541 Message: 4563

Bill,

Paul has a robotic arm for his capsule that has a camera on
the end of it. I don't know if he has flown it yet. It's a
video camera to be used with ATV equipment.
See you at the meeting.

Jeff
KD7INN

"BLOHM,BILL (HP-Boise,ex1)" wrote:
>
> Robotic arm? Capsule? With these two in the same sentence, I have to ask,
> "What's this all about?" I've been skimming mostly, and there definitely
> isn't another post with "Robotic Arm" in the subject line here.
>
> You know, with this robotic arm properly designed and programmed and in the
> Pine Tree Capsule, it could have fingerwalked itself off the tree branch....
>
> Bill B.
>
> -----Original Message-----
> From: Jeff Melanson [mailto:kd7inn@...]
> Sent: Thursday, October 03, 2002 8:09 PM
> To: tvnsp@yahoogroups.com
> Subject: [tvnsp] Robotic Arm
>
> Paul,
>
> Reminder:
>
> Please bring your robotic arm for your capsule to the
> meeting.
>
> Jeff
> KD7INN
>
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4564. PC Working Party Tomorrow- 10/5

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-05 05:03:42 UTC
From: Mike Garske
Topic: 4564 Message: 4564

Everyone,

Here are the directions to my house......be here after 5pm tomorrow 10/5... My phone number is 846-9219, and I will also be monitoring the 147.240 repeater. Anyone is invited to join us to help inventory and check out the PCs that were donated to us from Simplot Transportation.

==========
Head to Meridian!

Go West on Cherry Lane to Haven Cove. This the last street before you hit Ten Mile Road.....Take a left onto Haven Cove. Go up to about 2 blocks to the T-Intersection. This is Sheryl Street. Take a Right. My house is on the left side, the address is 2923 West Sheryl. Any questions, give me a call on the phone or on the radio! Bring whatever refreshments that you like, looks like it will be a pizza party also!

Email or call me if you plan on showing up, so I know who to expect!

Mike KC7DPD
www.tvnsp.org

4565. TV02F Recover Pics

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-05 16:23:22 UTC
From: Russ Dunn
Topic: 4565 Message: 4565

I added some of my photos from last week's capsule recovery. They are on the yahoo TVNSP website under Photos and the folder TV02F. This is not a new folder, just has new pictures added.

Yes, it really can take 1.75 hours to walk 1 mile downhill--without a trail, with a 25# pack and hiking over logs and around waterfalls :o)

Please, don't anybody calculate how much money we all spent in gasoline in 3 attempts just to drag this sorry lunchbag down out of a tree. We don't want to be reminded.

It's not just amateur science--IT'S AN ADVENTURE!
(Trademark, TVNSP)

Russ
N7SMA

4566. Re: [tvnsp] Software Lessons

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-05 20:17:04 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4551 Message: 4566

Let me know when you want to do this. You can leave me a
message at 631-7162

Paul

> Sure can.
>
> JohnK
> --- verhap@... wrote:
> > I was given a demo of a screen capture program. It
> > let's us makes
> > movies of a window as we operate software. I'd like
> > to use it on the
> > Liftwin and Balloon Track lessons.
> >
> > John, can we install it on your PC and make a movie
> > showing the
> > mouse clicks and information to enter into these
> > programs?
> >
> > Paul
> >
>
>
> _____
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>

4567. (Fwd) Re: Fw: Website -- News Submission

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-05 20:21:14 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4567 Message: 4567

From Russ. It sounds like a good idea to me to use the yahoo
calendar.

Paul

Suggestion: there is a calendar on the yahoo site, but it has no dates in
it for the meetings, launches, etc. Not sure who can post to it. Guess I
could try to upload my pictures from TV02F retrieval and find out if I have
access.

Russ

----- Original Message -----
From: <VERHAP@...>
To: "Russ Dunn" <n7sma@...>
Sent: Friday, October 04, 2002 8:36 AM
Subject: Re: Fw: Website -- News Submission

> It looks fine. Who did you meet from U of I?
>
> Once spelling error I saw is "dependent".
>
> Professionals has been launching high altitude balloons fro
> decades. It's only been since the early 1990s that we amateur
> shave been able to replicate their sucesses, with the advent of the
> microcontroller, packet, and GPS.
>
> Paul
>
> > Hi Paul
> >
> > What do you think of sending this to the colleges in the area? The U of
I
> > guys really ate TVNSP up at the Biofuels conference in Boise last week.
You
> > could put which number this is, like #12 launch. Edit at will.
> >
> > Email this to Albertson C of I: ecardenas@...
> >
> > Russ
> > N7SMA
> >
> > Dateline: CALDWELL, IDAHO
> >
> > Amateur scientists in the Treasure Valley will be launching another in
the

> > series of high altitude experiments October 19. Vallivue High School
will
> > serve as mission control with real time tracking via Global Position
System
> > and amateur radio. Liftoff of flight TV-02G is scheduled for 7 AM. The
> > launch location and time are dependant on weather conditions.
> >
> > Treasure Valley Near Space Program (http://www.tvnsp.org) is under the
> > direction of Paul Verhage, science teacher at Boise High School. He is
> > currently writing a book on procedures for the relatively new
international
> > hobby. Helium balloons lift the payloads (experiments) to altitudes of
> > approximately 100,000' where the balloons burst and return to earth via
> > parachute. Recent experiments include radiation detection, temperature
> > monitoring, in-flight robotics, photography and insect study. TVNSP
> > operates under the auspices of the Voice of Idaho Amateur Radio Club of
> > Boise.
> >
> > For more information, send email to:
> >
> > Paul Verhage verhap@...
> > Ed Livingston elivingston@...
> >
> >
>
>
>

4568. Re: [tvnsp] PC Working Party Tomorrow- 10/5

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-05 20:22:25 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4564 Message: 4568

Mike, I'll be there.

Paul

> Everyone,
>
> Here are the directions to my house......be here after 5pm tomorrow 10/5... My phone number is 846-9219, and I will also be monitoring the 147.240 repeater. Anyone is invited to join us to help inventory and check out the PCs that were donated to us from Simplot Transportation.
>
> ==========
> Head to Meridian!
>
> Go West on Cherry Lane to Haven Cove. This the last street before you hit Ten Mile Road.....Take a left onto Haven Cove. Go up to about 2 blocks to the T-Intersection. This is Sheryl Street. Take a Right. My house is on the left side, the address is 2923 West Sheryl. Any questions, give me a
call on the phone or on the radio! Bring whatever refreshments that you like, looks like it will be a pizza party also!
>
> Email or call me if you plan on showing up, so I know who to expect!
>
> Mike KC7DPD
> www.tvnsp.org

4569. Re: [tvnsp] PC Working Party Tomorrow- 10/5

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-05 22:08:26 UTC
From: Jeff Melanson
Topic: 4564 Message: 4569

Mike,

Sorry for the late reply. I'll be there.

Jeff
KD7INN

> Mike Garske wrote:
>
> Everyone,
>
> Here are the directions to my house......be here after 5pm
> tomorrow 10/5... My phone number is 846-9219, and I will
> also be monitoring the 147.240 repeater. Anyone is invited
> to join us to help inventory and check out the PCs that
> were donated to us from Simplot Transportation.
>
> ==========
==========
> Head to Meridian!
>
> Go West on Cherry Lane to Haven Cove. This the last street
> before you hit Ten Mile Road.....Take a left onto Haven
> Cove. Go up to about 2 blocks to the T-Intersection. This
> is Sheryl Street. Take a Right. My house is on the left
> side, the address is 2923 West Sheryl. Any questions, give
> me a call on the phone or on the radio! Bring whatever
> refreshments that you like, looks like it will be a pizza
> party also!
>
> Email or call me if you plan on showing up, so I know who
> to expect!
>
> Mike KC7DPD
> www.tvnsp.org
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4570. Friday's Meeting.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-06 14:15:46 UTC
From: Jeff Melanson
Topic: 4570 Message: 4570

Hi all,

Paul did his presentation on how to make circuit boards.
This will be repeated when we do the BASIC Stamp classes.
Mike will write an announcement for the VOI news letter for
the BASIC Stamp classes starting in November.
There was some discussion about having participants work on
specific projects for the capsules. Tony wants to add an
accelerometer to measure vertical forces during a flight. I
want to work on methods of accurately determing when the
balloon bursts. Doug suggests we fly the simplex repeater
again and add a repeating message that announces what is
going on and how to use the repeater. There was some
discussion about changing our cutdown devices to be able to
accept a command from the ground.
We also made plans to meet at Mike's house to check out the
computers that were donated to TVNSP. We did this Saturday
evening. We tested all the computers and monitors. Some
monitors were bad and some computers were designated as
parts for other compputers. In other words we'll take the CD
roms and memory and hard drives and place them into other
machines to improve them. This work will be completed later.
The pizza was good and so was the documentary on early
rocket failures in the space program.

Jeff
KD7INN

4571. Re: [tvnsp] TV02F Recover Pics

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-06 14:18:17 UTC
From: Randy Farley
Topic: 4565 Message: 4571

> Russ Dunn wrote:

Also don't mention the time and labor to polish out the pucker brush
scratches on the vehicle's paint job. I don't even abuse my pickup
that
badly during hunting season. Must be something in the air ;)

> Please, don't anybody calculate how much money we all spent in
> gasoline in 3 attempts just to drag this sorry lunchbag down out of
> a tree. We don't want to be reminded.
>
> It's not just amateur science--IT'S AN ADVENTURE!
> (Trademark, TVNSP)
>
> Russ
> N7SMA
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
> Your use of Yahoo! Groups is subject to the Yahoo! Terms of Service.

--
Regards,

Randy Farley
N7GPS -Ham Call-
My QTH at: http://map.findu.com/n7gps
Find Me Mobile at: http://map.findu.com/n7gps-9

4572. New NSTAR video up

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-06 20:54:18 UTC
From: Mark Conner
Topic: 4572 Message: 4572

I have posted a video clip of the first 5 minutes of the NSTAR 02-E flight at:

http://68.13.112.250:14480/NSTAR02E/NSTAR02E-air.rm

The video is about 5 minutes long and 13 Mbytes. You can see the hot-air balloon at about 3 minutes into the clip.

My free dynamic DNS service has gone to a pay business model. I'm in the process of signing up for another service - trying to decide whether to buy n9xtn.org for $30 or just get a free one from DynDNS.

73 de Mark N9XTN

Mark D. Conner
E-mail: n9xtn@...
Homepage: http://members.cox.net/mconner1
"Arrogance and stupidity, all in the same package.....how efficient of you!" - Ambassador Londo Mollari, Babylon 5

4573. Re: [tvnsp] New NSTAR video up

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-07 05:53:14 UTC
From: Bill Herrmann
Topic: 4572 Message: 4573

At 03:54 PM 10/6/02 -0500, you wrote:
>I'm in the process of signing up for another service - trying to
>decide whether to buy n9xtn.org for $30 or just get a free one
>from DynDNS.

Well, I wouldn't pay $30 these days. There are several registrars selling domains for much less than that. I had a friend that I trust recommend godaddy.com. I've got a couple of domains registered with them now and am thinking about moving some others. Frankly, VeriSign pretty well screwed up Network Solutions and it just isn't worth paying 3-4 times as much for the same thing.

Note that I haven't had any problems so I haven't had opportunity to try their tech support.

Of course, the $9 (or so) that godaddy.com charges is simply the registration. There are hosting companies around that are relatively inexpensive, but it would be worth looking for donated space too.

Bill

4574. Re: [tvnsp] Friday's Meeting.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-07 14:21:24 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4570 Message: 4574

Jeff, John, and Mike, I'd like to get a spare HD and some RAM for my home PC, if there's any left over.

Paul

4575. PCs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-07 14:37:42 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3723 Message: 4575

Rus, we have one PC ready for your friend. We need to arrange for him to pick it up. It's a P-133 with a 2Gb HD. I believe it has 32Mb RAM (can someone confirm that?). It uincludes the monitor, keyboard, and mouse. The OS needs to reloaded. We're asking $50. The money goes to the VOI's balloon fund (us).

Paul

4576. Stephanie's PCBs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-07 14:38:59 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4576 Message: 4576

Stephanie, I just remembered I owe you for the Cybiko batteries. I have four of them. Subtract those from the cost of the PCB's that Randy picked up for you.

Paul

4577. Construction Party

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-07 14:41:17 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4577 Message: 4577

We have a number of people with PCBs and one with a GPS. Let's plan a get together and construct boards and airframes. I'll bring some electronic components, an iron, solder, wires, styrofoam, hot glue, scrim, and mylar. I can order more parts if we're willing to split the cost.

Any takers?

Paul "Let's build" Verhage

4578. Emmett

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-07 14:42:52 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4578 Message: 4578

I'll need directions and a time for the Emmett meeting. Can anyone lese from TVNSP make it? We'll give a slide and video show. We'll also pass around equipment.

Is the Emmett meeting an eating meeting like Boise VOI?

Paul

4579. Boise Astronomical

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-07 14:45:17 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4579 Message: 4579

The BAS meeting is this Friday (that's three meeting for me this week). Jeff or Dave, can you attend to discuss the recovery? i'd like to show a slide of the winds we encountered. Can we show some photos? I'll bring a laptop and confirm a LCD will be available.

Everyone else is invited also. Please think of something to say. this is your chance to speak in benefit of TVNSP.

Paul

4580. Re: [tvnsp] PCs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-07 13:46:59 UTC
From: John Knapp
Topic: 3723 Message: 4580

The info is correct on the PC.

JohnK
--- verhap@... wrote:
> Rus, we have one PC ready for your friend. We need
> to arrange for
> him to pick it up. It's a P-133 with a 2Gb HD. I
> believe it has 32Mb
> RAM (can someone confirm that?). It uincludes the
> monitor,
> keyboard, and mouse. The OS needs to reloaded.
> We're asking
> $50. The money goes to the VOI's balloon fund (us).
>
> Paul
>

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4581. Status of Book

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-07 14:54:17 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4581 Message: 4581

I'll start sending my book to Parallax today. There's still a lot to finish, but a good chuck of it is done. I'll put together an overview of the book and what needs to be completed this week and email it out.

Paul

4582. Re: [tvnsp] Boise Astronomical

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-07 16:00:26 UTC
From: Dave Lastname
Topic: 4579 Message: 4582

I am available this friday. When/where is the meeting?
I'll bring my laptop, and some CD's with the pictures on it, maybe we can show some photos as you suggest.
Thanks

verhap@... wrote:The BAS meeting is this Friday (that's three meeting for me this week). Jeff or Dave, can you attend to discuss the recovery? i'd like to show a slide of the winds we encountered. Can we show some photos? I'll bring a laptop and confirm a LCD will be available.

Everyone else is invited also. Please think of something to say.
this is your chance to speak in benefit of TVNSP.

Paul

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4583. Re: [tvnsp] Construction Party

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-07 16:57:03 UTC
From: Randy Farley
Topic: 4577 Message: 4583

I'm interested Paul.
This week is full for me. I have a hunting and fishing trip planned starting wed. Have to keep vittles on the table. The wife is allergic to beef so she likes some substitute meat and fish. She actually makes me go hunt and fish,what else can i say? Should be back by by next week.

I Have PCB's , GPS's and a radio to wire-up for next season.
I have some of the components for building but not all yet.
Be glad to pay for all materials you can muster up.

Randy "second in command on the home front" Farley

>>> verhap@... 10/07/02 07:41AM >>>
We have a number of people with PCBs and one with a GPS. Let's
plan a get together and construct boards and airframes. I'll bring
some electronic components, an iron, solder, wires, styrofoam, hot
glue, scrim, and mylar. I can order more parts if we're willing to
split the cost.

Any takers?

Paul "Let's build" Verhage

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4584. Re: [tvnsp] Boise Astronomical

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-07 18:06:45 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4579 Message: 4584

It's at 7:30 at the Discovery Center. We meet in the back. I'll ask
for a few minutes at the meeting.

Paul

>
> I am available this friday. When/where is the meeting?
> I'll bring my laptop, and some CD's with the pictures on it, maybe we can show some
photos as you suggest.
> Thanks
>
> verhap@... wrote:The BAS meeting is this Friday (that's three meeting for me this
> week). Jeff or Dave, can you attend to discuss the recovery? i'd
> like to show a slide of the winds we encountered. Can we show
> some photos? I'll bring a laptop and confirm a LCD will be available.
>
> Everyone else is invited also. Please think of something to say.
> this is your chance to speak in benefit of TVNSP.
>
> Paul
>
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4585. Re: [tvnsp] Emmett

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-07 17:56:47 UTC
From: Doug Rich
Topic: 4578 Message: 4585

At 07:42 AM 10/7/02 -0700, you wrote:
>I'll need directions and a time for the Emmett meeting. Tim can give you
>exact directions. Can anyone lese from TVNSP make it? We'll give a slide
>and video
>show. We'll also pass around equipment.
>
>Is the Emmett meeting an eating meeting like Boise VOI? Yes.
>
>Paul

4586. Re: [tvnsp] Emmett

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-07 19:22:25 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4578 Message: 4586

I take it that Emmett starts at 6:30 then.

Paul

4587. Re: Fwd: [tvnsp] Construction Party

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-07 19:38:03 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4587 Message: 4587

Sounds like the week after the next launch, then.

Paul

> Next two weekends are out for this guy. Also for
> Randy.

4588. Re: Fwd: [tvnsp] Construction Party

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-07 19:38:37 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4587 Message: 4588

I guess we'll have to make it a pizza party, also.

Paul

4589. ARES lite

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-07 19:27:57 UTC
From: Randy Farley
Topic: 4589 Message: 4589

Paul
What was the name of that website to down load the
trial version of the circuit CAD program you showed us Fri.?

I found it at a UK site,but they kept wanting money (pounds).
I don't buy anything unless i can try it first.

4590. Re: [tvnsp] ARES lite

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-07 20:40:20 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4589 Message: 4590

www.labcenter-electronics.com

> Paul
> What was the name of that website to down load the
> trial version of the circuit CAD program you showed us Fri.?
>
> I found it at a UK site,but they kept wanting money (pounds).
> I don't buy anything unless i can try it first.
>
>
>
>
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>

4591. Re: [tvnsp] Emmett

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-07 23:40:55 UTC
From: Tim Rynearson
Topic: 4578 Message: 4591
Attachments: 2 described; binary payloads are missing from this source WARC

Paul,
The meeting is on the 17th at 7 PM at the Pizza Factory, 102 W. 5th. To get there, take Hwy. 44/State St. to Hwy. 16 between Eagle and Star. Go North on Hwy. 16 and drop down in to the Emmett valley. Continue on Hwy. 16 to the traffic light at the end of Washington Ave., between Chevron and Maverick. Take a right on Washington Ave. (at the light) and go approx. 9 blocks to 5th St. (one block before the next light), turn left, and you're there. I'll contact KC7VOJ to see about his LCD projector. And yes, it is an eating meeting and the pizza's pretty darn good.

Tim

-------Original Message-------

From: tvnsp@yahoogroups.com
Date: Monday, October 07, 2002 07:22:18 AM
To: tvnsp@yahoogroups.com
Subject: [tvnsp] Emmett

I'll need directions and a time for the Emmett meeting. Can anyone lese from TVNSP make it? We'll give a slide and video show. We'll also pass around equipment.

Is the Emmett meeting an eating meeting like Boise VOI?

Paul

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.

4592. Re: [tvnsp] PCs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-07 23:41:47 UTC
From: Tim Rynearson
Topic: 3723 Message: 4592
Attachments: 2 described; binary payloads are missing from this source WARC

Can I get one too ?

Tim...

-------Original Message-------

From: tvnsp@yahoogroups.com
Date: Monday, October 07, 2002 07:03:27 AM
To: tvnsp@yahoogroups.com
Subject: [tvnsp] PCs

Rus, we have one PC ready for your friend. We need to arrange for
him to pick it up. It's a P-133 with a 2Gb HD. I believe it has 32Mb
RAM (can someone confirm that?). It uincludes the monitor,
keyboard, and mouse. The OS needs to reloaded. We're asking
$50. The money goes to the VOI's balloon fund (us).

Paul

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4593. Re: [tvnsp] Boise Astronomical

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-07 23:43:52 UTC
From: Tim Rynearson
Topic: 4579 Message: 4593
Attachments: 2 described; binary payloads are missing from this source WARC

Is there not a training meeting for Vallivue mission control this Friday, as previously planned ?

Tim

-------Original Message-------

From: tvnsp@yahoogroups.com
Date: Monday, October 07, 2002 09:44:03 AM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] Boise Astronomical

I am available this friday. When/where is the meeting?
I'll bring my laptop, and some CD's with the pictures on it, maybe we can show some photos as you suggest.
Thanks
verhap@... wrote:
The BAS meeting is this Friday (that's three meeting for me this week). Jeff or Dave, can you attend to discuss the recovery? i'd like to show a slide of the winds we encountered. Can we show some photos? I'll bring a laptop and confirm a LCD will be available.

Everyone else is invited also. Please think of something to say. this is your chance to speak in benefit of TVNSP.

Paul

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4594. Re: [tvnsp] ARES lite

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-08 00:29:05 UTC
From: Zack Clobes
Topic: 4589 Message: 4594

This one actually looks encouraging! Quick question though - the default pad sizes on the IC's are a bit skimpy for my tastes, is there a setting available to use a slightly darker pad?

Can anyone testify to the program's (ARES) stability?

Zack Clobes, W0ZC
Project: Traveler
www.rckara.org/

----- Original Message -----
From: <verhap@...>
To: <tvnsp@yahoogroups.com>
Sent: Monday, October 07, 2002 3:40 PM
Subject: Re: [tvnsp] ARES lite

> www.labcenter-electronics.com
>
>
> > Paul
> > What was the name of that website to down load the
> > trial version of the circuit CAD program you showed us Fri.?
> >
> > I found it at a UK site,but they kept wanting money (pounds).
> > I don't buy anything unless i can try it first.
> >
> >
> >
> >
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4595. Re: [tvnsp] Boise Astronomical

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-08 03:12:30 UTC
From: John Knapp
Topic: 4579 Message: 4595

Good question. Paul, did the instructor at Vallivue
ever contact you about the training session and the
launch? We were looking at this Friday for the
training session.

JohnK

--- Tim Rynearson <n7ubo@...> wrote:
> Is there not a training meeting for Vallivue mission
> control this Friday, as
> previously planned ?
>
> Tim
>
> -------Original Message-------
>
> From: tvnsp@yahoogroups.com
> Date: Monday, October 07, 2002 09:44:03 AM
> To: tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] Boise Astronomical
>
> I am available this friday. When/where is the
> meeting?
> I'll bring my laptop, and some CD's with the
> pictures on it, maybe we can
> show some photos as you suggest.
> Thanks
> verhap@... wrote:
> The BAS meeting is this Friday (that's three meeting
> for me this
> week). Jeff or Dave, can you attend to discuss the
> recovery? i'd
> like to show a slide of the winds we encountered.
> Can we show
> some photos? I'll bring a laptop and confirm a LCD
> will be available.
>
> Everyone else is invited also. Please think of
> something to say.
> this is your chance to speak in benefit of TVNSP.
>
> Paul
>
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4596. Re: [tvnsp] ARES lite

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-08 14:21:53 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4589 Message: 4596

> This one actually looks encouraging! Quick question though - the default
> pad sizes on the IC's are a bit skimpy for my tastes, is there a setting
> available to use a slightly darker pad?

The pink pads represent pads on all layers of the board. I select
bottom copper and click on all the pads.

> Can anyone testify to the program's (ARES) stability?

I make all my PCBs with it. My book is filled with it.

Paul

4597. Re: [tvnsp] Boise Astronomical

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-08 14:20:01 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4579 Message: 4597

I have not heard from Ed. So at this point, no.

Paul

> Is there not a training meeting for Vallivue mission control this Friday, as
> previously planned ?
>
> Tim
>
> -------Original Message-------
>
> From: tvnsp@yahoogroups.com
> Date: Monday, October 07, 2002 09:44:03 AM
> To: tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] Boise Astronomical
>
> I am available this friday. When/where is the meeting?
> I'll bring my laptop, and some CD's with the pictures on it, maybe we can
> show some photos as you suggest.
> Thanks
> verhap@... wrote:
> The BAS meeting is this Friday (that's three meeting for me this
> week). Jeff or Dave, can you attend to discuss the recovery? i'd
> like to show a slide of the winds we encountered. Can we show
> some photos? I'll bring a laptop and confirm a LCD will be available.
>
> Everyone else is invited also. Please think of something to say.
> this is your chance to speak in benefit of TVNSP.
>
> Paul
>
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4598. Book Synopsis

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-08 14:30:14 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4598 Message: 4598
Attachments: 2 described; binary payloads are missing from this source WARC

I'm attaching a synopsis of the book. It outlines the chapters and what needs to be completed. Currently, the page count is 330.

Paul

4599. PSR

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-08 14:37:35 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4599 Message: 4599

Does anyone get a copy of the Packet Status Register? PSR is a newsletter put out by TAPR. Look for an article in their next issue that I wrote.

Paul

4600. Re: [tvnsp] ARES lite

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-08 14:11:23 UTC
From: Randy Farley
Topic: 4589 Message: 4600

So how do you download it. I checked the shareware menu,
then the drop down ARES Lite button and they ask for $30.
No free trial ?

Randy
N7GPS

>>> verhap@... 10/07/02 01:40PM >>>
www.labcenter-electronics.com

> Paul
> What was the name of that website to down load the
> trial version of the circuit CAD program you showed us Fri.?
>
> I found it at a UK site,but they kept wanting money (pounds).
> I don't buy anything unless i can try it first.
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4601. Re: [tvnsp] Boise Astronomical

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-08 14:23:22 UTC
From: John Knapp
Topic: 4579 Message: 4601

Are we still planning to coordinate with Vallivue HS
in the light we cannot make contact with them?

JohnK
--- verhap@... wrote:
> I have not heard from Ed. So at this point, no.
>
> Paul
>
>
> > Is there not a training meeting for Vallivue
> mission control this Friday, as
> > previously planned ?
> >
> > Tim
> >
> > -------Original Message-------
> >
> > From: tvnsp@yahoogroups.com
> > Date: Monday, October 07, 2002 09:44:03 AM
> > To: tvnsp@yahoogroups.com
> > Subject: Re: [tvnsp] Boise Astronomical
> >
> > I am available this friday. When/where is the
> meeting?
> > I'll bring my laptop, and some CD's with the
> pictures on it, maybe we can
> > show some photos as you suggest.
> > Thanks
> > verhap@... wrote:
> > The BAS meeting is this Friday (that's three
> meeting for me this
> > week). Jeff or Dave, can you attend to discuss
> the recovery? i'd
> > like to show a slide of the winds we encountered.
> Can we show
> > some photos? I'll bring a laptop and confirm a
> LCD will be available.
> >
> > Everyone else is invited also. Please think of
> something to say.
> > this is your chance to speak in benefit of TVNSP.
> >
> > Paul
> >

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http://autos.yahoo.com

4602. Re: [tvnsp] ARES lite

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-08 15:45:57 UTC
From: Stephanie Steele
Topic: 4589 Message: 4602

Is Proteus Lite and ARES lite the same product?

Randy Farley wrote:
> So how do you download it. I checked the shareware menu,
> then the drop down ARES Lite button and they ask for $30.
> No free trial ?
>
> Randy
> N7GPS
>
>
>>>>verhap@... 10/07/02 01:40PM >>>
>>>
> www.labcenter-electronics.com
>
>
>
>>Paul
>>What was the name of that website to down load the
>>trial version of the circuit CAD program you showed us Fri.?
>>
>>I found it at a UK site,but they kept wanting money (pounds).
>>I don't buy anything unless i can try it first.
>>
>>
>>
>>
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>

--
Stephanie

****

Friends are quiet angels who lift us to our feet when our wings have
trouble remembering how to fly.

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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it and highly recommend it as a safe and reliable means to conduct
business. By using the link below we both will receive a $5 sign up bonus.

https://www.paypal.com/refer/pal=kc7dba%40arrl.net

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4603. Re: [tvnsp] ARES lite

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-08 17:17:14 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4589 Message: 4603

Proteus is an entire suite of software, one of which is Ares.
Other software includes a schematic capture for those too lazy to
input their own schematics.

Ares should have a shareware version that is limited to 100 pin
holes.

Paul

> Is Proteus Lite and ARES lite the same product?
>
>
>
> Randy Farley wrote:
> > So how do you download it. I checked the shareware menu,
> > then the drop down ARES Lite button and they ask for $30.
> > No free trial ?
> >
> > Randy
> > N7GPS
> >
> >
> >>>>verhap@... 10/07/02 01:40PM >>>
> >>>
> > www.labcenter-electronics.com
> >
> >
> >
> >>Paul
> >>What was the name of that website to down load the
> >>trial version of the circuit CAD program you showed us Fri.?
> >>
> >>I found it at a UK site,but they kept wanting money (pounds).
> >>I don't buy anything unless i can try it first.
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>
> --
> Stephanie
>
> ********************************
>
> Friends are quiet angels who lift us to our feet when our wings have
> trouble remembering how to fly.
>
> ********************************
>
> "They that can give up essential liberty to obtain a little temporary
> safety deserve neither liberty nor safety."
>
> Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.
>
> "Those who desire to give up freedom in order to gain security will not
> have, nor do they deserve, either one."
>
> President Thomas Jefferson.
> 1743-1826
>
> ********************************

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4604. Ares Lite Shareware

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-08 17:27:55 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4604 Message: 4604

Go to www.labcenter.com

On the left side is a menu bar, select downloads. On the webpage, select prolite.exe

Paul

4605. Re: [tvnsp] Boise Astronomical

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-08 17:19:42 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4579 Message: 4605

I've sent out anther email. We may do the launch without the
students.

Paul

> Are we still planning to coordinate with Vallivue HS
> in the light we cannot make contact with them?
>
> JohnK
> --- verhap@... wrote:
> > I have not heard from Ed. So at this point, no.
> >
> > Paul
> >
> >
> > > Is there not a training meeting for Vallivue
> > mission control this Friday, as
> > > previously planned ?
> > >
> > > Tim
> > >
> > > -------Original Message-------
> > >
> > > From: tvnsp@yahoogroups.com
> > > Date: Monday, October 07, 2002 09:44:03 AM
> > > To: tvnsp@yahoogroups.com
> > > Subject: Re: [tvnsp] Boise Astronomical
> > >
> > > I am available this friday. When/where is the
> > meeting?
> > > I'll bring my laptop, and some CD's with the
> > pictures on it, maybe we can
> > > show some photos as you suggest.
> > > Thanks
> > > verhap@... wrote:
> > > The BAS meeting is this Friday (that's three
> > meeting for me this
> > > week). Jeff or Dave, can you attend to discuss
> > the recovery? i'd
> > > like to show a slide of the winds we encountered.
> > Can we show
> > > some photos? I'll bring a laptop and confirm a
> > LCD will be available.
> > >
> > > Everyone else is invited also. Please think of

> > something to say.
> > > this is your chance to speak in benefit of TVNSP.
> > >
> > > Paul
> > >
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4606. Re: [tvnsp] ARES lite

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-08 16:55:57 UTC
From: Randy Farley
Topic: 4589 Message: 4606

I don't know. I did not think so,but what do i know.
Waiting for help from the guru.

>>> stephanie@... 10/08/02 09:45AM >>>
Is Proteus Lite and ARES lite the same product?

Randy Farley wrote:
> So how do you download it. I checked the shareware menu,
> then the drop down ARES Lite button and they ask for $30.
> No free trial ?
>
> Randy
> N7GPS
>
>
>>>>verhap@... 10/07/02 01:40PM >>>
>>>
> www.labcenter-electronics.com
>
>
>
>>Paul
>>What was the name of that website to down load the
>>trial version of the circuit CAD program you showed us Fri.?
>>
>>I found it at a UK site,but they kept wanting money (pounds).
>>I don't buy anything unless i can try it first.
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Stephanie

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safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
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4607. Work Party

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-08 17:24:14 UTC
From: John Knapp
Topic: 4579 Message: 4607

We were initially thinking of having a work party to build PCB, hardware, etc. on Oct. 26. However, that weekend is between the two launchs, one on Oct 19 and the other on Nov. 2. My thought is to wait until later to start working on the hardware. Do we still want to meet on the 26th to review the launch of Oct 19th and to prepare for the next launch?

If so, where do we want to meet? The Jade Garden or somewhere else? And when. Lets have some feedback from the group so we can do the back-to-back launches successfully.

JohnK
KD7HGS

_____
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4608. Re: [tvnsp] Ares Lite Shareware

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-08 17:30:58 UTC
From: Randy Farley
Topic: 4604 Message: 4608

Thanks, I just figured out ARES lite is part of Proteus lite.
Had to download Proteus to see that feature. I like clear as mud instructions,makes me want to go out and buy it. ;-)

>>> verhap@... 10/08/02 10:27AM >>>
Go to www.labcenter.com

On the left side is a menu bar, select downloads. On the
webpage, select prolite.exe

Paul

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4609. Re: [tvnsp] Work Party

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-08 17:54:18 UTC
From: Randy Farley
Topic: 4579 Message: 4609

I say put off the hardware stuff till the snowballs fly.

We need to concentrate on the two planned launches.
Reviewing the first launch with preparation for the second one
at the same meeting would be good. Any mistakes made on
the first one will be fresh in our minds to correct for the
second one, not that we are not perfect by now ;-)
Also cuts down on my gasoline bill with one less trip.

Jade Garden works for me.

My meager input,

Randy
N7GPS

>>> kd7hgs@... 10/08/02 11:24AM >>>
We were initially thinking of having a work party to
build PCB, hardware, etc. on Oct. 26. However, that
weekend is between the two launchs, one on Oct 19 and
the other on Nov. 2. My thought is to wait until later
to start working on the hardware. Do we still want to
meet on the 26th to review the launch of Oct 19th and
to prepare for the next launch?

If so, where do we want to meet? The Jade Garden or
somewhere else? And when. Lets have some feedback from
the group so we can do the back-to-back launches
successfully.

JohnK
KD7HGS

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4610. Re: [tvnsp] Work Party

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-08 19:07:02 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4579 Message: 4610

> If so, where do we want to meet? The Jade Garden or
> somewhere else? And when. Lets have some feedback from
> the group so we can do the back-to-back launches
> successfully.

I can meet any day. As for the 2 Nov launch, Jeff, so you want to
launch your tracker? I'd like to do a dual launch with trackers.
tephanie, do you want to launch your capsule?

Paul

4611. Spell Checker

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-08 19:08:46 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4579 Message: 4611

Does anyone know how to "turn on" spell checking in Word? My chapters all have misspelled words. But most of them are not highlighted. Something in the document is telling Word not to check these words.

Paul

4612. Sprites and Balloons

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-08 19:14:08 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4612 Message: 4612

Here's a story about sprite research performed from balloons.

http://www.spacedaily.com/news/earth-02x.html

Paul

4613. Re: [tvnsp] Spell Checker

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-08 18:19:40 UTC
From: Craig Brunson
Topic: 4579 Message: 4613

Word help says:

Turn on or off automatic spelling and grammar checking
On the Tools menu, click Options, and then click the Spelling & Grammar tab.

Do one or more of the following:
To turn on or off automatic spelling checking, select or clear the Check spelling as you type check box.

To turn on or off automatic grammar checking, select or clear the Check grammar as you type check box.
Note When you turn on automatic spelling and grammar checking, Microsoft Word clears the Hide spelling errors in this document and Hide grammatical errors in this document check boxes. This enables the spelling and grammar checkers to mark possible errors with wavy underlines. If you find the wavy underlines distracting, you can select these check boxes.

----- Original Message -----
From: <verhap@...>
To: <tvnsp@yahoogroups.com>
Sent: Tuesday, 08 October, 2002 12:08 PM
Subject: [tvnsp] Spell Checker

> Does anyone know how to "turn on" spell checking in Word? My
> chapters all have misspelled words. But most of them are not
> highlighted. Something in the document is telling Word not to
> check these words.
>
> Paul

4614. Re: [tvnsp] Work Party

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-08 18:23:28 UTC
From: John Knapp
Topic: 4579 Message: 4614

We will need to order another balloon. I owe Jeff for the 300 Gram balloon he ordered for us. We will need another one.

JohnK

--- verhap@... wrote:
> > If so, where do we want to meet? The Jade Garden
> or
> > somewhere else? And when. Lets have some feedback
> from
> > the group so we can do the back-to-back launches
> > successfully.
>
> I can meet any day. As for the 2 Nov launch, Jeff,
> so you want to
> launch your tracker? I'd like to do a dual launch
> with trackers.
> tephanie, do you want to launch your capsule?
>
> Paul
>

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4615. Re: [tvnsp] Spell Checker

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-08 18:42:22 UTC
From: Randy Farley
Topic: 4579 Message: 4615

Go to Tools/Options/Spelling & Grammar/ then check any boxes under spelling and grammar headings you want applied.

regards

Randy Farley
Woodgrain Millwork

>>> verhap@... 10/08/02 12:08PM >>>
Does anyone know how to "turn on" spell checking in Word? My
chapters all have misspelled words. But most of them are not
highlighted. Something in the document is telling Word not to
check these words.

Paul

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4616. Re: Work Party

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-08 18:46:28 UTC
From: Justin Formolo
Topic: 4579 Message: 4616

Put my vote in for what Randy said, it's a good logical idea.

Justin, KD7PIT

--- In tvnsp@y..., "Randy Farley" <rfarley@w...> wrote:
> I say put off the hardware stuff till the snowballs fly.
>
> We need to concentrate on the two planned launches.
> Reviewing the first launch with preparation for the second one
> at the same meeting would be good. Any mistakes made on
> the first one will be fresh in our minds to correct for the
> second one, not that we are not perfect by now ;-)
> Also cuts down on my gasoline bill with one less trip.
>
> Jade Garden works for me.
>
> My meager input,
>
> Randy
> N7GPS
>
> >>> kd7hgs@y... 10/08/02 11:24AM >>>
> We were initially thinking of having a work party to
> build PCB, hardware, etc. on Oct. 26. However, that
> weekend is between the two launchs, one on Oct 19 and
> the other on Nov. 2. My thought is to wait until later
> to start working on the hardware. Do we still want to
> meet on the 26th to review the launch of Oct 19th and
> to prepare for the next launch?
>
> If so, where do we want to meet? The Jade Garden or
> somewhere else? And when. Lets have some feedback from
> the group so we can do the back-to-back launches
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>
> JohnK
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>
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4617. Re: [tvnsp] Spell Checker

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-08 20:02:11 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4579 Message: 4617

I'll give this a try at home, thanks.

Paul

> Word help says:
>
> Turn on or off automatic spelling and grammar checking
> On the Tools menu, click Options, and then click the Spelling & Grammar tab.
>
> Do one or more of the following:
> To turn on or off automatic spelling checking, select or clear the Check
> spelling as you type check box.
>
> To turn on or off automatic grammar checking, select or clear the Check
> grammar as you type check box.
> Note When you turn on automatic spelling and grammar checking, Microsoft
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> errors in this document check boxes. This enables the spelling and grammar
> checkers to mark possible errors with wavy underlines. If you find the wavy
> underlines distracting, you can select these check boxes.
>
> ----- Original Message -----
> From: <verhap@...>
> To: <tvnsp@yahoogroups.com>
> Sent: Tuesday, 08 October, 2002 12:08 PM
> Subject: [tvnsp] Spell Checker
>
>
> > Does anyone know how to "turn on" spell checking in Word? My
> > chapters all have misspelled words. But most of them are not
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> > Paul
>
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4618. TVNSP launch procedures: Go/ No Go

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-08 19:17:45 UTC
From: Hank
Topic: 4579 Message: 4618

> We need to concentrate on the two planned launches.
> Reviewing the first launch with preparation for the second one
> at the same meeting would be good.

TVNSP needs to formulate responsible, common sense policy
and guidelines governing when launches should be postponed
to the next day or next week.

Other balloon groups in much easier terrain than
Idaho/western Oregon are not at all reluctant to postpone
launches.

I'm somewhat concerned that there has been no discussion
on list of how to avoid a repeat of 02F (landing a balloon
in an area from which recovery is very difficult; changing
balloon and payload configuration only hours before launch).
I'm told that there was no such discussion at the recent TVNSP
meeting either.

02F should be the last wakeup call for TVNSP to take
responsible, thoughtful action about how it operates in the
form of a written set of procedures concerning wind and other
weather conditions as criteria for a launch postponment.

Sincerely,
Hank Riley

4619. Re: [tvnsp] TVNSP launch procedures: Go/ No Go

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-08 21:11:49 UTC
From: Randy Farley
Topic: 4579 Message: 4619

>>> n1ltv@... 10/08/02 01:17PM >>>
TVNSP needs to formulate responsible, common sense policy
and guidelines governing when launches should be postponed
to the next day or next week.

Hank,i think we most precautions necessary to prevent failures. We may not do it like every other group and we probably never will. So far,the person who has the most interest or ownership of the balloon makes the final decision to go or not go after all the planning and on the spot adjustments.
We have all the necessary set plans, check off sheets and common sense in my opinion.

Other balloon groups in much easier terrain than
Idaho/western Oregon are not at all reluctant to postpone
launches.

I think we will abort if the conditions deem necessary.
Remember we are a bit "western" and that implies we
like to break new ground. If you can adjust to conditions
this adds to the challenge in my opinion.
When my time comes to launch,and everything looks right on paper and the group says 'OK", but my gutt feels wrong, rest assurred i will over ride any plans and abort.

I'm somewhat concerned that there has been no discussion
on list of how to avoid a repeat of 02F (landing a balloon
in an area from which recovery is very difficult; changing
balloon and payload configuration only hours before launch).
I'm told that there was no such discussion at the recent TVNSP
meeting either.

I believe we discussed changes at last Friday's meeting quite well. Cutdown device changes,larger landing zones to allow for unreliable burst data on the smaller sized balloons. Sorry we forgot to put it on this list.

Adaptation to last minute changes is not bad
as long as everyone agrees. If someone did not,then they should have spoke up. I was not at the T02F launch
so i do not know any specifics.

02F should be the last wakeup call for TVNSP to take
responsible, thoughtful action about how it operates in the
form of a written set of procedures concerning wind and other
weather conditions as criteria for a launch postponment.

Written procedures are followed when i have been at most launches. Hank,we take your input and all of the other great balloon people and use them to the best of
our ability. Sorry if you feel different but we are
movin and shakin (as the kids would say) at our own pace.

I have always figured if you never make a mistake,then
you might not be learning enough. My most memorable learning experiences have been from small and large mistakes.
This is a hobby,when it goes professional,then i look for another one.

Thanks for the concern and input Hank.

Goin Huntin,so this will be my last mail till the 14th.

Randy
N7GPS

Sincerely,
Hank Riley

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4620. Re: [tvnsp] Boise Astronomical

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-09 00:40:04 UTC
From: Tim Rynearson
Topic: 4579 Message: 4620
Attachments: 2 described; binary payloads are missing from this source WARC

Ed usually checks in every morning on the over the hill commute group net on the 147.24 repeater. It starts every weekday morning at 7:15.

Tim

-------Original Message-------

From: tvnsp@yahoogroups.com
Date: Tuesday, October 08, 2002 07:48:38 AM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] Boise Astronomical

Are we still planning to coordinate with Vallivue HS
in the light we cannot make contact with them?

JohnK
--- verhap@... wrote:
> I have not heard from Ed. So at this point, no.
>
> Paul
>
>
> > Is there not a training meeting for Vallivue
> mission control this Friday, as
> > previously planned ?
> >
> > Tim
> >
> > -------Original Message-------
> >
> > From: tvnsp@yahoogroups.com
> > Date: Monday, October 07, 2002 09:44:03 AM
> > To: tvnsp@yahoogroups.com
> > Subject: Re: [tvnsp] Boise Astronomical
> >
> > I am available this friday. When/where is the
> meeting?
> > I'll bring my laptop, and some CD's with the
> pictures on it, maybe we can
> > show some photos as you suggest.
> > Thanks
> > verhap@... wrote:
> > The BAS meeting is this Friday (that's three
> meeting for me this
> > week). Jeff or Dave, can you attend to discuss

> the recovery? i'd
> > like to show a slide of the winds we encountered.
> Can we show
> > some photos? I'll bring a laptop and confirm a
> LCD will be available.
> >
> > Everyone else is invited also. Please think of
> something to say.
> > this is your chance to speak in benefit of TVNSP.
> >
> > Paul
> >
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4621. dealing with 200 gram and other small balloons

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-09 01:38:32 UTC
From: Hank
Topic: 3022 Message: 4621

> Hank - Have you been able to figure an error factor based
> on the two flights with 200gm balloons? It seems like you
> might be able to work from the starting data and the known
> burst altitude to figure out how far off the burst volume is.
>
> Bill

Figuring a corrected burst volume based on the known
burst altitude (from a TVNSP flight) is indeed the way
to go about this and is quite easy to do.

There are two things you should know:

1. There is a considerable difference in 02D and 02F
burst behaviors, both 200 gram flights. 02D was off
by about 11.5k feet, but 02F was a whopper at 19k feet
too high.

2. It's also a question of how to incorporate this
correction gracefully in LIFTWIN -- and then doing the
program rewriting.

If I had been able to know that 02F was going to end up
as a second 200 gram flight, I would have advised adding
maybe 15k feet to whatever the program said for peak
height, just because 02D was over 10k feet too high.

I have a revised LIFTWIN just about ready for release that
incorporates the ability to adjust the factory burst values
a certain amount.

Not directly related, but just an
improvement, there is a new algorithm for returning the
altitude at a given air pressure. The old procedure used
by Bill Brown was pretty good but it had numerous jumps
(discontinuities) in it. The new one is perfectly smooth.

Mark Conner recently asked me about some slightly odd results
from LIFTWIN that he noticed. They were minor but did look
strange. That's what is fixed with the new smooth function.

Hank

4622. Video clip from NSTAR capsule at GPSL 2002

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-09 03:23:37 UTC
From: Mark Conner
Topic: 4622 Message: 4622

I have a video clip showing the launch and the view at various altitudes at the following site:

http://68.13.112.250:14480/NSTAR02D/NSTAR02D.wmv

The clip is about 12 Mbytes and 5 minutes. This server should be able to uplink at about 128 kbits/sec, but I've been told it's not that fast at times. If you do download the movie on a broadband connection, please send me a short note with the bandwidth you got from me.

73 de Mark N9XTN

Mark D. Conner
E-mail: n9xtn@...
Homepage: http://members.cox.net/mconner1
"Arrogance and stupidity, all in the same package.....how efficient of you!" - Ambassador Londo Mollari, Babylon 5

4623. Re: [tvnsp] dealing with 200 gram and other small balloons

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-09 05:03:05 UTC
From: Bill Herrmann
Topic: 3022 Message: 4623

At 01:38 AM 10/9/02 +0000, Hank wrote:
> 1. There is a considerable difference in 02D and 02F
> burst behaviors, both 200 gram flights. 02D was off
> by about 11.5k feet, but 02F was a whopper at 19k feet
> too high.

Could a difference in the initial fill account for that variation? As I recall 02D was launched very hot. Can anybody comment on that? (I wasn't on either launch.)

> 2. It's also a question of how to incorporate this
> correction gracefully in LIFTWIN -- and then doing the
> program rewriting.

Obviously I haven't looked at that end of LiftWin, but I would suspect that you have a table of manufacturer's data somewhere. The long term right answer would seem to me to be adding a second table of correction factors. This would allow tweaking the behavior based on experimental data without changing the manufacturers spec. Again, I can't judge how hard that would be given the architecture of the program. A quick fix might be to tweak the manufacturer's data table.

Bill

4624. Updated Beacon code

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-09 14:26:30 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4624 Message: 4624

For those of you who ordered a near space beacon, I've updated the code. Please us this in place of the code listed in the documentation. The primary change is in the freqout command.

Paul

```
'****************************
'* Simple Beacon *
'* Code For BS2x *
'****************************
' In the lookup table...
' dit = 0
' dah = 1
' pause = 2
'****************************
'* I/O Pins *
'****************************
Audio con 9
PTT con 8
'****************************
'* Variables and Constants *
'****************************
character var byte
ditdah var nib
loop var nib

beacon:
high ptt
for character = 0 to 23
lookup
character,[1,0,1,2,1,0,0,2,0,0,0,0,1,2,0,0,2,1,2,0,0,0,0],ditdah
if ditdah = 0 then dit
if ditdah = 1 then dah
space:
pause 500
goto EndCWID
dit:
freqout audio,1000,100
pause 250
goto EndCWID
dah:
freqout audio,2000,100
pause 250
EndCWID:
next
low ptt
```

```
return
```

4625. Digital Camera

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-09 15:09:42 UTC
From: Stephanie Steele
Topic: 4625 Message: 4625

Hi Paul,

I don't remember if I told you but I bought a SiPix camera to see if we can make it work for our flights. I contacted the mfg to see if they would sell me a schematic for the camera or if they would perform the needed mods but they are not interested and refuse to sell or otherwise provide a schematic or any technical information or mods on the camera or it's firmware. They implied that they were afraid that I was trying to perform some corporate espionage on them. They are a little paranoid I think.

Who have you been using locally to hack the digital cameras to provide external connectors for power, shutter etc. ? Are you interested in doing that with this camera? I'll donate the victim er I mean camera if you want to have the mods attempted.

Stephanie

verhap@... wrote:
>>If so, where do we want to meet? The Jade Garden or
>>somewhere else? And when. Lets have some feedback from
>>the group so we can do the back-to-back launches
>>successfully.
>
>
> I can meet any day. As for the 2 Nov launch, Jeff, so you want to
> launch your tracker? I'd like to do a dual launch with trackers.
> tephanie, do you want to launch your capsule?
>
> Paul
>
>
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>

--
Stephanie

****

Friends are quiet angels who lift us to our feet when our wings have
trouble remembering how to fly.

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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4626. Re: [tvnsp] Digital Camera

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-09 17:25:18 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4625 Message: 4626

> I don't remember if I told you but I bought a SiPix camera to see if we
> can make it work for our flights. I contacted the mfg to see if they
> would sell me a schematic for the camera or if they would perform the
> needed mods but they are not interested and refuse to sell or otherwise
> provide a schematic or any technical information or mods on the camera
> or it's firmware. They implied that they were afraid that I was trying
> to perform some corporate espionage on them. They are a little paranoid
> I think.
>
> Who have you been using locally to hack the digital cameras to provide
> external connectors for power, shutter etc. ? Are you interested in
> doing that with this camera? I'll donate the victim er I mean camera if
> you want to have the mods attempted.

I didn't know you had purchased one. I looked at it last week and
was sorely tempted, however, my mothly budget was even more
sore, so I couldn't afford it. I like the SiPix since it's so tiny. I say
we dissect that puppy. When it's in its package, you can't see the
back of it. Are there screws in the back that we can remove to
open it up? I need to see the shutter switch to determine if I can
modify it (I want to add this to my book). If it looks difficult, we
take it to Photek. I've had good sucess with them modifying
cameras.

Paul

4627. Re: [tvnsp] Digital Camera

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-09 16:44:51 UTC
From: Stephanie Steele
Topic: 4625 Message: 4627

Yes, there are screws. We also need to modify the APO somehow. I'll donate it for experimentation. I don't have time to do it myself until mid-winter.

Stephanie

verhap@... wrote:
>>I don't remember if I told you but I bought a SiPix camera to see if we
>>can make it work for our flights. I contacted the mfg to see if they
>>would sell me a schematic for the camera or if they would perform the
>>needed mods but they are not interested and refuse to sell or otherwise
>>provide a schematic or any technical information or mods on the camera
>>or it's firmware. They implied that they were afraid that I was trying
>>to perform some corporate espionage on them. They are a little paranoid
>>I think.
>>
>>Who have you been using locally to hack the digital cameras to provide
>>external connectors for power, shutter etc. ? Are you interested in
>>doing that with this camera? I'll donate the victim er I mean camera if
>>you want to have the mods attempted.
>
>
> I didn't know you had purchased one. I looked at it last week and
> was sorely tempted, however, my mothly budget was even more
> sore, so I couldn't afford it. I like the SiPix since it's so tiny. I say
> we dissect that puppy. When it's in its package, you can't see the
> back of it. Are there screws in the back that we can remove to
> open it up? I need to see the shutter switch to determine if I can
> modify it (I want to add this to my book). If it looks difficult, we
> take it to Photek. I've had good sucess with them modifying
> cameras.
>
> Paul
>
>
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>

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Stephanie

****

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trouble remembering how to fly.

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
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4628. Re: [tvnsp] Digital Camera

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-09 18:08:18 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4625 Message: 4628

What is APO?

Paul

> Yes, there are screws. We also need to modify the APO somehow. I'll
> donate it for experimentation. I don't have time to do it myself until
> mid-winter.
>
> Stephanie
>
>
>
> verhap@... wrote:
> >>I don't remember if I told you but I bought a SiPix camera to see if we
> >>can make it work for our flights. I contacted the mfg to see if they
> >>would sell me a schematic for the camera or if they would perform the
> >>needed mods but they are not interested and refuse to sell or otherwise
> >>provide a schematic or any technical information or mods on the camera
> >>or it's firmware. They implied that they were afraid that I was trying
> >>to perform some corporate espionage on them. They are a little paranoid
> >>I think.
> >>
> >>Who have you been using locally to hack the digital cameras to provide
> >>external connectors for power, shutter etc. ? Are you interested in
> >>doing that with this camera? I'll donate the victim er I mean camera if
> >>you want to have the mods attempted.
> > >
> > >
> > > I didn't know you had purchased one. I looked at it last week and
> > > was sorely tempted, however, my mothly budget was even more
> > > sore, so I couldn't afford it. I like the SiPix since it's so tiny. I say
> > > we dissect that puppy. When it's in its package, you can't see the
> > > back of it. Are there screws in the back that we can remove to
> > > open it up? I need to see the shutter switch to determine if I can
> > > modify it (I want to add this to my book). If it looks difficult, we
> > > take it to Photek. I've had good sucess with them modifying
> > > cameras.
> > >
> > > Paul
> > >
> > >
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> --
> Stephanie
>
> ******************************
>
> Friends are quiet angels who lift us to our feet when our wings have
> trouble remembering how to fly.
>
> ******************************
>
> "They that can give up essential liberty to obtain a little temporary
> safety deserve neither liberty nor safety."
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> Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.
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> "Those who desire to give up freedom in order to gain security will not
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> President Thomas Jefferson.
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4629. Vallivue Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-09 18:23:17 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4629 Message: 4629

Ed will be at the VOI meeting tonight to discuss the launch. He's excited about it. I'll bring the lesson plans. Let's get TVNSP crew to pull Ed aside to clear up any issues.

Paul

4630. Re: dealing with 200 gram and other small balloons

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-09 19:14:50 UTC
From: Hank
Topic: 3022 Message: 4630

> > 1. There is a considerable difference in 02D and 02F
> > burst behaviors, both 200 gram flights. 02D was off
> > by about 11.5k feet, but 02F was a whopper at 19k feet
> > too high.
>
> Could a difference in the initial fill account for that variation?
> As I recall 02D was launched very hot. Can anybody comment on that?
(I wasn't on either launch.)

Bill,

The above overshoots of 11.5 and 19k feet already take into account the degrees of fill as reported to this list by the responsible TVNSP member.

It isn't always easy to get an exact measure of lift before launch, but any data is better than no data with these large overshoots. The TVNSP lift measurements for both flights were probably quite accurate anyway.

> > 2. It's also a question of how to incorporate this
> > correction gracefully in LIFTWIN -- and then doing the
> > program rewriting.
>
> Obviously I haven't looked at that end of LiftWin, but I
> would suspect that you have a table of manufacturer's
> data somewhere. The long term right answer would seem to
> me to be adding a second table of correction factors.

Perhaps when more performance data accumulates that would be a very worthwhile idea to implement. So far there are only the two 200 gram flights by TVNSP and a report from EOSS of a big overshoot on a 300 gram balloon.

I think Mark recently mentioned a small balloon flight that he did a while ago.

> This would allow tweaking the behavior based on experimental
> data without changing the manufacturers spec. Again, I can't
> judge how hard that would be given the architecture of the
> program. A quick fix might be to tweak the manufacturer's
> data table.

The quick and very easy fix is to add on about 15,000 feet to whatever the present program says for these small balloons. It bears repeating that we all strive for accuracy in trying to predict payload landing spots, but it's not uncommon

for predictions to be 8 or more miles from actual landing spots.

As for program changes, it's not an issue of difficulty really. It's a matter of coming up with a user interface that is natural and fits the situation, and that will last for a while without needing to be rewritten.

Hank

4631. Re: Digital Camera

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-09 19:24:19 UTC
From: Hank
Topic: 4625 Message: 4631

> What is APO?

I think it means auto power off. Camera shuts itself off
after a certain period of inactivity.

4632. Re: Digital Camera

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-09 19:46:47 UTC
From: Hank
Topic: 4625 Message: 4632

> I contacted the mfg to see if they would sell me a schematic
> for the camera or if they would perform the needed mods but
> they are not interested and refuse to sell or otherwise
> provide a schematic or any technical information or mods
> on the camera or its firmware.

This is standard procedure for a corporation in a highly
competitive, technology intensive field. You will never
get a schematic of a current camera model as an ordinary
citizen (i.e., not a factory authorized repair facility
person).

> They implied that they were afraid that I was trying to
> perform some corporate espionage on them. They are a little
> paranoid I think.

This is very common. Once I called a manufacturer of
meteorological instruments and inquired about a high
precision altimeter/barometer product used at airports.

I casually mentioned their radiosonde line and that I
happened by coincidence to have worked once for a company
(maybe 10 years prior) that had recently acquired a competing
radiosonde company (there are only a handful in the world).
This fellow immediately said that he shouldn't be even
speaking with me. He did keep talking, though. :)

That's just the way it is in industry.

4633. Re: [tvnsp] Re: Digital Camera

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-09 20:06:09 UTC
From: Zack Clobes
Topic: 4625 Message: 4633

I ordered schematics on a 5 yr. old monitor a while back and practically had to sign away my first-born. They wanted to make sure that I was using the schematics strictly for troubleshooting and repair purposes, and would not be passing them on to any competitors.

Zack Clobes, W0ZC
Project: Traveler
www.rckara.org/

----- Original Message -----
From: "Hank" <n1ltv@...>
To: <tvnsp@yahoogroups.com>
Sent: Wednesday, October 09, 2002 2:46 PM
Subject: [tvnsp] Re: Digital Camera

> > I contacted the mfg to see if they would sell me a schematic
> > for the camera or if they would perform the needed mods but
> > they are not interested and refuse to sell or otherwise
> > provide a schematic or any technical information or mods
> > on the camera or its firmware.
>
> This is standard procedure for a corporation in a highly
> competitive, technology intensive field. You will never
> get a schematic of a current camera model as an ordinary
> citizen (i.e., not a factory authorized repair facility
> person).
>
> > They implied that they were afraid that I was trying to
> > perform some corporate espionage on them. They are a little
> > paranoid I think.
>
> This is very common. Once I called a manufacturer of
> meteorological instruments and inquired about a high
> precision altimeter/barometer product used at airports.
>
> I casually mentioned their radiosonde line and that I
> happened by coincidence to have worked once for a company
> (maybe 10 years prior) that had recently acquired a competing
> radiosonde company (there are only a handful in the world).
> This fellow immediately said that he shouldn't be even
> **speaking** with me. He did keep talking, though. :)
>
> That's just the way it is in industry.
>
>
>

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4634. Re: [tvnsp] Digital Camera

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-10 00:23:08 UTC
From: Stephanie Steele
Topic: 4625 Message: 4634

Auto Power Off .... Sorry!

verhap@... wrote:
> What is APO?
>
> Paul
>
>
>>Yes, there are screws. We also need to modify the APO somehow. I'll
>>donate it for experimentation. I don't have time to do it myself until
>>mid-winter.
>>
>>Stephanie
>>
>>
>>
>>verhap@... wrote:
>>
>>>>I don't remember if I told you but I bought a SiPix camera to see if we
>>>>can make it work for our flights. I contacted the mfg to see if they
>>>>would sell me a schematic for the camera or if they would perform the
>>>>needed mods but they are not interested and refuse to sell or otherwise
>>>>provide a schematic or any technical information or mods on the camera
>>>>or it's firmware. They implied that they were afraid that I was trying
>>>>to perform some corporate espionage on them. They are a little paranoid
>>>>I think.
>>>>
>>>>Who have you been using locally to hack the digital cameras to provide
>>>>external connectors for power, shutter etc. ? Are you interested in
>>>>doing that with this camera? I'll donate the victim er I mean camera if
>>>>you want to have the mods attempted.
>>>
>>>
>>>I didn't know you had purchased one. I looked at it last week and
>>>was sorely tempted, however, my mothly budget was even more
>>>sore, so I couldn't afford it. I like the SiPix since it's so tiny. I say
>>>we dissect that puppy. When it's in its package, you can't see the
>>>back of it. Are there screws in the back that we can remove to
>>>open it up? I need to see the shutter switch to determine if I can
>>>modify it (I want to add this to my book). If it looks difficult, we
>>>take it to Photek. I've had good sucess with them modifying
>>>cameras.
>>>
>>>Paul
>>>

>>>
>>>To unsubscribe from this group, send an email to:
>>>tvnsp-unsubscribe@egroups.com
>>>
>>>
>>>
>>>Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>>>
>>>
>>>
>>>
>>
>>
>>--
>>Stephanie
>>
>>*********************************
>>
>>Friends are quiet angels who lift us to our feet when our wings have
>>trouble remembering how to fly.
>>
>>*********************************
>>
>>"They that can give up essential liberty to obtain a little temporary
>>safety deserve neither liberty nor safety."
>>
>>Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.
>>
>>"Those who desire to give up freedom in order to gain security will not
>>have, nor do they deserve, either one."
>>
>>President Thomas Jefferson.
>> 1743-1826
>>
>>*********************************
>>
>>Send and receive money safely over the Internet by using PayPal. I use
>>it and highly recommend it as a safe and reliable means to conduct
>>business. By using the link below we both will receive a $5 sign up bonus.
>>
>>https://www.paypal.com/refer/pal=kc7dba%40arrl.net
>>
>>*********************************
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>>
>>
>>de recta non tolerandum sunt
>>
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>

--
Stephanie

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business. By using the link below we both will receive a $5 sign up bonus.

https://www.paypal.com/refer/pal=kc7dba%40arrl.net

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4635. UV lamps.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-10 00:42:24 UTC
From: Jeff Melanson
Topic: 4635 Message: 4635

Paul,

What was the name of the store that you get your UV lamps
from?

Jeff
KD7INN

4636. Re: [tvnsp] UV lamps.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-10 14:36:21 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4635 Message: 4636

It's Builders Lighting on Milwaukee. It's located south of the
Borders bookstore and on the opposite side of the street. It's
across the street from an Italian restaurant. I believe it's on the
interesction with Rifleman.

Be sure the to the ones that end in -BL, do not use the ones that
end in -BLB.

Paul

> Paul,
>
> What was the name of the store that you get your UV lamps
> from?
>
> Jeff
> KD7INN
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>

4637. Top 10 Bumper Stickers

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-10 14:52:26 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4637 Message: 4637

[Body unavailable in the source archive]

4638. T-shirt Idea

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-10 14:55:59 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4638 Message: 4638

I just had an idea about t-shirts. Would anyone be interested in making a t-shirt at the end of the launch season that looks like a rock band tour t-shirt? On the back would be printed,

TVNSP Near Space Tour

Then follows a list of flights, launch location, and altitude.

Whadda think?

Paul "Near Space Groupie" Verhage

4639. Emmett

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-10 15:06:55 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4578 Message: 4639

I found out last night that the Emmett Club meets next week, not this week. They changed their meeting nights to the third Thursday, from the second Thursday.

Does anyone plan to attend? I'll present on TVNSP, but would like some help.

Paul

4640. Re: [tvnsp] Top 10 Bumper Stickers

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-10 14:10:06 UTC
From: Dan
Topic: 4637 Message: 4640

Print ALL your bumper sticker lines on the T-shirt too.
Just a thought.
----- Original Message -----
From: verhap@...
To: tvnsp@yahoogroups.com ; knsp@egroups.com
Sent: Thursday, October 10, 2002 9:52 AM
Subject: [tvnsp] Top 10 Bumper Stickers

I've put together a list of top 10 bumper stickers for one of my chapters. Unfortunately, I have 13 of them. If you get a moment, could you vote for three of them from the island? I would like to hear your opinion as to the weakest three of the ideas. I have an opinion about some of them, but would like some other opionions.

By the way, if you come up with a great one, please let me know. If I add it to my list, I'll write you in for credit.

Paul

Ten Near Space Bumper Stickers

1. Have APRS, Will Travel

2. Got Helium?

3. 100,000 Feet?
Been There, Done That

4. Conquering Near Space, One Syntax Error At A Time

5. Will Chase Balloons For Food

6. Amateur Near Space, Not Just Amateur Science, It's An Adventure

7. If I Were A Weather Balloon, I'd Be At 100,000 Feet By Now

8. 100,000 feet and Bust!

9. 0 to 100,000 Feet In 120 Minutes

10. Near Space Recovery, The Ultimate Road Rally

11. Eat, Sleep, Chase Balloons

12. I'd Rather Be Near Space Chasing
.
13. Helium, It Does A Balloon Good

4641. Re: [tvnsp] Top 10 Bumper Stickers

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-10 14:39:21 UTC
From: Stephanie Steele
Topic: 4637 Message: 4641

I kind of like top ten lists with more than 10 items. Eccentricity is my life!

Stephanie

verhap@... wrote:
> I've put together a list of top 10 bumper stickers for one of my
> chapters. Unfortunately, I have 13 of them. If you get a moment, could
> you vote for three of them from the island? I would like to hear your
> opinion as to the weakest three of the ideas. I have an opinion about
> some of them, but would like some other opionions.
>
> By the way, if you come up with a great one, please let me know. If I
> add it to my list, I'll write you in for credit.
>
> Paul
>
> Ten Near Space Bumper Stickers
>
> 1. Have APRS, Will Travel
>
> 2. Got Helium?
>
> 3. 100,000 Feet?
> Been There, Done That
>
> 4. Conquering Near Space, One Syntax Error At A Time
>
> 5. Will Chase Balloons For Food
>
> 6. Amateur Near Space, Not Just Amateur Science, It's An Adventure
>
>
> 7. If I Were A Weather Balloon, I'd Be At 100,000 Feet By Now
>
> 8. 100,000 feet and Bust!
>
> 9. 0 to 100,000 Feet In 120 Minutes
>
> 10. Near Space Recovery, The Ultimate Road Rally
>
> 11. Eat, Sleep, Chase Balloons
>
> 12. I'd Rather Be Near Space Chasing
> .

> 13. Helium, It Does A Balloon Good
>
>
>
>
>

--
Stephanie

****

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trouble remembering how to fly.

****

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President Thomas Jefferson.
1743-1826

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4642. Re: [tvnsp] Top 10 Bumper Stickers

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-10 14:36:59 UTC
From: Stephanie Steele
Topic: 4637 Message: 4642

I have some ideas, especially for our group.

"Got Wilderness?"

"Got Tree?"

"Anyone seen my balloon?"

"Going, going, gone!"

"Oops!"

;-)

Stephanie

verhap@... wrote:
> I've put together a list of top 10 bumper stickers for one of my
> chapters. Unfortunately, I have 13 of them. If you get a moment, could
> you vote for three of them from the island? I would like to hear your
> opinion as to the weakest three of the ideas. I have an opinion about
> some of them, but would like some other opionions.
>
> By the way, if you come up with a great one, please let me know. If I
> add it to my list, I'll write you in for credit.
>
> Paul
>
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>
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> Been There, Done That
>
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>
> 9. 0 to 100,000 Feet In 120 Minutes
>
> 10. Near Space Recovery, The Ultimate Road Rally
>
> 11. Eat, Sleep, Chase Balloons
>
> 12. I'd Rather Be Near Space Chasing
> .
> 13. Helium, It Does A Balloon Good

--
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****

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****

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4643. Re: [tvnsp] Top 10 Bumper Stickers

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-10 17:17:23 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4637 Message: 4643

I like this one!

> "Anyone seen my balloon?"

Paul

4644. Re: [tvnsp] T-shirt Idea

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-10 18:08:19 UTC
From: Mike Garske
Topic: 4638 Message: 4644

I like the T-shirt idea!

Mike KC7DPD
www.tvnsp.org
----- Original Message -----
From: <verhap@...>
To: <tvnsp@yahoogroups.com>
Sent: Thursday, October 10, 2002 8:55 AM
Subject: [tvnsp] T-shirt Idea

> I just had an idea about t-shirts. Would anyone be interested in
> making a t-shirt at the end of the launch season that looks like a
> rock band tour t-shirt? On the back would be printed,
>
> TVNSP Near Space Tour
>
> Then follows a list of flights, launch location, and altitude.
>
> Whadda think?
>
> Paul "Near Space Groupie" Verhage
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
>

4645. NWS 800g balloons

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-10 18:27:23 UTC
From: n9xtn@cox.net
Topic: 4645 Message: 4645

Found this while doing a Google search. Haven't found anything yet regarding what the NWS overall results were.

Upper Air Balloon Test

The NWS will conduct a field test with high modulus upper air balloons for the period December 1, 1996 to March 31, 1997. A total of 13 sites will take part in the test.

Bismarck, Davenport, and Grand Junction are the Central Region offices that have been selected to participate. Sites with higher incidences of limiting angles were selected in order to get the maximum benefits of the test.

The balloons being tested are 800 gram high modulus balloons manufactured by KKS and Totex. The high modulus balloons have a tighter and tougher skin that will not elongate (remain spherical in shape) and are more resistant to tears and holes. The design of the balloon allows for a faster ascension rate with the same amount of nozzle lift as with the Kaysam 600 gram general purpose balloons currently being used. The high modulus balloons typically ascend approximately 50 meters per minute faster from the surface to 400 hPa than the general purpose balloons. The ascension rate from 400 hPa to termination is only slightly higher with the high modulus balloons.

The purpose of the test is to determine the operational differences between a general purpose and a high modulus balloon. If a high modulus balloon with an average ascension rate of 350 to 375 meters per minute is compared with a general purpose balloon that achieves the typical 275 to 300 meters per minute ascension rate the following questions are hoped to be answered:

1. What decrease in number of flights with limiting angles can be expected?
2. What increase may be realized in burst altitudes?

3. What decrease may be realized in the number of transponders used?

4. What decrease may be expected in the number of second releases and failed flights?

5. What decrease may be expected in the number of severe weather balloons used?

6. What cost savings may be realized by: decrease in balloon cost; decrease in number of transponders used; decrease in number of second releases and failed flights; and decrease in number of severe weather balloons used?

W/CR42x4 - Robert J. Bonack

4646. Re: [tvnsp] Top 10 Bumper Stickers

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-10 22:46:57 UTC
From: Jeff Melanson
Topic: 4637 Message: 4646

What about the obvious one?

"Up, Up, and Away!"

Or

"It's a bird! It's a plane! It's Underdog! No, it's a Space
Capsule!"

Jeff
KD7INN

verhap@... wrote:
>
> I like this one!
>
> > "Anyone seen my balloon?"
>
> Paul
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

4647. Re: [tvnsp] T-shirt Idea

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-11 03:10:24 UTC
From: Tim Rynearson
Topic: 4638 Message: 4647
Attachments: 2 described; binary payloads are missing from this source WARC

Paul,
I'd like to offer my services for printing these shirts. I have a
complete screenprinter and have been printing shirts for three years now....

Tim

-------Original Message-------

From: tvnsp@yahoogroups.com
Date: Thursday, October 10, 2002 07:28:09 AM
To: tvnsp@yahoogroups.com
Subject: [tvnsp] T-shirt Idea

I just had an idea about t-shirts. Would anyone be interested in
making a t-shirt at the end of the launch season that looks like a
rock band tour t-shirt? On the back would be printed,

TVNSP Near Space Tour

Then follows a list of flights, launch location, and altitude.

Whadda think?

Paul "Near Space Groupie" Verhage

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4648. Re: [tvnsp] Top 10 Bumper Stickers

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-11 03:12:28 UTC
From: Tim Rynearson
Topic: 4637 Message: 4648
Attachments: 2 described; binary payloads are missing from this source WARC

"HAVE YOU HUGGED YOUR CAPSULE TODAY ?"

Tim.....

-------Original Message-------

From: tvnsp@yahoogroups.com
Date: Thursday, October 10, 2002 10:26:39 AM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] Top 10 Bumper Stickers

I like this one!

> "Anyone seen my balloon?"

Paul

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---~->

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4649. T-Shirts

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-11 13:59:26 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 479 Message: 4649

So far, only one person has said if they liked (or disliked) the idea of the TVNSP Near Space Tour T-shirt. If we designed this, would anyone order one?

Tim, can you give us a cost if we ordered between 6 and 12 t-shirts?

Paul

4650. Idaho Clubs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-11 14:02:29 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4650 Message: 4650

Is there a complete listing of Idaho Radio Clubs? Doug, is this someting VOI keeps? I know arrl.org has a list of affliated clubs.

I think I'd like to arrange to speak to all of the Idaho clubs about TVNSP over the course of a year. I plan to start with the ARRL site. If anyone knows of a more complete list, please let me know.

Thanks,
Paul

4651. PC

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-11 14:04:31 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4325 Message: 4651

Russ, the PCs are at Mike's house. We'll need your friend to call
him. Mike, can you pass your phone number onto Russ?

Let's see if we can get one of those PCs out of there this weekend.

Paul

4652. Re: [tvnsp] Idaho Clubs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-11 13:49:22 UTC
From: Doug Rich
Topic: 4650 Message: 4652

· 30 Known Clubs
· · Boise County ARC, Inc.
· 216 E. 44th St.
· Garden City, ID 83714

· Bonner County ARC
· P.O. Box 1151, Sagle, ID 83860
· 4415 Meadow Lane, Sagle, ID 83860

· Camas Prairie ARC (208) 983-2001
· 522 Elk St.
· Grangeville, ID 83530-1418

· Central Idaho ARC
· 300 Stibnite St.
· McCall, ID 83638

· Clearwater Valley ARC
· P.O. Box 1263
· Orofino, ID 83544

· Eagle Rock ARC
· P.O. Box 2415
· Idaho Falls, ID 83403

· Elmore County Radio Association
· 400 N. 4th. West
· Mountain Home, ID 83647

· Emmett ARC
· 711 E. 3rd. St.
· Emmett, ID 83617

· Evergreen Chapter QCWA #87
· Attention: A. S. Cutting, W7ENQ
· 499 Paradise Dr.
· Moscow, ID 83843

· Gem State Chapter QCWA #201
· 206 W. Waterbury Dr.
· Meridian, ID 83642

· Hewlett Packard ARC
· 8601 San Marino Dr.
· Boise, ID 83704

· Idaho Amateur Repeater Association
· Attention: Ed Groeger KA7DIS

· 3210 W. Pine Hill Dr.-P.O. Box 967
· Coeur d'Alene, ID 83816

· ISRA - Boise Chapter
· Attention: William M. Smith, W7GHT
· 8946 W. Wichita Dr.
· Boise, ID 83709

· Idaho State Radio Amateurs
· 1600 2nd Ave. East
· Twin Falls, ID 83301

· Idaho State University ARC W7ISU = club call
· Campus Box 8380 Idaho State University
· Pocatello, ID 83209-8380

· Kootenai Amateur Radio Society K7ID = club call
· Attention: Robert G. Pittsley, KC7RNT
· 4301 Ramsey RD. A3-22 (P.O. Box 5222)(Zip Code 83816)
· Coeur d A'lene, ID 83814

· Lewiston Clarkston ARC W7VJD = club call
· P.O. Box 1551
· Lewiston, ID 83501

· Lewis and Clark Trail Hilltop DXer's
· Attention: Elmer Robertson, KJ7XK
· P.O. Box 1484
· Orofino, ID 83544-1484

· Magic Valley Chapter-ISRA Twin Falls/Burley
· Attention: Joe Herring, WI5E
· 4190 North 1566 East
· Buhl, ID 83316

· Palouse Hills ARC (208) 882-2078
· Attention: Harvey Howard, N7SIF
· 809 Leith St.
· Moscow, ID 83843-9212

· Pocatello ARC
· Attention: Mike Friel, KB7WYI
· 835 Edna Loop
· Pocatello, ID 83201

· Races (Idaho Bureau of Disaster Services)
· Attention: John J. Cline, K7BDS
· 11714 W. Silver City St.
· Boise, ID 83713-7859

· Red Cross Hams (Greater Idaho Chapter-American Red Cross)
· Attention: T. R. "Rex" Green, K7DMV
· P.O. Box 3613

· Boise, ID 83703

· Snake River ARC, Inc. K7SI = club call
· P.O. Box 3252
· Nampa, ID 83653-3252

· Snake River Chapter ISRA
· Attention: Michael L. Johnson, WA7NRP
· 850 Almo, P.O. Box 833
· Burley, ID 83318-0833

· Southwest Idaho Contest Club NA7ID = club call
· 4403 Keldoon
· Boise, ID 83702

· Treasure Valley Radio Association, Inc. K7OJI = club call
· P.O. Box 888
· Fruitland, ID 83619

· University of Idaho ARC W7UQ = club call
· Attention: Sam M. W. Scripter, KN7C
· 307 B McClure Hall Geography Dept. Room-203
· Moscow, ID 83844-3021

· Voice of Idaho ARC, Inc. W7VOI = club call
· P.O. Box 812
· Boise, ID 83701

· Wood River ARC.
· P.O. Box 1081
· Hailey, ID 83333

At 07:02 AM 10/11/02 -0700, verhap@... wrote:
>Is there a complete listing of Idaho Radio Clubs? Doug, is this
>someting VOI keeps? I know arrl.org has a list of affliated clubs.
>
>I think I'd like to arrange to speak to all of the Idaho clubs about
>TVNSP over the course of a year. I plan to start with the ARRL
>site. If anyone knows of a more complete list, please let me know.
>
>Thanks,
>Paul

4653. Re: [tvnsp] Idaho Clubs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-11 15:03:20 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4650 Message: 4653

> · 30 Known Clubs

That's more than I thought. I'll see if I can start contacting them.

I plan to travel during my Winter break. I'll see if I can visit with on
of them on 20 December.

Paul

4654. Re: [tvnsp] Idaho Clubs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-11 14:25:10 UTC
From: Dave Lastname
Topic: 4650 Message: 4654

The UofI club is down to a core of 3 or 4 people.... I'll be up there in a few weeks, and could do a presentation then if you like. But after Nov I wont have any reason to go up there anymore.... So let me know this week if you could.... and email the stuff to me if need be...

And you did the HP club last year.....

I'm taking electrical engineering classes at BSU at would be happy to investigate their club and do a presentation.....

You can take the other 27 ;) hee hee, maybe some other members rub elbows with the other clubs? 30 is alot for one guy to do.

verhap@... wrote:
Is there a complete listing of Idaho Radio Clubs? Doug, is this
someting VOI keeps? I know arrl.org has a list of affliated clubs.

I think I'd like to arrange to speak to all of the Idaho clubs about
TVNSP over the course of a year. I plan to start with the ARRL
site. If anyone knows of a more complete list, please let me know.

Thanks,
Paul

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4655. Re: [tvnsp] Idaho Clubs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-11 15:42:32 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4650 Message: 4655

> The UofI club is down to a core of 3 or 4 people.... I'll be up there in a few weeks, and could do a presentation then if you like. But after Nov I wont have any reason to go up there anymore.... So let me know this week if you could.... and email the stuff to me if need be...

I'll get a slide show for you. Jeff, do we have any extra videos?

> And you did the HP club last year.....

Yep, I did.

> I'm taking electrical engineering classes at BSU at would be happy to investigate their club and do a presentation.....

I'd like to work with you on that one.

> You can take the other 27 ;) hee hee, maybe some other members rub elbows with the other clubs? 30 is alot for one guy to do.

I'm hoping several clubs could get together for a presentation.
However, my summers are wide open.

Paul

4656. Re: [tvnsp] Idaho Clubs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-11 14:57:57 UTC
From: Dave Lastname
Topic: 4650 Message: 4656

Sounds like a plan, if you want me to swing by and pick anything up (videos/capsule whatever) just say so, i'll initiate contact with the UofI club, and invite the WSU club (And other local clubs) to the presentation as well if it's okay with you, this might get a total of 7 to 10 at the presentation.
Just to let you know, i checked out the webpages of BSU and there is no mention of a ham radio club (even on the student clubs page). I called the "student activities coordinator" and they are totally unaware of any BSU ham club. I did find a guy online (Dan 'dan@...') who says on his webpage he's a ham who went to BSU, so i emailed him.... Thats about all i can do, unless someone knows a name or contact of someone in the club at BSU (if there is one).

verhap@... wrote:> The UofI club is down to a core of 3 or 4 people.... I'll be up there in a few weeks,
and could do a presentation then if you like. But after Nov I wont have any reason
to go up there anymore.... So let me know this week if you could.... and email the stuff to me if need be...

I'll get a slide show for you. Jeff, do we have any extra videos?

> And you did the HP club last year.....

Yep, I did.

> I'm taking electrical engineering classes at BSU at would be happy to investigate their club and do a presentation.....

I'd like to work with you on that one.

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I'm hoping several clubs could get together for a presentation.
However, my summers are wide open.

Paul

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4657. Re: [tvnsp] Idaho Clubs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-11 16:18:01 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4650 Message: 4657

I have a half scale capsule you can use as a prop. I've got videos
you could barrow also. Will you be at next weeks meeting?

Paul
>
> Sounds like a plan, if you want me to swing by and pick anything up (videos/capsule whatever) just say so, i'll initiate contact with the UofI club, and invite the WSU club (And other local clubs) to the presentation as well if it's okay with you, this might get a total of 7 to 10 at the
presentation.
> Just to let you know, i checked out the webpages of BSU and there is no mention of a ham radio club (even on the student clubs page). I called the "student activities coordinator" and they are totally unaware of any BSU ham club. I did find a guy online (Dan 'dan@...') who says on his
webpage he's a ham who went to BSU, so i emailed him.... Thats about all i can do, unless someone knows a name or contact of someone in the club at BSU (if there is one).

4658. PC for Russ

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-11 15:23:37 UTC
From: Mike Garske
Topic: 4658 Message: 4658

Russ,

My phone number is 846-9219.....if we can arrange a meeting to deliver the PC sometime after 5:00pm either today or tomorrow, that would work for me.

Thanks,
Mike KC7DPD
www.tvnsp.org

4659. Re: [tvnsp] Idaho Clubs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-11 15:29:43 UTC
From: Dave Lastname
Topic: 4650 Message: 4659

I cant make the meeting, my weekends are booked solid (my wife lives 300 miles north). Maybe someone from HP could pick up the stuff at the meeting, and i could get it at work? Otherwise i'm happy to swing out to Nampa sometime and pick it up from your place.
verhap@... wrote:I have a half scale capsule you can use as a prop. I've got videos you could barrow also. Will you be at next weeks meeting?

Paul
>
> Sounds like a plan, if you want me to swing by and pick anything up (videos/capsule whatever) just say so, i'll initiate contact with the UofI club, and invite the WSU club (And other local clubs) to the presentation as well if it's okay with you, this might get a total of 7 to 10 at the
presentation.
> Just to let you know, i checked out the webpages of BSU and there is no mention of a ham radio club (even on the student clubs page). I called the "student activities coordinator" and they are totally unaware of any BSU ham club. I did find a guy online (Dan 'dan@...') who says on his
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4660. Re: [tvnsp] PC for Russ

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-11 16:05:50 UTC
From: John Knapp
Topic: 4658 Message: 4660

I have a PC for someone, I thought it was for Russ or
somebody that works with him.

JohnK

--- Mike Garske <kc7dpd@...> wrote:
> Russ,
>
> My phone number is 846-9219.....if we can
> arrange a meeting to deliver the PC sometime after
> 5:00pm either today or tomorrow, that would work for
> me.
>
> Thanks,
> Mike KC7DPD
> www.tvnsp.org

_____
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4661. Re: [tvnsp] PC for Russ

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-11 17:18:59 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4658 Message: 4661

John, did you pick up the complete PC? That's the one we need to
sell first.

Paul

> I have a PC for someone, I thought it was for Russ or
> somebody that works with him.
>
> JohnK
>
> --- Mike Garske <kc7dpd@...> wrote:
> > Russ,
> >
> > My phone number is 846-9219.....if we can
> > arrange a meeting to deliver the PC sometime after
> > 5:00pm either today or tomorrow, that would work for
> > me.
> >
> > Thanks,
> > Mike KC7DPD
> > www.tvnsp.org
>
>
> _____
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4662. Re: [tvnsp] Idaho Clubs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-11 16:33:23 UTC
From: bherrman@spro.net
Topic: 4650 Message: 4662

> I think I'd like to arrange to speak to all of the Idaho clubs
> about TVNSP over the course of a year.

I'd be interested in helping present to the Idaho Fall's club (Eagle Rock ARC) at some point.

However, I will mention that they do not seem to be familiar with APRS over there. I was thinking about trying to get hooked up with them at some point and do some education to try and help the APRS infrastructure over that way. Last time I was over there with a tracker I managed to get out from Craters of the Moon, but that was via Harin. I heard zero, zip, nada on 144.39 while I was in IF.

Bill

4663. Re: [tvnsp] PC for Russ

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-11 17:11:30 UTC
From: John Knapp
Topic: 4658 Message: 4663

I have the complete PC. It was designated for a
co-worker with Russ.

Russ, has he contacted you, he never has contacted me.
Does he still want it?

JohnK
--- verhap@... wrote:
> John, did you pick up the complete PC? That's the
> one we need to
> sell first.
>
> Paul
>
> > I have a PC for someone, I thought it was for Russ
> or
> > somebody that works with him.
> >
> > JohnK
> >
> > --- Mike Garske <kc7dpd@...> wrote:
> > > Russ,
> > >
> > > My phone number is 846-9219.....if we can
> > > arrange a meeting to deliver the PC sometime
> after
> > > 5:00pm either today or tomorrow, that would work
> for
> > > me.
> > >
> > > Thanks,
> > > Mike KC7DPD
> > > www.tvnsp.org
> >
> >
> > _____
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4664. Re: [tvnsp] Idaho Clubs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-11 18:48:14 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4650 Message: 4664

Do you want to visit them first and explain APRS?

Paul

> > I think I'd like to arrange to speak to all of the Idaho clubs
> > about TVNSP over the course of a year.
>
> I'd be interested in helping present to the Idaho Fall's club (Eagle
> Rock ARC) at some point.
>
> However, I will mention that they do not seem to be familiar with APRS
> over there. I was thinking about trying to get hooked up with them at
> some point and do some education to try and help the APRS
> infrastructure over that way. Last time I was over there with a tracker
> I managed to get out from Craters of the Moon, but that was via Harin.
> I heard zero, zip, nada on 144.39 while I was in IF.
>
> Bill
>
>
>
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>
>
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>

4665. (Fwd) Re: October Balloon Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-11 18:48:55 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4665 Message: 4665

------- Forwarded Message Follows -------
From: "Ed Livingston" <elivingston@...>
To: <VERHAP@...>
Subject: Re: October Balloon Launch
Date sent: Fri, 11 Oct 2002 10:19:44 -0600

Paul,

The VHS campus is available for a launch area Sat, Oct 19th, or any
subsequent time you would like!

I am stll working on the best time to train on the software.

Ed
----- Original Message -----
From: <VERHAP@...>
To: Ed Livingston <elivingston@...>
Sent: Wednesday, October 09, 2002 12:21 PM
Subject: Re: October Balloon Launch

> I'll be at the VOI meeting.
>
> Paul
> > The software is loaded on my Teachers Computer, which has WEB access. I
> > haven't started playing with it yet but can anytime.
> >
> > I have the two-meter antenna and bracket, but it is not up yet. It will
be
> > by the weekend.
> >
> > I am getting excited about this!
> >
> > The news release looked good. I didn't get back to Russ yet, but if you
do,
> > tell him.
> >
> > See you tonight, maybe?"
> >
> > Ed, WB6NNW
> >
> > ----- Original Message -----
> > From: <VERHAP@...>
> > To: Ed Livingston <elivingston@...>
> > Sent: Tuesday, October 08, 2002 8:28 AM
> > Subject: Re: October Balloon Launch
> >

> >
> > > Ed, what's the status? Do you have balloon software at the
> > > campus? Can we arrange to show the students how to operate it?
> > >
> > > Paul
> > >
> > > > Paul,
> > > >
> > > > October 19th. I have a U of I class on the 12th.
> > > >
> > > > Ed
> > > >
> > > > ----- Original Message -----
> > > > From: <VERHAP@...>
> > > > To: <elivingston@...>
> > > > Sent: Monday, September 16, 2002 9:17 AM
> > > > Subject: October Balloon Launch
> > > >
> > > >
> > > > > I've accidently deleted your last email message. What date did
> > > > > you say would be best for the Vallivue launch? We'll be meeting
> > > > > this Friday at Jade Garden, across from Karcher Mall, at 6:30.
> > > > > Would you like to attend? I'll be discussing the October launch
> > > > > and what we plan to do.
> > > > >
> > > > > Paul
> > > >
> > >
> > >
> > >
> >
>
>

4666. Re: [tvnsp] Idaho Clubs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-11 18:48:41 UTC
From: Stephanie Steele
Topic: 4650 Message: 4666

Hey gang,

How about if we try and make a coordinated effort out of approaching these clubs so that we enhance the Idaho APRS group's chances of getting these clubs to consider providing access to their repeater sites for placement of an APRS digipeater. Our group has been working on trying to make positive contact with some of these groups for the last couple of years for placement of digis and it would be to everyone's benefit if we could make these presentations serve both purposes. This is one area where NOT getting in a hurry and doing a good presentation would be prudent.

Stephanie

verhap@... wrote:
> Do you want to visit them first and explain APRS?
>
> Paul
>
>
>>>I think I'd like to arrange to speak to all of the Idaho clubs
>>>about TVNSP over the course of a year.
>>
>>I'd be interested in helping present to the Idaho Fall's club (Eagle
>>Rock ARC) at some point.
>>
>>However, I will mention that they do not seem to be familiar with APRS
>>over there. I was thinking about trying to get hooked up with them at
>>some point and do some education to try and help the APRS
>>infrastructure over that way. Last time I was over there with a tracker
>>I managed to get out from Craters of the Moon, but that was via Harin.
>>I heard zero, zip, nada on 144.39 while I was in IF.
>>
>>Bill
>>
>>
>>
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>

--
Stephanie

****

Friends are quiet angels who lift us to our feet when our wings have
trouble remembering how to fly.

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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4667. Re: [tvnsp] Idaho Clubs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-11 20:12:46 UTC
From: bherrman@spro.net
Topic: 4650 Message: 4667

> How about if we try and make a coordinated effort out of
> approaching these clubs so that we enhance the Idaho APRS group's
> chances of getting these clubs to consider providing access to their
> repeater sites for placement of an APRS digipeater.

That was exactly what I had in mind. Any good starting points you can think of? Any idea on APRS history over there? It seems odd to me that there didn't seem to be any APRS activity yet NWAPRS or ??? has an IF map as an example. I did make voice contact with a ham over there a month or two ago when I was in the area and it didn't sound like he was familiar with it at all.

Bill

4668. Re: [tvnsp] Idaho Clubs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-11 20:42:27 UTC
From: John Knapp
Topic: 4650 Message: 4668

Surprisingly, other areas of the country don't have
APRS digirepeaters either. When we drove back to
Minnesota, I didn't hear any APRS signals through most
of North Dakota. Did in Eastern Montana. I talked to a
ham in Grand Forks, ND and he indicated they had a bad
experience with Packet Radio and everyone lost
interest in it. No one followed up to the newer
technology.

Its to bad, that area could take full advantage of the
APRS system.

JohnK

--- bherrman@... wrote:
> > How about if we try and make a coordinated effort
> out of
> > approaching these clubs so that we enhance the
> Idaho APRS group's
> > chances of getting these clubs to consider
> providing access to their
> > repeater sites for placement of an APRS
> digipeater.
>
> That was exactly what I had in mind. Any good
> starting points you can
> think of? Any idea on APRS history over there? It
> seems odd to me that
> there didn't seem to be any APRS activity yet NWAPRS
> or ??? has an IF
> map as an example. I did make voice contact with a
> ham over there a
> month or two ago when I was in the area and it
> didn't sound like he was
> familiar with it at all.
>
> Bill
>
>

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4669. Re: [tvnsp] Idaho Clubs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-11 21:44:36 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4650 Message: 4669

Perhaps showing the near space program will help increase
interest. Stephanie, what ideas do you have in mind?

Paul

> Surprisingly, other areas of the country don't have
> APRS digirepeaters either. When we drove back to
> Minnesota, I didn't hear any APRS signals through most
> of North Dakota. Did in Eastern Montana. I talked to a
> ham in Grand Forks, ND and he indicated they had a bad
> experience with Packet Radio and everyone lost
> interest in it. No one followed up to the newer
> technology.
>
> Its to bad, that area could take full advantage of the
> APRS system.
>
> JohnK
>
> --- bherrman@... wrote:
> > > How about if we try and make a coordinated effort
> > out of
> > > > approaching these clubs so that we enhance the
> > Idaho APRS group's
> > > > chances of getting these clubs to consider
> > providing access to their
> > > > repeater sites for placement of an APRS
> > digipeater.
> > >
> > > That was exactly what I had in mind. Any good
> > starting points you can
> > > think of? Any idea on APRS history over there? It
> > seems odd to me that
> > > there didn't seem to be any APRS activity yet NWAPRS
> > or ??? has an IF
> > > map as an example. I did make voice contact with a
> > ham over there a
> > > month or two ago when I was in the area and it
> > didn't sound like he was
> > > familiar with it at all.
> > >
> > > Bill
> > >
> > >
>

>
> _____
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4670. Re: [tvnsp] Idaho Clubs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-13 14:09:54 UTC
From: Stephanie Steele
Topic: 4650 Message: 4670

What I was thinking was to make sure and coordinate with the APRS group so that one of us could go with the TVNSP rep when they do the presentation to answer questions about how they could get started with APRS. It just so happens that the three most active APRS apostles are also balloon junkies. This is a good thing. The first meeting would also be the ideal time to speak with the club leadership about placement of a digi to serve their area. The APRS group can provide technical assistance, loaner equipment, and training for clubs that are interested in getting started in APRS. As you know by now, ballooning in Idaho without the aid of APRS would be foolhardy if you ever hope to recover your equipment and strategically placed digis simply enhance that.

Stephanie

verhap@... wrote:
> Perhaps showing the near space program will help increase
> interest. Stephanie, what ideas do you have in mind?
>
> Paul
>
>
>
>>Surprisingly, other areas of the country don't have
>>APRS digirepeaters either. When we drove back to
>>Minnesota, I didn't hear any APRS signals through most
>>of North Dakota. Did in Eastern Montana. I talked to a
>>ham in Grand Forks, ND and he indicated they had a bad
>>experience with Packet Radio and everyone lost
>>interest in it. No one followed up to the newer
>>technology.
>>
>>Its to bad, that area could take full advantage of the
>>APRS system.
>>
>>JohnK
>>
>>--- bherrman@... wrote:
>>
>>>>How about if we try and make a coordinated effort
>>>
>>>out of
>>>
>>>>approaching these clubs so that we enhance the
>>>
>>>Idaho APRS group's

>>>
>>>>chances of getting these clubs to consider
>>>
>>>providing access to their
>>>
>>>>repeater sites for placement of an APRS
>>>
>>>digipeater.
>>>
>>>That was exactly what I had in mind. Any good
>>>starting points you can
>>>think of? Any idea on APRS history over there? It
>>>seems odd to me that
>>>there didn't seem to be any APRS activity yet NWAPRS
>>>or ??? has an IF
>>>map as an example. I did make voice contact with a
>>>ham over there a
>>>month or two ago when I was in the area and it
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>>>familiar with it at all.
>>>
>>>Bill
>>>
>>>
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--
Stephanie

****

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safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

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4671. Re: [tvnsp] Idaho Clubs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-13 14:12:28 UTC
From: Stephanie Steele
Topic: 4650 Message: 4671

The biggest problem is the steep learning curve required of APRS. This makes it difficult for areas without an established Elmer to get up and going.

I wonder what the 'bad experience' was? Perhaps it caused digestive upset? ;-)

Stephanie

John Knapp wrote:
> Surprisingly, other areas of the country don't have
> APRS digirepeaters either. When we drove back to
> Minnesota, I didn't hear any APRS signals through most
> of North Dakota. Did in Eastern Montana. I talked to a
> ham in Grand Forks, ND and he indicated they had a bad
> experience with Packet Radio and everyone lost
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> JohnK
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> --- bherrman@... wrote:
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>>out of
>>
>>>approaching these clubs so that we enhance the
>>
>>Idaho APRS group's
>>
>>>chances of getting these clubs to consider
>>
>>providing access to their
>>
>>>repeater sites for placement of an APRS
>>
>>digipeater.
>>
>>That was exactly what I had in mind. Any good
>>starting points you can
>>think of? Any idea on APRS history over there? It
>>seems odd to me that

>>there didn't seem to be any APRS activity yet NWAPRS
>>or ??? has an IF
>>map as an example. I did make voice contact with a
>>ham over there a
>>month or two ago when I was in the area and it
>>didn't sound like he was
>>familiar with it at all.
>>
>>Bill
>>
>>
>
>
>
> _____
> Do you Yahoo!?
> Faith Hill - Exclusive Performances, Videos & More
> http://faith.yahoo.com
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
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>
>

--
Stephanie

****

Friends are quiet angels who lift us to our feet when our wings have
trouble remembering how to fly.

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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it and highly recommend it as a safe and reliable means to conduct
business. By using the link below we both will receive a $5 sign up bonus.

https://www.paypal.com/refer/pal=kc7dba%40arrl.net

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de recta non tolerandum sunt

4672. Re: [tvnsp] Idaho Clubs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-13 14:14:54 UTC
From: Stephanie Steele
Topic: 4650 Message: 4672

You're correct Bill, there is apparantly no one in the Idaho Falls area
that has any idea where to start. I have been communicating with a
couple of hams over there trying to get some excitement built up but no
go yet. This balloon idea could be just the catalyst to get it moving.

Stephanie

bherrman@... wrote:
>>How about if we try and make a coordinated effort out of
>>approaching these clubs so that we enhance the Idaho APRS group's
>>chances of getting these clubs to consider providing access to their
>>repeater sites for placement of an APRS digipeater.
>
>
> That was exactly what I had in mind. Any good starting points you can
> think of? Any idea on APRS history over there? It seems odd to me that
> there didn't seem to be any APRS activity yet NWAPRS or ??? has an IF
> map as an example. I did make voice contact with a ham over there a
> month or two ago when I was in the area and it didn't sound like he was
> familiar with it at all.
>
> Bill
>
>
>
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>
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4673. Re: [tvnsp] Idaho Clubs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-13 14:15:37 UTC
From: Stephanie Steele
Topic: 4650 Message: 4673

It isn't a matter of increasing interest, many of these groups don't have anyone to Elmer them into APRS so they don't see the need for a digipeater.

verhap@... wrote:
> Perhaps showing the near space program will help increase
> interest. Stephanie, what ideas do you have in mind?
>
> Paul
>
>
>
>>Surprisingly, other areas of the country don't have
>>APRS digirepeaters either. When we drove back to
>>Minnesota, I didn't hear any APRS signals through most
>>of North Dakota. Did in Eastern Montana. I talked to a
>>ham in Grand Forks, ND and he indicated they had a bad
>>experience with Packet Radio and everyone lost
>>interest in it. No one followed up to the newer
>>technology.
>>
>>Its to bad, that area could take full advantage of the
>>APRS system.
>>
>>JohnK
>>
>>--- bherrman@... wrote:
>>
>>>>How about if we try and make a coordinated effort
>>>
>>>out of
>>>
>>>>approaching these clubs so that we enhance the
>>>
>>>Idaho APRS group's
>>>
>>>>chances of getting these clubs to consider
>>>
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>>>Bill
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>>_____
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4674. Ignore this email test

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-13 16:34:50 UTC
From: Jeff Melanson
Topic: 4674 Message: 4674

test

4675. (Fwd) [EOSS] Good Amateur Practice

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-14 14:42:35 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4675 Message: 4675

From EOSS.
Good points.

Paul

------- Forwarded Message Follows -------
To: EOSS membership reflector <EOSS@yahoogroups.com>
From: Mike Manes <manes@...>
Date sent: Sun, 13 Oct 2002 21:54:41 -0600
Subject: [EOSS] Good Amateur Practice
Send reply to: EOSS@yahoogroups.com

[Double-click this line for list subscription options]

Hi,

There's been some discussion from time to time regarding how high altitude balloon beacons might or ought to conform to Part 97 FCC Rules & Regs re ham radio. As you probably know, these beacons are not unlike satellites, in that they cover a huge area of the surface at apogee -- over 60,000 square miles -- and that in the event it malfunctions, the power switch is hard to reach until recovery.

However, balloon-borne payloads have not yet been given the same regulatory consideration granted to satellites. But so long as we exercise "Good Amateur Practice" per Section 97.101(a), as defined a bit further in the appended excerpt from the ARRL Letter Vol 21 #40, I don't believe that such consideration is necessary or appropriate.

True, each beacon could be provided with a command receiver, but then we'd be banging our heads on the FAR-101 exempt weight limits more often. And shutting down a tracking beacon to avoid QRMing a distant simplex net also may impair our ability to pass position reports to the FAA, thus would risking >far< greater harm. Not to mention risking loss of our own or, worse, a student payload.

Fortunately, our beacons are QRPP for the most part, and our flights last no longer than one could reasonably expect to notify the ham whose TNC got a stuck key on the APRS backbone and to get him to shut it down. Further, we are careful in chosing our downlink freqs to avoid repeater inputs, satellite, prop beacon and DX subbands.

So long as we continue with this level of careful consideration, I believe that we in the high altitude balloon community are indeed conforming to "Good Amateur Practice". Let's not get sloppy.

==>"GOOD AMATEUR PRACTICE" MEANS NEVER HAVING TO SAY YOU'RE SORRY

FCC Special Counsel Riley Hollingsworth has endorsed a list of several points that he feels help to define the concept of "good amateur practice." Section 97.101(a) of the Amateur Radio Service rules refers to
"good engineering and good amateur practice"--considered to refer to maintaining the highest standards of engineering and on-the-air comportment. But the rule lacks specifics.

"Good amateur practice is a hard thing to define," Hollingsworth conceded.
"I'd have to say it's operating with the realization that frequencies are
shared, that there's going to be occasional interference and that's no reason to become hateful and paranoid."

Hollingsworth says amateurs have to realize that more people than ever are
listening in, especially since September 11, 2001, and that amateurs always need to remember that "our rights end where another person's begin."

A Michigan Amateur Radio club has been credited with distributing a list of "Riley-isms" culled from Hollingsworth's various talks at conventions and hamfests and club meetings around the US. Hollingsworth--who verified
that he had been cited accurately--says his various comments represent an
effort to flesh out what "good amateur practice" consists of for considerate the Amateur Radio operator. According to Hollingsworth, good amateur practice means:

* giving a little ground--even if you have a right not to--in order to help preserve Amateur Radio and not cause it to get a bad name or hasten the day when it becomes obsolete.

* respecting band plans, because they make it possible for every mode to have a chance.

* being aware that we all love Amateur Radio, and there's no need to damage or disgrace it just to save face.

* keeping personal conflicts off the air. Settle your arguments on the telephone, the Internet or in person. Just keep them off the air.

* cutting a net or a contester a break, even if you don't have to and even
if you have no interest whatsoever in nets or contesting.

* realizing that every right carries responsibilities, and just because you may have a right to do certain things doesn't mean it's right to do them in every circumstance.

* you don't "own" or get preference to use any frequency.

* not operating so that whoever hears you becomes sorry they ever got into
(or tuned in on) Amateur Radio in the first place.

Hollingsworth notes that the list "doesn't touch on a lot of other technical issues, such as using 1500 W when your signal report received is
40 over 9." Good amateur practice, he said, "just means a lot of things that can't always be quantified."--thanks to Riley Hollingsworth

--
Mike Manes manes@... Tel: 303-979-4899
"Things should be made as simple as possible, but not more so." A. Einstein

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4676. Re: [tvnsp] Idaho Clubs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-14 15:02:36 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4650 Message: 4676

December 20th is my last day of school. I plan to drive to Utah, Arizona, and New Mexico. I hope to give a couple of presentations. I'll try toline up something in eastern Idaho on the evening of the 20th. I can hit Idaho again on my way back on the 28th or 29th.

Can anyone else present around those times?

Paul "Lucky to be a teacher" Verhage

4677. October Balloon Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-14 15:22:39 UTC
From: John Knapp
Topic: 4665 Message: 4677

Does anyone have the lat/long for the Highschool
Campus?

Thanks
JohnK
KD7HGS
--- verhap@... wrote:
>
> ------- Forwarded Message Follows -------
> From: "Ed Livingston"
> <elivingston@...>
> To: <VERHAP@...>
> Subject: Re: October Balloon Launch
> Date sent: Fri, 11 Oct 2002 10:19:44 -0600
>
> Paul,
>
> The VHS campus is available for a launch area Sat,
> Oct 19th, or any
> subsequent time you would like!
>
> I am stll working on the best time to train on the
> software.
>
> Ed

_____
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4678. Balloon pricing

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-14 16:12:51 UTC
From: Mark Conner
Topic: 4678 Message: 4678

Just got off the phone with Kaysam - nice folks to deal with.
The following sizes and prices are the ones they generally keep
in stock (does not include shipping):

1500g 64
1200g 48
600g 35
350g 30

They also mentioned they do individual inspection before
shipment, so it's a few days between placing the order and when
it goes out the door - keep that in mind if you have a
last-minute order. I got one each of the four sizes listed -
we'll see how they do next year.

73 de Mark N9XTN

Mark D. Conner
E-mail: n9xtn@...
Homepage: http://members.cox.net/mconner1
"Arrogance and stupidity, all in the same package.....how
efficient of you!" - Ambassador Londo Mollari, Babylon 5

4679. Digipeater

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-14 16:52:07 UTC
From: daveidaho1
Topic: 4679 Message: 4679

I have a location at Pine for a digipeater if there is any reason to have one there.
Also, does anyone have a source for a laptop suitable for APRS?
Should have APRS set up by the 19th of Oct at Pine.
Dave at Pine

4680. Re: [tvnsp] Balloon pricing

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-14 17:15:40 UTC
From: Zack Clobes
Topic: 4678 Message: 4680

Who did you deal with?
Zack Clobes, W0ZC
Project: Traveler
www.rckara.org/

----- Original Message -----
From: "Mark Conner" <n9xtn@...>
To: "KNSP List" <KNSP@yahoogroups.com>; "TVNSP List" <tvnsp@yahoogroups.com>
Sent: Monday, October 14, 2002 11:12 AM
Subject: [tvnsp] Balloon pricing

> Just got off the phone with Kaysam - nice folks to deal with.
> The following sizes and prices are the ones they generally keep
> in stock (does not include shipping):
>
> 1500g 64
> 1200g 48
> 600g 35
> 350g 30
>
> They also mentioned they do individual inspection before
> shipment, so it's a few days between placing the order and when
> it goes out the door - keep that in mind if you have a
> last-minute order. I got one each of the four sizes listed -
> we'll see how they do next year.
>
> 73 de Mark N9XTN
> ------
> Mark D. Conner
> E-mail: n9xtn@...
> Homepage: http://members.cox.net/mconner1
> "Arrogance and stupidity, all in the same package.....how
> efficient of you!" - Ambassador Londo Mollari, Babylon 5
>
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>
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>
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>
>

4681. Vallivue

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-14 21:37:46 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4681 Message: 4681

Can someone with APRS who is planning not to chase help out at Vallivue? I'd like them to see a SA map of the balloon flight.

Paul

4682. [Fwd: Next Flights]

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-14 23:14:58 UTC
From: Jeff Melanson
Topic: 4682 Message: 4682

-------- Original Message --------
Subject: Next Flights
Date: Mon, 14 Oct 2002 08:00:12 -700
From: <VERHAP@...>
To: Jeff Melanson <kd7inn@...>

Don't forget, we have a launch this Saturday. We'll be
sending up
two of my capsules. The total weight will be 12 pounds.
Add one
pound for the parachute. I've got a Kaysam 1500 gram
balloon.
With two or three pounds positive lift, I estimate we'll
make
between 90,000 and 95,000 feet. Climb rate will be around
1000
f/m with a descent rate around 1200 f/m. Does anyone want
to
confirm these numbers?

John the Younger, have you been able to contact Ed?

Vallivue will be tracking the flight and be on the repeater,
so be
sure to say high. I should have a message for them over
APRS.

If we can launch a little late, that would probably be good
for the
school, but a safe launch comes first.

As for the next launch, is there enough interest to launch
the first
weekend of November? That would be my sixth anniversary of
near
space launches. I brought up launching two small tracking
capsules before, Jeff's and mine. If we do that with 300
gram
balloons, I'd like to carry up a beacon. We could let clubs
DF the
beacon as part of of a competition. Perhaps it's too short
of a
notice for that. In that case I'd be interested in a night
launch (very
early morning) to record sunrise. Jeff, can we use your
camcorder

for that? Stephanie, would you be interested in sending your
capsule up a second time? Sky and Telescope says they'll publish the photo of near space sunrise if we take it.

So how does three more launches this year sound?

Mike, can you get the tanks gauged? I want to make sure we have
3600 PSI of helium left. I'll talk to Sheehans about the cost of a
regulator that we could use to measure the pressure in a tank.

I've got four club meetings this week and gym on Monday, Wednesday, and Friday. If anything needs to be done in the evening, tonight will be my only free night. Contact me ASAP.
Everyone should have my cell phone number.

Paul

4683. Re: [tvnsp] Digipeater

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-15 01:12:08 UTC
From: Tim Rynearson
Topic: 4679 Message: 4683
Attachments: 2 described; binary payloads are missing from this source WARC

Dave,
It probably wouldn't hurt to have a digi at Pine, but I'm wondering if we might have some coverage redundancy with the digis on Cinabar and Mt. Harrison, but don't let that discourage you by any means. Also, if you're going to be running a KPC3+ on your station to be set up by the 19th, you can use that as a digi and still operate other APRS functions.

Tim, N7UBO

-------Original Message-------

From: tvnsp@yahoogroups.com
Date: Monday, October 14, 2002 11:29:44 AM
To: tvnsp@yahoogroups.com
Subject: [tvnsp] Digipeater

I have a location at Pine for a digipeater if there is any reason to have one there.
Also, does anyone have a source for a laptop suitable for APRS?
Should have APRS set up by the 19th of Oct at Pine.
Dave at Pine

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4684. Oct 19 Prediction

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-15 01:29:58 UTC
From: John Knapp
Topic: 4681 Message: 4684

I ran a prediction this evening for Saturday's flight.
It is changing from the one I ran last night.

I have been using the following:

Ascent rate: 1000 f/m
Decent rate: 1200 f/m
Burst height: 90,000 ft.

The results I have:

Flight time: 122 minutes
Bearing: 148 degrees
Range: 44 miles.

I do not the coordinates for Vallivue High School. Can
someone supply them so we can do some serious plotting
on SA?

Also, am I using the right values for the flight?

JohnK
KD7HGS

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http://faith.yahoo.com

4685. Re: [tvnsp] [Fwd: Next Flights]

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-15 03:44:14 UTC
From: Stephanie Steele
Topic: 4682 Message: 4685

Yes, I'd be interested but I am way behind the curve here. I am in the middle of building an addition to my dump and I have not been following closely. I'll try and make launch this Saturday. I am off.

Stephanie

Jeff Melanson wrote:
>
> -------- Original Message --------
> Subject: Next Flights
> Date: Mon, 14 Oct 2002 08:00:12 -700
> From: <VERHAP@...>
> To: Jeff Melanson <kd7inn@...>
>
> Don't forget, we have a launch this Saturday. We'll be
> sending up
> two of my capsules. The total weight will be 12 pounds.
> Add one
> pound for the parachute. I've got a Kaysam 1500 gram
> balloon.
> With two or three pounds positive lift, I estimate we'll
> make
> between 90,000 and 95,000 feet. Climb rate will be around
> 1000
> f/m with a descent rate around 1200 f/m. Does anyone want
> to
> confirm these numbers?
>
> John the Younger, have you been able to contact Ed?
>
> Vallivue will be tracking the flight and be on the repeater,
> so be
> sure to say high. I should have a message for them over
> APRS.
>
> If we can launch a little late, that would probably be good
> for the
> school, but a safe launch comes first.
>
> As for the next launch, is there enough interest to launch
> the first
> weekend of November? That would be my sixth anniversary of
> near
> space launches. I brought up launching two small tracking
> capsules before, Jeff's and mine. If we do that with 300

> gram
> balloons, I'd like to carry up a beacon. We could let clubs
> DF the
> beacon as part of of a competition. Perhaps it's too short
> of a
> notice for that. In that case I'd be interested in a night
> launch (very
> early morning) to record sunrise. Jeff, can we use your
> camcorder
> for that? Stephanie, would you be interested in sending
> your
> capsule up a second time? Sky and Telescope says they'll
> publish the photo of near space sunrise if we take it.
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> So how does three more launches this year sound?
>
> Mike, can you get the tanks gauged? I want to make sure we
> have
> 3600 PSI of helium left. I'll talk to Sheehans about the
> cost of a
> regulator that we could use to measure the pressure in a
> tank.
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> I've got four club meetings this week and gym on Monday,
> Wednesday, and Friday. If anything needs to be done in the
> evening, tonight will be my only free night. Contact me
> ASAP.
> Everyone should have my cell phone number.
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Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

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President Thomas Jefferson.
1743-1826

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4686. Re: [tvnsp] Digipeater

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-15 03:54:41 UTC
From: Stephanie Steele
Topic: 4679 Message: 4686

Hi Dave at Pine,

We haven't met yet but I am the local "Joannie digiseed". I am always on the lookout for good digi locations as we try and enhance the APRS network. Can you tell me more about your site. What altitude is it and what is the power source? What direct coverage area would you expect from there. I know that your area is somewhat shaded from the existing digis based upon the results from the last balloon chase but I am unsure what adding a digi near Pine would add to the system. Might at the very least be a good spot for a relay digi. Let me know. I have equipment to lend.

Stephanie

daveidaho1 wrote:
> I have a location at Pine for a digipeater if there is any reason to
> have one there.
> Also, does anyone have a source for a laptop suitable for APRS?
> Should have APRS set up by the 19th of Oct at Pine.
> Dave at Pine
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Stephanie

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****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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4687. Re: [tvnsp] Oct 19 Prediction

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-15 14:33:35 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4681 Message: 4687

> I have been using the following:
>
> Ascent rate: 1000 f/m
> Decent rate: 1200 f/m
> Burst height: 90,000 ft.
>
> The results I have:
>
> Flight time: 122 minutes
> Bearing: 148 degrees
> Range: 44 miles.

I don't have the position for Vallivue, but the numbers look right and
very good.

Update, you capsule weight is closer to 10 pounds. Add an
additional 1/2 pound for the glider and 1 pound for the parachute.

Paul

4688. Re: Prelaunch meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-15 14:35:36 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4688 Message: 4688

Jeff, did you reserve Jade Garden at our last meeting?

It looks like we'll meet there.

Paul

4689. Re: Oct 19 Prediction

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-15 19:58:58 UTC
From: Hank
Topic: 4681 Message: 4689

> I do not the coordinates for Vallivue High School. Can
> someone supply them so we can do some serious plotting
> on SA?

These predictions depend on so many variables that
it must be remembered they offer just a rough guess,
especially this many days ahead of time.

Vallivue is on Homedale at the junction with
Montana.

The coordinates good to a few hundred feet are:

43 degrees 37.2 minutes north
116 degrees 40.8 minutes west

4690. Paul

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-16 00:45:43 UTC
From: Tim Rynearson
Topic: 3183 Message: 4690
Attachments: 1 described; binary payloads are missing from this source WARC

Just a reminder of the Emmett club meeting Thursday night. See ya there....

Tim

4691. Snake River Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-16 02:28:23 UTC
From: K7JPS - John
Topic: 4691 Message: 4691

For those in the area that attend the Snake River ARC meeting. They meet the 3rd Wednesday of each month. The newest meeting location is the Shanghai Restaurant, 332 Caldwell Blvd, Nampa, ID. This is at the intersection of Caldwell Blvd. and Orchard Rd. across the street from the Chevron gas station and the old Ed Mark dealership about 1/2 mile west of Fred Meyers.

John Stone
K7JPS

4692. Re: [tvnsp] Re: Prelaunch meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-16 07:53:34 UTC
From: Jeff Melanson
Topic: 4688 Message: 4692

No.

verhap@... wrote:
>
> Jeff, did you reserve Jade Garden at our last meeting?
>
> It looks like we'll meet there.
>
> Paul
>
>
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>
>
>
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4693. Running out of balloons.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-16 07:59:25 UTC
From: Jeff Melanson
Topic: 4693 Message: 4693

John,

I called Kaymont to check on the 300 gram balloon you wanted. Paul claims it's on the way. They substituted the 300 for a 350 because they are out of stock on the 300's.

Jeff
KD7INN

4694. Re: [tvnsp] Paul

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-16 14:27:59 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3183 Message: 4694

I plan to be there.

Paul

> Just a reminder of the Emmett club meeting Thursday night. See ya there....
>
> Tim

4695. Re: [tvnsp] Re: Prelaunch meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-16 14:33:02 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4688 Message: 4695

Okay. We need to reserve the Jade Garden. I haven't heard from
Ed in couple of days now. Dr. Atkinson from U of I was told to
expect us there. I haven't heard from him in a ciouple of weeks, so
I don't know if he's still planning to attend.

Paul

> No.
>
> verhap@... wrote:
> >
> > Jeff, did you reserve Jade Garden at our last meeting?
> >
> > It looks like we'll meet there.
> >
> > Paul
> >
> >
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> >
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>

4696. John and TT2

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-16 14:47:12 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4696 Message: 4696

John the Elder, I have an old Tiny Trak that I can give you. You'll need to remove a couple of parts, but it should work just fine.

I'll bring it to tonight's meeting.

Paul

4697. Re: Predictions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-16 14:54:30 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2238 Message: 4697

> I'll try to download Balloon Track between classes. I dont have a
> copy of the lesson plans at school, so I don't have the URL of the
> website we use. John, can you email me the URL?
>
> Paul
>

4698. Re: [tvnsp] Re: Prelaunch meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-16 13:56:49 UTC
From: John Knapp
Topic: 4688 Message: 4698

I will at noon today.

JohnK
--- Jeff Melanson <kd7inn@...> wrote:
> No.
>
> verhap@... wrote:
> >
> > Jeff, did you reserve Jade Garden at our last
> meeting?
> >
> > It looks like we'll meet there.
> >
> > Paul
> >
> >
> > To unsubscribe from this group, send an email to:
> > tvnsp-unsubscribe@egroups.com
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> >
> >
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4699. Re: [tvnsp] John and TT2

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-16 13:57:58 UTC
From: John Knapp
Topic: 4696 Message: 4699

I won't be at the meeting tonight. I have to run down
to Buhl to do an errand for the mother-in-law and
wife.

JohnK
--- verhap@... wrote:
> John the Elder, I have an old Tiny Trak that I can
> give you. You'll
> need to remove a couple of parts, but it should work
> just fine.
>
> I'll bring it to tonight's meeting.
>
> Paul
>

_____
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4700. TV02G Configuration

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-16 15:05:04 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4700 Message: 4700
Attachments: 2 described; binary payloads are missing from this source WARC

Here's the configuration for the TV02G capsule. Tonight I need to glue the labels to the glider and tie a loop in it's tail, except for that, everything else is complete. I ran a test program last night and cycled through the experiments. I also downloaded the flight code into the capsules, and observed the capsules to make sure the old test code wasn't still inside. The batteries in the main capsule are new, the batteries in the backup are on their second flight, but all read higher than nominal voltage. I'll bring both capsules to tonight's meeting.

Paul

4701. Re: [tvnsp] Re: Prelaunch meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-16 15:08:03 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4688 Message: 4701

Okay, thanks. I tried to find them in my classroom phone book
and couldn't.

Paul
> I will at noon today.
>
> JohnK
> --- Jeff Melanson <kd7inn@...> wrote:
> > No.
> >
> > verhap@... wrote:
> > >
> > > Jeff, did you reserve Jade Garden at our last
> > meeting?
> > >
> > > It looks like we'll meet there.
> > >
> > > Paul
> > >
> > >
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>
> ---
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> http://autos.yahoo.com
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>

4702. Re: [tvnsp] Re: Predictions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-16 14:41:05 UTC
From: John Knapp
Topic: 2238 Message: 4702

The URL is:

http://www.arl.noaa.gov/ready/cmet.html

JohnK
--- verhap@... wrote:
> > I'll try to download Balloon Track between
> classes. I dont have a
> > copy of the lesson plans at school, so I don't
> have the URL of the
> > website we use. John, can you email me the URL?
> >
> > Paul
> >
>
>
>

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4703. Prediction for Saturday

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-16 16:26:22 UTC
From: John Knapp
Topic: 4693 Message: 4703

Using a burst of 90,000ft, ascent rate of 1000f/m and
descent of 1200f/m, I came up with the following for
the flight:

Bearing: 118 degrees
Distance: 33 miles
Time: 121 minutes.

Anyone else?

JohnK
KD7HGS

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4704. Re: [tvnsp] Prediction for Saturday

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-16 16:44:16 UTC
From: Randy Farley
Topic: 4693 Message: 4704

I came up with:

Bearing 112 deg.
Time 122 min.
Range 37 Mi.

Using MRF @ 1200Z

>>> kd7hgs@... 10/16/02 10:26AM >>>
Using a burst of 90,000ft, ascent rate of 1000f/m and
descent of 1200f/m, I came up with the following for
the flight:

Bearing: 118 degrees
Distance: 33 miles
Time: 121 minutes.

Anyone else?

JohnK
KD7HGS

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4705. Re: [tvnsp] Prediction for Saturday

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-16 17:01:36 UTC
From: Stephanie Steele
Topic: 4693 Message: 4705

What launch point is being used for these predictions?

Stephanie

Randy Farley wrote:
> I came up with:
>
> Bearing 112 deg.
> Time 122 min.
> Range 37 Mi.
>
> Using MRF @ 1200Z
>
> >>> kd7hgs@... 10/16/02 10:26AM >>>
> Using a burst of 90,000ft, ascent rate of 1000f/m and
> descent of 1200f/m, I came up with the following for
> the flight:
>
> Bearing: 118 degrees
> Distance: 33 miles
> Time: 121 minutes.
>
> Anyone else?
>
> JohnK
> KD7HGS
>
> ~---
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27/R=0/*http://geocities.yahoo.com/ps/info?.refer=blrecs>
> <http://rd.yahoo.com/M=212804.2460941.3878106.2273195/D=egroupweb/S=1705083281:HM/A=8103
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--
Stephanie

****

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****

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Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

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4706. Jade Garden is Reserved for Us!

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-16 17:37:02 UTC
From: Mike Garske
Topic: 4706 Message: 4706

I reserved the Jade Garden for us the last time we were there. I will get the Helium tanks gauged before Friday.

Mike KC7DPD
www.tvnsp.org
----- Original Message -----
From: <verhap@...>
To: <tvnsp@yahoogroups.com>
Sent: Wednesday, October 16, 2002 8:33 AM
Subject: Re: [tvnsp] Re: Prelaunch meeting

> Okay. We need to reserve the Jade Garden. I haven't heard from
> Ed in couple of days now. Dr. Atkinson from U of I was told to
> expect us there. I haven't heard from him in a ciouple of weeks, so
> I don't know if he's still planning to attend.
>
> Paul
>
> > No.
> >
> > verhap@... wrote:
> > >
> > > Jeff, did you reserve Jade Garden at our last meeting?
> > >
> > > It looks like we'll meet there.
> > >
> > > Paul
> > >
> > >
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> > >
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>
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>

4707. Re: [tvnsp] Prediction for Saturday

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-16 19:08:39 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4693 Message: 4707

> Using a burst of 90,000ft, ascent rate of 1000f/m and
> descent of 1200f/m, I came up with the following for
> the flight:
>
> Bearing: 118 degrees
> Distance: 33 miles
> Time: 121 minutes.

The MRF shows we will be in the northern boundary of a high pressure system. Winds inside a high tend to be light and disorganized. The jetstream is way off to our east.

At least up to 30,000 feet, the balloon should drift slowly.

Paul

4708. Re: [tvnsp] Jade Garden is Reserved for Us!

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-16 19:23:41 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4706 Message: 4708

I thought someone may have reserved the Jade, thanks.

And thanks for getting the tanks gauged. Imagine our
embarrassment when we have just enough He to give the balloon
zero pounds of lift.

Paul

> I reserved the Jade Garden for us the last time we were there. I will get
> the Helium tanks gauged before Friday.
>
> Mike KC7DPD
> www.tvnsp.org
> ----- Original Message -----
> From: <verhap@...>
> To: <tvnsp@yahoogroups.com>
> Sent: Wednesday, October 16, 2002 8:33 AM
> Subject: Re: [tvnsp] Re: Prelaunch meeting
>
>
> > Okay. We need to reserve the Jade Garden. I haven't heard from
> > Ed in couple of days now. Dr. Atkinson from U of I was told to
> > expect us there. I haven't heard from him in a ciouple of weeks, so
> > I don't know if he's still planning to attend.
> >
> > Paul
> >
> > > No.
> > >
> > > verhap@... wrote:
> > > >
> > > > Jeff, did you reserve Jade Garden at our last meeting?
> > > >
> > > > It looks like we'll meet there.
> > > >
> > > > Paul
> > > >
> > > >
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4709. TV02G

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-16 19:25:55 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4166 Message: 4709

Dr. Atkinson can't make the launch, but is trying to send a grad student down.

Paul

4710. Re: [tvnsp] Prediction for Saturday

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-16 18:43:06 UTC
From: Randy Farley
Topic: 4693 Message: 4710

I just used Vallivue School ground.
Shows landing just West of Mayfield about 1.5 miles east of I-84.

>>> stephanie@... 10/16/02 11:01AM >>>
What launch point is being used for these predictions?

Stephanie

Randy Farley wrote:
> I came up with:
>
> Bearing 112 deg.
> Time 122 min.
> Range 37 Mi.
>
> Using MRF @ 1200Z
>
> >>> kd7hgs@... 10/16/02 10:26AM >>>
> Using a burst of 90,000ft, ascent rate of 1000f/m and
> descent of 1200f/m, I came up with the following for
> the flight:
>
> Bearing: 118 degrees
> Distance: 33 miles
> Time: 121 minutes.
>
> Anyone else?
>
> JohnK
> KD7HGS
>
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--
Stephanie

****

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trouble remembering how to fly.

****

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Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
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President Thomas Jefferson.
1743-1826

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4711. TV02G

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-16 19:42:52 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4166 Message: 4711

The AVN and ETA models are not going all the way up to 90,000 feet. But I'm seeing a flight of something like 36 miles at 131 degrees.

Paul

4712. Re: Moscow Visit

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-16 19:46:06 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3650 Message: 4712

That date should work for me. I'll take either professional leave or
person leave. I'll pass the word onto TVNSP crew about the
possibility of them doing the launch.

How about it folks, how many can go to Moscow to help out with a
launch in April? I'll also look into getting help from Washington
state.

Paul

> Thank Paul. I'm sorry I won't be able to make it, but I have a colleague
> from Austria arriving this weekend for a 9 month visit.
>
> Right now I have you scheduled (still tentative, but hopefully this can be
> made firm) for a department research colloquium on Thurday afternoon, April
> 3. Then, hopefully you can stay through Saturday, we would like to plan a
> balloon launch on Saturday, April 5. Bill Hiscock from Montana will be
> here on April 3, will give a Physics colloquium on Friday, April 4, and I
> believe will plan on staying through the flight on Saturday, April 5.
>
> During the time you and Bill are both here, the Idaho Space Grant/EPSCoR
> program would like to schedule a meeting with all of us to talk about how
> to develop capabilities, how to get students involved, what kind of
> instrumentation we can fly, what can be done and how to do it, etc. etc.
>
> Of course, we will cover your travel costs.
>
> Can you confirm this still agrees with your schedule, and something that we
> can begin planning around? Thanks Paul.
>
> Dave
>
> At 12:25 PM 10/16/2002 -0700, you wrote:
> >Everything is still on. The winds are predicted to be light, so this
> >may be an easy flight.
> >
> >Paul
> >
> > > Hi Paul,
> > >
> > > Is the balloon launch still on for Saturday with the FRR on Friday
> > evening?
> > > I won't be able to make it, but there is a chance that someone else from
> > > UI - John Ophus (an education grad student who attended a balloon workshop
> > > in Boulder this past summer) might attend. But I want to see if everything
> > > is still a go. Please let me know. Thanks.

> > >
> > > Dave
> > >
> > > At 07:22 AM 9/23/2002 -0700, you wrote:
> > > > > I think there is a chance that John Ophus (who went to a workshop in
> > > > > Boulder on launching balloons this past summer) and I might try to come
> > > > > down for the flight. I don't know what John's plans are, but I
> > would fly
> > > > > down sometime on Friday and then return on Saturday. So - if this
> > works
> > > > > out (and I would need to do some reorganizing of my classes, etc.)
> > what I
> > > > > need to know is
> > > > >
> > > > > * What time is your FRR? Would it be morning, afternoon, and evening?
> > > > > * Where are you located? I would need to find a hotel and rent a car.
> > > > > Usually I stay at the Holiday Inn near the airport and this would be my
> > > > > first choice, I think. Where is your FRR relative to the airport,
> > to the
> > > > > hotel, and where do you launch from?
> > > >
> > > >The FRR will be at 6:30 PM at the Jade Garden restaurant. The
> > > >Jade Garden is a Chinese buffet and is located on Nampa-Caldwell
> > > >Blvd. You can exit 35 of I-84 and drive into town for about 1 mile.
> > > >At the stop light, next to the Fred Meyers, make a right trun onto
> > > >Nampa Blvd. Several miles down the road is the Jade Garden on
> > > >your right. Across the street will be Karcher Mall.
> > > >
> > > >We'll begin selecting a launch site as we approach the FRR. We
> > > >need to know what the winds will do before we can select a site.
> > > >Typically we launch from Oregon and have the capsule recover in
> > > >Idaho, away from major towns and mountains.
> > > >
> > > >You may want to subscribe to our email list on Yahoo.Groups. If
> > > >you go to www.egrousp.com, you'll be routed to the correct
> > > >webpage. Ask to subscribe to TVNSP.
> > > >
> > > >Paul
> > >
> > > _____
> > > Dr. David H. Atkinson, Professor
> > > Associate Director, Idaho NASA Space Grant & NASA EPSCoR
> > > Department of Electrical and Computer Engineering
> > > University of Idaho, PO Box 441023
> > > Moscow, ID 83844-1023
> > > USA
> > >
> > > (208) 885-6870
> > > (208) 885-7579 (fax)
> > > atkinson@...

> > > dhatk@...
> > >
>
> _____
> Dr. David H. Atkinson, Professor
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> (208) 885-6870
> (208) 885-7579 (fax)
> atkinson@...
> dhatk@...
>

4713. Re: [tvnsp] Prediction for Saturday

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-16 19:47:46 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4693 Message: 4713

We don't know if we can launch from Vallivue, yet. Ed was going
to look into that. Don't anyone forget that we need to ask Ed
tonight if he got permission.

Paul

> I just used Vallivue School ground.
> Shows landing just West of Mayfield about 1.5 miles east of I-84.
>
> >>> stephanie@... 10/16/02 11:01AM >>>
> What launch point is being used for these predictions?
>
> Stephanie
>
>
>
> Randy Farley wrote:
> > I came up with:
> >
> > Bearing 112 deg.
> > Time 122 min.
> > Range 37 Mi.
> >
> > Using MRF @ 1200Z
> >
> > >>> kd7hgs@... 10/16/02 10:26AM >>>
> > Using a burst of 90,000ft, ascent rate of 1000f/m and
> > descent of 1200f/m, I came up with the following for
> > the flight:
> >
> > Bearing: 118 degrees
> > Distance: 33 miles
> > Time: 121 minutes.
> >
> > Anyone else?
> >
> > JohnK
> > KD7HGS
> >
> > _____
> > Do you Yahoo!?
> > Faith Hill - Exclusive Performances, Videos & More
> > http://faith.yahoo.com
> >
> >

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> > tvnsp-unsubscribe@egroups.com
> >
> >
> >
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> >
> >
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*http://geocities.yahoo.com/ps/info?.refer=blrecs>
> > <http://rd.yahoo.com/M=212804.2460941.3878106.2273195/D=egroupweb/S=1705083281:HM/A=810327/R=1/
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> >
> >
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>
>
> --
> Stephanie
>
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>
> Friends are quiet angels who lift us to our feet when our wings have
> trouble remembering how to fly.
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> ******************************
>
> "They that can give up essential liberty to obtain a little temporary
> safety deserve neither liberty nor safety."
>
> Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.
>
> "Those who desire to give up freedom in order to gain security will not
> have, nor do they deserve, either one."
>
> President Thomas Jefferson.
> 1743-1826
>

> ********************************
>
> Send and receive money safely over the Internet by using PayPal. I use
> it and highly recommend it as a safe and reliable means to conduct
> business. By using the link below we both will receive a $5 sign up bonus.
>
> https://www.paypal.com/refer/pal=kc7dba%40arrl.net
>
> ********************************
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> The information contained in this e-mail message is private and confidential
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> copying or the taking of any action based upon the information contained in
> this message is strictly prohibited.
>
>
> de recta non tolerandum sunt
>
>
>
>
> To unsubscribe from this group, send an email to:
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>

4714. [tvnsp] Re: Moscow Visit

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-16 19:33:28 UTC
From: Randy Farley
Topic: 3650 Message: 4714

Still works for me.

regards

Randy Farley
N7GPS

>>> verhap@...01.k12.id.us 10/16/02 12:46PM >>>
That date should work for me. I'll take either professional leave or
person leave. I'll pass the word onto TVNSP crew about the
possibility of them doing the launch.

How about it folks, how many can go to Moscow to help out with a
launch in April? I'll also look into getting help from Washington
state.

Paul

> Thank Paul. I'm sorry I won't be able to make it, but I have a colleague
> from Austria arriving this weekend for a 9 month visit.
>
> Right now I have you scheduled (still tentative, but hopefully this can be
> made firm) for a department research colloquium on Thurday afternoon, April
> 3. Then, hopefully you can stay through Saturday, we would like to plan a
> balloon launch on Saturday, April 5. Bill Hiscock from Montana will be
> here on April 3, will give a Physics colloquium on Friday, April 4, and I
> believe will plan on staying through the flight on Saturday, April 5.
>
> During the time you and Bill are both here, the Idaho Space Grant/EPSCoR
> program would like to schedule a meeting with all of us to talk about how
> to develop capabilities, how to get students involved, what kind of
> instrumentation we can fly, what can be done and how to do it, etc. etc.
>
> Of course, we will cover your travel costs.
>
> Can you confirm this still agrees with your schedule, and something that we
> can begin planning around? Thanks Paul.
>
> Dave
>
> At 12:25 PM 10/16/2002 -0700, you wrote:
> >Everything is still on. The winds are predicted to be light, so this
> >may be an easy flight.
> >
> >Paul
> >

> > > Hi Paul,
> > >
> > > Is the balloon launch still on for Saturday with the FRR on Friday
> > evening?
> > > I won't be able to make it, but there is a chance that someone else from
> > > UI - John Ophus (an education grad student who attended a balloon workshop
> > > in Boulder this past summer) might attend. But I want to see if everything
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> > > > > down sometime on Friday and then return on Saturday. So - if this
> > works
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> > what I
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> > > > > * What time is your FRR? Would it be morning, afternoon, and evening?
> > > > > * Where are you located? I would need to find a hotel and rent a car.
> > > > > Usually I stay at the Holiday Inn near the airport and this would be my
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> > > >Jade Garden is a Chinese buffet and is located on Nampa-Caldwell
> > > >Blvd. You can exit 35 of I-84 and drive into town for about 1 mile.
> > > >At the stop light, next to the Fred Meyers, make a right trun onto
> > > >Nampa Blvd. Several miles down the road is the Jade Garden on
> > > >your right. Across the street will be Karcher Mall.
> > > >
> > > >We'll begin selecting a launch site as we approach the FRR. We
> > > >need to know what the winds will do before we can select a site.
> > > >Typically we launch from Oregon and have the capsule recover in
> > > >Idaho, away from major towns and mountains.
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> > > >You may want to subscribe to our email list on Yahoo.Groups. If
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> > > >webpage. Ask to subscribe to TVNSP.
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> > > >Paul
> > >
> > > _____
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> (208) 885-7579 (fax)
> atkinson@...
> dhatk@earthlink.net
>

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4715. Vallivue Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-16 20:59:04 UTC
From: Mike Garske
Topic: 4629 Message: 4715

Paul,

I thought I saw an email from about a week ago from Ed saying we could launch from Vallivue......I will wade through the last emails I have. Is there a meeting in Emmett tonight?

Mike KC7DPD
www.tvnsp.org
----- Original Message -----
From: <verhap@...>
To: <tvnsp@yahoogroups.com>
Sent: Wednesday, October 16, 2002 1:47 PM
Subject: Re: [tvnsp] Prediction for Saturday

> We don't know if we can launch from Vallivue, yet. Ed was going
> to look into that. Don't anyone forget that we need to ask Ed
> tonight if he got permission.
>
> Paul
>
> > I just used Vallivue School ground.
> > Shows landing just West of Mayfield about 1.5 miles east of I-84.
> >
> > >>> stephanie@... 10/16/02 11:01AM >>>
> > What launch point is being used for these predictions?
> >
> > Stephanie
> >
> >
> >
> > Randy Farley wrote:
> > > I came up with:
> > >
> > > Bearing 112 deg.
> > > Time 122 min.
> > > Range 37 Mi.
> > >
> > > Using MRF @ 1200Z
> > >
> > > >>> kd7hgs@... 10/16/02 10:26AM >>>
> > > Using a burst of 90,000ft, ascent rate of 1000f/m and
> > > descent of 1200f/m, I came up with the following for
> > > the flight:
> > >
> > > Bearing: 118 degrees
> > > Distance: 33 miles

> > > Time: 121 minutes.
> > >
> > > Anyone else?
> > >
> > > JohnK
> > > KD7HGS
> > >
> > > _____
> > > Do you Yahoo!?
> > > Faith Hill - Exclusive Performances, Videos & More
> > > http://faith.yahoo.com
> > >
> > >
> > > To unsubscribe from this group, send an email to:
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> > >
<http://rd.yahoo.com/M=212804.2460941.3878106.2273195/D=egroupweb/S=17050832
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> *http://geocities.yahoo.com/ps/info?.refer=blrecs>
> > >
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> > >
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> >
> >
> > --
> > Stephanie
> >
> > ******************************
> >

> > Friends are quiet angels who lift us to our feet when our wings have
> > trouble remembering how to fly.
> >
> > ******************************
> >
> > "They that can give up essential liberty to obtain a little temporary
> > safety deserve neither liberty nor safety."
> >
> > Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.
> >
> > "Those who desire to give up freedom in order to gain security will not
> > have, nor do they deserve, either one."
> >
> > President Thomas Jefferson.
> > 1743-1826
> >
> > ******************************
> >
> > Send and receive money safely over the Internet by using PayPal. I use
> > it and highly recommend it as a safe and reliable means to conduct
> > business. By using the link below we both will receive a $5 sign up
bonus.
> >
> > https://www.paypal.com/refer/pal=kc7dba%40arrl.net
> >
> > ******************************
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> > information intended only for the use of the individual or entity to
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> > is addressed. If the reader of this e-mail message is not the intended
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> > this message is strictly prohibited.
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> >
> > de recta non tolerandum sunt
> >
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>
>

4716. Vallivue Launch Part 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-16 21:01:43 UTC
From: Mike Garske
Topic: 4716 Message: 4716

Just as I thought Paul, here is the excerpt from the email I saw from Ed.....

Mike KC7DPD
==========

Does anyone have the lat/long for the Highschool
Campus?

Thanks
JohnK
KD7HGS
--- verhap@... wrote:
>
> ------- Forwarded Message Follows -------
> From: "Ed Livingston"
> <elivingston@sd139.k12.id.us>
> To: <VERHAP@...>
> Subject: Re: October Balloon Launch
> Date sent: Fri, 11 Oct 2002 10:19:44 -0600
>
> Paul,
>
> The VHS campus is available for a launch area Sat,
> Oct 19th, or any
> subsequent time you would like!
>
> I am stll working on the best time to train on the
> software.
>
> Ed

www.tvnsp.org

4717. Re: [tvnsp] Jade Garden is Reserved for Us!

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-16 21:05:14 UTC
From: John Knapp
Topic: 4706 Message: 4717

I checked with them when I went to lunch, the
reservation is confirmed. Thanks Mike.

JohnK
--- Mike Garske <kc7dpd@...> wrote:
> I reserved the Jade Garden for us the last time we
> were there. I will get
> the Helium tanks gauged before Friday.
>
> Mike KC7DPD
> www.tvnsp.org
> ----- Original Message -----
> From: <verhap@...>
> To: <tvnsp@yahoogroups.com>
> Sent: Wednesday, October 16, 2002 8:33 AM
> Subject: Re: [tvnsp] Re: Prelaunch meeting
>
>
> > Okay. We need to reserve the Jade Garden. I
> haven't heard from
> > Ed in couple of days now. Dr. Atkinson from U of
> I was told to
> > expect us there. I haven't heard from him in a
> ciouple of weeks, so
> > I don't know if he's still planning to attend.
> >
> > Paul
> >
> > > No.
> > >
> > > verhap@... wrote:
> > > >
> > > > Jeff, did you reserve Jade Garden at our last
> meeting?
> > > >
> > > > It looks like we'll meet there.
> > > >
> > > > Paul
> > > >
> > > >
> > > > To unsubscribe from this group, send an email
> to:
> > > > tvnsp-unsubscribe@egroups.com
> > > >
> > > >

> > > >
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> > >
> > > To unsubscribe from this group, send an email
> to:
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http://autos.yahoo.com

4718. Re: [tvnsp] TV02G Configuration

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-17 00:29:44 UTC
From: Tim Rynearson
Topic: 4700 Message: 4718
Attachments: 1 described; binary payloads are missing from this source WARC

Paul,
I notice that you have a CWID programmed into the MIM module in Capsule two. It's my humble opinion that a CW ID beacon really has no place on a frequency that is being used for data transmissions, plus it uses as much air time as probably 5 or 6 packets or more, basically wasting the bandwidth during that time. Granted, it's set to only transmit once every five minutes but it is sending redundant information because of the beacon text that's set to transmit every two minutes. If anyone disagrees with me, I've prepped my asbestos ear muffs.

Tim, N7UBO

-------Original Message-------

From: tvnsp@yahoogroups.com
Date: Wednesday, October 16, 2002 07:47:40 AM
To: tvnsp@yahoogroups.com
Subject: [tvnsp] TV02G Configuration

Here's the configuration for the TV02G capsule. Tonight I need to glue the labels to the glider and tie a loop in it's tail, except for that, everything else is complete. I ran a test program last night and cycled through the experiments. I also downloaded the flight code into the capsules, and observed the capsules to make sure the old test code wasn't still inside. The batteries in the main capsule are new, the batteries in the backup are on their second flight, but all read higher than nominal voltage. I'll bring both capsules to tonight's meeting.

Paul

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4719. Re: [tvnsp] Re: Moscow Visit

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-17 00:39:06 UTC
From: Tim Rynearson
Topic: 3650 Message: 4719
Attachments: 1 described; binary payloads are missing from this source WARC

It's been many years since I've been to Moscow, so it's about time to do it again. I should be able to plan for the time off, and I think it would be ALOT of fun to launch from there and chase from that area, especially keeping in mind that there are not many, if any, APRS digis in the area. So put me down for a YES......

Tim, N7UBO

-------Original Message-------

From: tvnsp@yahoogroups.com
Date: Wednesday, October 16, 2002 12:58:11 PM
To: tvnsp@yahoogroups.com
Subject: [tvnsp] Re: Moscow Visit

Still works for me.

regards

Randy Farley
N7GPS

>>> verhap@... 10/16/02 12:46PM >>>
That date should work for me. I'll take either professional leave or person leave. I'll pass the word onto TVNSP crew about the possibility of them doing the launch.

How about it folks, how many can go to Moscow to help out with a launch in April? I'll also look into getting help from Washington state.

Paul

> Thank Paul. I'm sorry I won't be able to make it, but I have a colleague
> from Austria arriving this weekend for a 9 month visit.
>
> Right now I have you scheduled (still tentative, but hopefully this can be

> made firm) for a department research colloquium on Thurday afternoon, April
> 3. Then, hopefully you can stay through Saturday, we would like to plan a
> balloon launch on Saturday, April 5. Bill Hiscock from Montana will be
> here on April 3, will give a Physics colloquium on Friday, April 4, and I
> believe will plan on staying through the flight on Saturday, April 5.
>
> During the time you and Bill are both here, the Idaho Space Grant/EPSCoR
> program would like to schedule a meeting with all of us to talk about how

> to develop capabilities, how to get students involved, what kind of
> instrumentation we can fly, what can be done and how to do it, etc. etc.
>
> Of course, we will cover your travel costs.
>
> Can you confirm this still agrees with your schedule, and something that
we
> can begin planning around? Thanks Paul.
>
> Dave
>
> At 12:25 PM 10/16/2002 -0700, you wrote:
> >Everything is still on. The winds are predicted to be light, so this
> >may be an easy flight.
> >
> >Paul
> >
> > > Hi Paul,
> > >
> > > Is the balloon launch still on for Saturday with the FRR on Friday
> > evening?
> > > I won't be able to make it, but there is a chance that someone else
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> > > UI - John Ophus (an education grad student who attended a balloon
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> > would fly
> > > > > down sometime on Friday and then return on Saturday. So - if this
> > works
> > > > > out (and I would need to do some reorganizing of my classes, etc.)

> > what I
> > > > > need to know is
> > > > >
> > > > > * What time is your FRR? Would it be morning, afternoon, and
evening?
> > > > > * Where are you located? I would need to find a hotel and rent a
car.
> > > > > Usually I stay at the Holiday Inn near the airport and this would

be my
> > > > > first choice, I think. Where is your FRR relative to the airport,
> > to the
> > > > > > hotel, and where do you launch from?
> > > > >
> > > >The FRR will be at 6:30 PM at the Jade Garden restaurant. The
> > > >Jade Garden is a Chinese buffet and is located on Nampa-Caldwell
> > > >Blvd. You can exit 35 of I-84 and drive into town for about 1 mile.
> > > >At the stop light, next to the Fred Meyers, make a right trun onto
> > > >Nampa Blvd. Several miles down the road is the Jade Garden on
> > > >your right. Across the street will be Karcher Mall.
> > > >
> > > >We'll begin selecting a launch site as we approach the FRR. We
> > > >need to know what the winds will do before we can select a site.
> > > >Typically we launch from Oregon and have the capsule recover in
> > > >Idaho, away from major towns and mountains.
> > > >
> > > >You may want to subscribe to our email list on Yahoo.Groups. If
> > > >you go to www.egrousp.com, you'll be routed to the correct
> > > >webpage. Ask to subscribe to TVNSP.
> > > >
> > > >Paul
> > >
> > > _____
> > > Dr. David H. Atkinson, Professor
> > > Associate Director, Idaho NASA Space Grant & NASA EPSCoR
> > > Department of Electrical and Computer Engineering
> > > University of Idaho, PO Box 441023
> > > Moscow, ID 83844-1023
> > > USA
> > >
> > > (208) 885-6870
> > > (208) 885-7579 (fax)
> > > atkinson@...
> > > dhatk@...
> > >
>
> _____
> Dr. David H. Atkinson, Professor
> Associate Director, Idaho NASA Space Grant & NASA EPSCoR
> Department of Electrical and Computer Engineering
> University of Idaho, PO Box 441023
> Moscow, ID 83844-1023
> USA
>
> (208) 885-6870
> (208) 885-7579 (fax)
> atkinson@...
> dhatk@...
>

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4720. Re: [tvnsp] Vallivue Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-17 00:40:10 UTC
From: Tim Rynearson
Topic: 4629 Message: 4720
Attachments: 1 described; binary payloads are missing from this source WARC

The Emmett meeting is TOMORROW, THURSDAY, at 7:00.....

-------Original Message-------

From: tvnsp@yahoogroups.com
Date: Wednesday, October 16, 2002 02:24:15 PM
To: tvnsp@yahoogroups.com
Subject: [tvnsp] Vallivue Launch

Paul,

I thought I saw an email from about a week ago from Ed saying we could
launch from Vallivue......I will wade through the last emails I have. Is
there a meeting in Emmett tonight?

Mike KC7DPD
www.tvnsp.org
----- Original Message -----
From: <verhap@...>
To: <tvnsp@yahoogroups.com>
Sent: Wednesday, October 16, 2002 1:47 PM
Subject: Re: [tvnsp] Prediction for Saturday

> We don't know if we can launch from Vallivue, yet. Ed was going
> to look into that. Don't anyone forget that we need to ask Ed
> tonight if he got permission.
>
> Paul
>
> > I just used Vallivue School ground.
> > Shows landing just West of Mayfield about 1.5 miles east of I-84.
> >
> > >>> stephanie@... 10/16/02 11:01AM >>>
> > What launch point is being used for these predictions?
> >
> > Stephanie
> >
> >
> >
> > Randy Farley wrote:
> > > I came up with:
> > >
> > > Bearing 112 deg.
> > > Time 122 min.
> > > Range 37 Mi.

> > >
> > > Using MRF @ 1200Z
> > >
> > > >>> kd7hgs@... 10/16/02 10:26AM >>>
> > > Using a burst of 90,000ft, ascent rate of 1000f/m and
> > > descent of 1200f/m, I came up with the following for
> > > the flight:
> > >
> > > Bearing: 118 degrees
> > > Distance: 33 miles
> > > Time: 121 minutes.
> > >
> > > Anyone else?
> > >
> > > JohnK
> > > KD7HGS
> > >
> > > _____
> > > Do you Yahoo!?
> > > Faith Hill - Exclusive Performances, Videos & More
> > > http://faith.yahoo.com
> > >
> > >
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> > >
> > >
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81:HM/A=810327/R=0/
> *http://geocities.yahoo.com/ps/info?.refer=blrecs>
> > >
<http://rd.yahoo.com/M=212804.2460941.3878106.2273195/D=egroupweb/S=17050832
81:HM/A=810327/R=1/
> *http://geocities.yahoo.com/ps/info?.refer=blrecs>
> > >
> > >
> > >
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> > >

> > >
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> > > <http://docs.yahoo.com/info/terms/>.
> >
> >
> > --
> > Stephanie
> >
> > ********************************
> >
> > Friends are quiet angels who lift us to our feet when our wings have
> > trouble remembering how to fly.
> >
> > ********************************
> >
> > "They that can give up essential liberty to obtain a little temporary
> > safety deserve neither liberty nor safety."
> >
> > Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.
> >
> > "Those who desire to give up freedom in order to gain security will not
> > have, nor do they deserve, either one."
> >
> > President Thomas Jefferson.
> > 1743-1826
> >
> > ********************************
> >
> > Send and receive money safely over the Internet by using PayPal. I use
> > it and highly recommend it as a safe and reliable means to conduct
> > business. By using the link below we both will receive a $5 sign up
bonus.
> >
> > https://www.paypal.com/refer/pal=kc7dba%40arrl.net
> >
> > ********************************
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in
> > this message is strictly prohibited.
> >
> >
> > de recta non tolerandum sunt
> >

> >
> >
> >
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4721. Re: [tvnsp] Vallivue Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-17 14:15:27 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4629 Message: 4721

I talked to Ed last night. We have permission to launch from
Vallivue (if the winds cooperate). The meeting in Emmett is tonight.

Does anyone else plan top attend?

Paul

> Paul,
>
> I thought I saw an email from about a week ago from Ed saying we could
> launch from Vallivue......I will wade through the last emails I have. Is
> there a meeting in Emmett tonight?

4722. Re: [tvnsp] Vallivue Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-17 14:00:57 UTC
From: Mike Garske
Topic: 4629 Message: 4722

I will probably attend Paul. Can someone send the directions to the Emmett meeting?

Mike KC7DPD
www.tvnsp.org
----- Original Message -----
From: <verhap@...>
To: <tvnsp@yahoogroups.com>
Sent: Thursday, October 17, 2002 8:15 AM
Subject: Re: [tvnsp] Vallivue Launch

> I talked to Ed last night. We have permission to launch from
> Vallivue (if the winds cooperate). The meeting in Emmett is tonight.
>
> Does anyone else plan top attend?
>
> Paul
>
> > Paul,
> >
> > I thought I saw an email from about a week ago from Ed saying we could
> > launch from Vallivue......I will wade through the last emails I have. Is
> > there a meeting in Emmett tonight?
>
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
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>
>

4723. Re: [tvnsp] Vallivue Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-17 15:41:16 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4629 Message: 4723

It's at the only pizza place in Emmett. Other than that, I was going
to search around for it myself. The meeting begins at 7:00 PM. I
plan to have dinner before I get there.

Paul

> I will probably attend Paul. Can someone send the directions to the Emmett
> meeting?
>
> Mike KC7DPD
> www.tvnsp.org
> ----- Original Message -----
> From: <verhap@...>
> To: <tvnsp@yahoogroups.com>
> Sent: Thursday, October 17, 2002 8:15 AM
> Subject: Re: [tvnsp] Vallivue Launch
>
>
> > I talked to Ed last night. We have permission to launch from
> > Vallivue (if the winds cooperate). The meeting in Emmett is tonight.
> >
> > Does anyone else plan top attend?
> >
> > Paul
> >
> > > Paul,
> > >
> > > I thought I saw an email from about a week ago from Ed saying we could
> > > launch from Vallivue......I will wade through the last emails I have. Is
> > > there a meeting in Emmett tonight?
> >
> >
> >
> > To unsubscribe from this group, send an email to:
> > tvnsp-unsubscribe@egroups.com
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>

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>
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>

4724. Emmett Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-17 17:02:58 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4629 Message: 4724

Tim, can you email the directions again?
Paul

> I will probably attend Paul. Can someone send the directions to the Emmett
> meeting?

4725. TV02G

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-17 17:12:33 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4166 Message: 4725

The weather is predicted to be very nice on Saturday. Form the graphic MRF, there is still a surface high pressure system but the upper level high is "falling a part" (I hope that's the proper way to say that - Mark?). However, the winds aloft are still predicted to be light and out of the west.

I'll run a prediction later, but I don't imagine the range is going to change much. The bearing is what looks like is going to change.

We have permission to launch from the high school. Since the sun rises around 8:00 AM, I'd like to launch around then. I need to let students know by Friday if we can launch from Vallivue at 8:00 AM. So please email your input.

Paul

4726. Re: [tvnsp] TV02G

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-17 17:02:11 UTC
From: John Knapp
Topic: 4166 Message: 4726

I am using the ETA model (40km over US), location at
BOI, and date/time of Oct. 19, 2002 at 15UTC (+51
hrs). I have the following results:

Time: 121 minutes
Bearing: 118 degrees
Range: 38.7 miles.

I am using a burst altitude of 90,000 ft, 1000f/m
ascent and 1200f/m descent.

JohnK
--- verhap@... wrote:
> The weather is predicted to be very nice on
> Saturday. Form the
> graphic MRF, there is still a surface high pressure
> system but the
> upper level high is "falling a part" (I hope that's
> the proper way to
> say that - Mark?). However, the winds aloft are
> still predicted to be
> light and out of the west.
>
> I'll run a prediction later, but I don't imagine the
> range is going to
> change much. The bearing is what looks like is
> going to change.
>
> We have permission to launch from the high school.
> Since the sun
> rises around 8:00 AM, I'd like to launch around
> then. I need to let
> students know by Friday if we can launch from
> Vallivue at 8:00 AM.
> So please email your input.
>
> Paul
>

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4727. Re: [tvnsp] TV02G

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-17 17:08:52 UTC
From: Randy Farley
Topic: 4166 Message: 4727

The time and location sounds good for me Paul
I ran a prediction awhile ago and got:

Time 122 min.
Bearing 117 deg.
Range 41 mi.

Basically following I-84 SE near Mayfield again.

>>> verhap@... 10/17/02 10:12AM >>>
The weather is predicted to be very nice on Saturday. Form the
graphic MRF, there is still a surface high pressure system but the
upper level high is "falling a part" (I hope that's the proper way to
say that - Mark?). However, the winds aloft are still predicted to be
light and out of the west.

I'll run a prediction later, but I don't imagine the range is going to
change much. The bearing is what looks like is going to change.

We have permission to launch from the high school. Since the sun
rises around 8:00 AM, I'd like to launch around then. I need to let
students know by Friday if we can launch from Vallivue at 8:00 AM.
So please email your input.

Paul

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4728. Re: [tvnsp] TV02G Configuration

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-17 17:27:07 UTC
From: Zack Clobes
Topic: 4700 Message: 4728
Attachments: 1 described; binary payloads are missing from this source WARC

I'm not sure of Paul's logic behind it, but a CW ID from the primary transmitter would be very helpful if you need to RDF the capsule's primary. If you were on a sub-standard frequency, then I think decreasing the time between CWID transmits could be helpful, but I tend to agree with you that it shouldn't be on 144.39.

Zack Clobes, W0ZC
Project: Traveler
www.rckara.org/
----- Original Message -----
From: Tim Rynearson
To: tvnsp@yahoogroups.com
Sent: Wednesday, October 16, 2002 7:29 PM
Subject: Re: [tvnsp] TV02G Configuration

Paul,
I notice that you have a CWID programmed into the MIM module in Capsule two. It's my humble opinion that a CW ID beacon really has no place on a frequency that is being used for data transmissions, plus it uses as much air time as probably 5 or 6 packets or more, basically wasting the bandwidth during that time. Granted, it's set to only transmit once every five minutes, but it is sending redundant information because of the beacon text that's set to transmit every two minutes. If anyone disagrees with me, I've prepped my asbestos ear muffs.

Tim, N7UBO

-------Original Message-------

From: tvnsp@yahoogroups.com
Date: Wednesday, October 16, 2002 07:47:40 AM
To: tvnsp@yahoogroups.com
Subject: [tvnsp] TV02G Configuration

Here's the configuration for the TV02G capsule. Tonight I need to
glue the labels to the glider and tie a loop in it's tail, except for that,
everything else is complete. I ran a test program last night and
cycled through the experiments. I also downloaded the flight code
into the capsules, and observed the capsules to make sure the old
test code wasn't still inside. The batteries in the main capsule are
new, the batteries in the backup are on their second flight, but all
read higher than nominal voltage. I'll bring both capsules to
tonight's meeting.

Paul

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4729. Helium Status- Please Read!

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-17 18:12:42 UTC
From: Mike Garske
Topic: 4729 Message: 4729

Group,

Looks like we have a total of 2500 psi out of a possible 6000psi....in other words we have about 1.25 bottles of Helium. I vote we pick up one more bottle for the flight. Let me know, I can pick it up anytime. I am willing to kick in $20 towards the cause....what a guy! :)

Mike KC7DPD
www.tvnsp.org

4730. Re: [tvnsp] Helium Status- Please Read!

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-17 20:02:12 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4729 Message: 4730

We need another, just in case. The extra will go ionto the next
launch.

Paul

> Group,
>
> Looks like we have a total of 2500 psi out of a possible 6000psi....in other words we have about 1.25 bottles of Helium. I vote we pick up one more bottle for the flight. Let me know, I can pick it up anytime. I am willing to kick in $20 towards the cause....what a guy! :)
>
> Mike KC7DPD
> www.tvnsp.org

4731. Re: [tvnsp] Helium Status- Please Read!

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-17 19:05:57 UTC
From: Mike Garske
Topic: 4729 Message: 4731

Ok, I will pick it up either today or tomorrow. By the way I won't make the
Emmett meeting after all....I forgot it is my bowling night....sorry Paul.

Mike KC7DPD
www.tvnsp.org
----- Original Message -----
From: <verhap@...>
To: <tvnsp@yahoogroups.com>
Sent: Thursday, October 17, 2002 2:02 PM
Subject: Re: [tvnsp] Helium Status- Please Read!

> We need another, just in case. The extra will go ionto the next
> launch.
>
> Paul

4732. Re: [tvnsp] Helium Status- Please Read!

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-17 21:35:13 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4729 Message: 4732

Thanks, Mike. sorry to hear you won't be able to attend tonight's
meeting.

Paul

> Ok, I will pick it up either today or tomorrow. By the way I won't make the
> Emmett meeting after all....I forgot it is my bowling night....sorry Paul.
>
> Mike KC7DPD
> www.tvnsp.org
> ----- Original Message -----
> From: <verhap@...>
> To: <tvnsp@yahoogroups.com>
> Sent: Thursday, October 17, 2002 2:02 PM
> Subject: Re: [tvnsp] Helium Status- Please Read!
>
>
> > We need another, just in case. The extra will go ionto the next
> > launch.
> >
> > Paul
>
>
>
>
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>
>
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>
>

4733. Re: [tvnsp] TV02G Configuration

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-17 21:43:57 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4700 Message: 4733

It's a feature in the MIM (the Tiny Trak also). It's just another way
to find the capsule if the GPS goes bad. I imagine it's tough to DF
a packet burst. The CW ID takes several seconds. there's no way
to have the MIM or TT use a second radio. I know of no way to get
the HT to use a seperate frequency for APRS and CW.

Paul

> I'm not sure of Paul's logic behind it, but a CW ID from the primary transmitter would be very helpful if you need to RDF the capsule's primary. If you were on a sub-standard frequency, then I think decreasing the time between CWID transmits could be helpful, but I tend to agree with you that
> it shouldn't be on 144.39.
>
> Zack Clobes, W0ZC
> Project: Traveler
> www.rckara.org/
> ----- Original Message -----
> From: Tim Rynearson
> To: tvnsp@yahoogroups.com
> Sent: Wednesday, October 16, 2002 7:29 PM
> Subject: Re: [tvnsp] TV02G Configuration
>
>
> Paul,
> I notice that you have a CWID programmed into the MIM module in Capsule two. It's my humble opinion that a CW ID beacon really has no place on a frequency that is being used for data transmissions, plus it uses as much air time as probably 5 or 6 packets or more, basically wasting
> the bandwidth during that time. Granted, it's set to only transmit once every five minutes, but it is sending redundant information because of the beacon text that's set to transmit every two minutes. If anyone disagrees with me, I've prepped my asbestos ear muffs.
>
> Tim, N7UBO
>
> -------Original Message-------
>
> From: tvnsp@yahoogroups.com
> Date: Wednesday, October 16, 2002 07:47:40 AM
> To: tvnsp@yahoogroups.com
> Subject: [tvnsp] TV02G Configuration
>
> Here's the configuration for the TV02G capsule. Tonight I need to
> glue the labels to the glider and tie a loop in it's tail, except for that,
> everything else is complete. I ran a test program last night and

> cycled through the experiments. I also downloaded the flight code
> into the capsules, and observed the capsules to make sure the old
> test code wasn't still inside. The batteries in the main capsule are
> new, the batteries in the backup are on their second flight, but all
> read higher than nominal voltage. I'll bring both capsules to
> tonight's meeting.
>
> Paul
>
>
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4734. Re: Latest prediction

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-17 21:46:02 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4734 Message: 4734

Looks like a good flight. Since I haven't heard anything, I'd like to try to launch from Vallivue (Friday night will know for sure). So when we do predictions, let's see where a Vallivue launch would land.

Paul

> I am using the ETA model (40km over US), location at BOI, and date/time of Oct. 19, 2002 at 15UTC (+51 hrs). I have the following results:
>
> Time: 121 minutes
> Bearing: 118 degrees
> Range: 38.7 miles.
>
> I am using a burst altitude of 90,000 ft, 1000f/m ascent and 1200f/m descent.

4735. Re: [tvnsp] TV02G Configuration

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-18 02:29:42 UTC
From: Bill Herrmann
Topic: 4700 Message: 4735

At 02:43 PM 10/17/02 -0700, you wrote:
>It's a feature in the MIM (the Tiny Trak also). It's just another way
>to find the capsule if the GPS goes bad. I imagine it's tough to DF
>a packet burst. The CW ID takes several seconds. there's no way
>to have the MIM or TT use a second radio. I know of no way to get
>the HT to use a seperate frequency for APRS and CW.

Can I suggest that you only do the CWID if the GPS data is indicating that it's invalid? It's pretty easy to tell since I believe your flight control computer is looking at the NMEA data anyway.

That way you have the best of both worlds. You don't tie up the APRS frequency for any length of time and you have the CWID when you need it.

It's too late for this flight but I'd also include a reset circuit. I haven't found any plans (though it shouldn't be tough to design) but I know PCSat just uses a simple "if I haven't seen PTT in the last 90 seconds I reset" as one reset circuit. I haven't tried it yet, but I did run it past somebody that designs electronics all the time. He confirmed that a simple compare circuit on the PTT should be almost unnoticeable and give you good isolation. (PTT grounds for talk - note that where you tap into it probably depends on where you wired the resistor and capacitor that most HT interfaces take)

Bill

4736. ETA Predictions 17 Oct 18z

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-18 03:19:22 UTC
From: K7JPS - John
Topic: 4736 Message: 4736

I just ran predictions using the ETA model at +42 Hours (19 Oct 12Z.) I had to modify the data to include the current winds (18 Oct 0z) above 20633m (67694').

My results were:

Bearing: 107 degrees
Range: 44 miles
Time: 120 minutes

If launched from Vallivue HS it would touch down east of Mayfield (mountains?)
If launched from Bully Creek it would touch down south of Emmett (mountains?)
If launched from Succor Creek it would touch down between Oreana and Grandview (Snake River?)
If launched from Murphy it would touch down east of Mountain Home AFB (need I say more?)

John "I do still monitor the list" the younger
K7JPS

4737. Re: [tvnsp] Vallivue Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-18 03:43:28 UTC
From: Tim Rynearson
Topic: 4629 Message: 4737
Attachments: 1 described; binary payloads are missing from this source WARC

The directions were posted in an earlier reply to Paul. Oh, and by the way, Emmett DOES have more than one pizza place.....Pizza Hut, Hometown Pizza, and Pizza Factory.....

Tim

-------Original Message-------

From: tvnsp@yahoogroups.com
Date: Thursday, October 17, 2002 08:10:10 AM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] Vallivue Launch

It's at the only pizza place in Emmett. Other than that, I was going to search around for it myself. The meeting begins at 7:00 PM. I plan to have dinner before I get there.

Paul

> I will probably attend Paul. Can someone send the directions to the Emmett
> meeting?
>
> Mike KC7DPD
> www.tvnsp.org
> ----- Original Message -----
> From: <verhap@...>
> To: <tvnsp@yahoogroups.com>
> Sent: Thursday, October 17, 2002 8:15 AM
> Subject: Re: [tvnsp] Vallivue Launch
>
>
> > I talked to Ed last night. We have permission to launch from
> > Vallivue (if the winds cooperate). The meeting in Emmett is tonight.
> >
> > Does anyone else plan top attend?
> >
> > Paul
> >
> > > Paul,
> > >
> > > I thought I saw an email from about a week ago from Ed saying we could
> > > launch from Vallivue......I will wade through the last emails I have.
Is
> > > there a meeting in Emmett tonight?
> >

> >
> >
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4738. Re: [tvnsp] ETA Predictions 17 Oct 18z

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-18 04:01:54 UTC
From: Tim Rynearson
Topic: 4736 Message: 4738
Attachments: 1 described; binary payloads are missing from this source WARC

South of Emmett would probably be a preferred recovery area. The hills are much gentler than other areas, as witnessed by those that recovered a prior payload in the area between Emmett and Middleton.

Tim

-------Original Message-------

From: tvnsp@yahoogroups.com
Date: Thursday, October 17, 2002 08:42:58 PM
To: TVNSP - Treasure Valley Near Space Program
Subject: [tvnsp] ETA Predictions 17 Oct 18z

I just ran predictions using the ETA model at +42 Hours (19 Oct 12Z.) I had to modify the data to include the current winds (18 Oct 0z) above 20633m (67694').

My results were:

Bearing: 107 degrees
Range: 44 miles
Time: 120 minutes

If launched from Vallivue HS it would touch down east of Mayfield (mountains?)
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If launched from Succor Creek it would touch down between Oreana and Grandview (Snake River?)
If launched from Murphy it would touch down east of Mountain Home AFB (need I say more?)

John "I do still monitor the list" the younger
K7JPS

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4739. Re: [tvnsp] ETA Predictions 17 Oct 18z

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-18 05:27:35 UTC
From: Bill Herrmann
Topic: 4736 Message: 4739

At 10:01 PM 10/17/02 -0600, you wrote:
>South of Emmett would probably be a preferred recovery area. The hills are
>much gentler than other areas, as witnessed by those that recovered a
>prior payload in the area between Emmett and Middleton.

I guess technically I'm SE of Emmett, but if you guys want to land it in my field go ahead. <grin>

OTOH if we float it past Mountain Home AFB we don't have to worry about a cutdown device. The USAF will take care of that for us... (Just kidding!)

Bill

p.s. I'm available for over the air support in the morning till roughly 10:00. We've got soccer games after that. Not sure yet if I'll make the prep meeting.

4740. Re: [tvnsp] TV02G Configuration

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-18 14:24:18 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4700 Message: 4740

> Can I suggest that you only do the CWID if the GPS data is indicating that
> it's invalid? It's pretty easy to tell since I believe your flight control
> computer is looking at the NMEA data anyway.

This is the MIM flight computer, not my CC/PS.

Did I just imagine it, or did I read some place that CW could be
sent over all bands?

Paul

4741. MIM Beacon, was TV02G Configuration

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-18 14:37:20 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4700 Message: 4741

> > Can I suggest that you only do the CWID if the GPS data is indicating that
> > it's invalid? It's pretty easy to tell since I believe your flight control
> > computer is looking at the NMEA data anyway.
>
> This is the MIM flight computer, not my CC/PS.
>
> Did I just imagine it, or did I read some place that CW could be
> sent over all bands?

I guess the answer to that is, yes, but just because it's allowed,
doesn't mean you should do it.

Anyhow, this is a MIM, I can't change frequencies or shut off the
feature until there's a problem on the flight. It's currently set for five
minute intervals and takes a couple of seconds. Would it be less
pesky if I change that rate to once every 10 minutes?

In future flights the CC/PS will operate a CW beacon. for tjhos
flights, what's a good frequency?

4742. TV02G Prediction, 18 Oct, 7:42 AM

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-18 14:49:58 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4742 Message: 4742

I just ran a prediction using the AVN model for 9:00 AM our time. The predicted landing location is at range 39.7 miles and bearing 109 degrees. Not too far from John's earlier prediction. Perhaps the variation in bearings will now settle down. So it sounds like Bully Creek.

If the burst altitude is 5,000 feet higher, it moves the landing site 2 miles further down range. The bearing increases by one degree.

If burst is 5,000 feet lower, the range is reduced by two miles and the bearing decreases by about 1.5 degrees.

I imagine (without looking at a map), that the change in bearing is not significant. When we choose a launch site, we want to look at the terrain in a four mile ellipse, centered on the predicted landing site.

Paul

4743. Thermochron

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-18 14:51:17 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1808 Message: 4743

Jeff, can I use your T-chron on this flight? I've sewn a new style MLI blanket for the second module and would like to compare temperatures in both battery compartments.

Paul

4744. TV02G prediction, pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-18 15:05:00 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4744 Message: 4744

I made a mistake, I used the ETA model on the first prediction. On this prediction I used the AVN model.

The range is 37 miles and bearing 110 degrees. The two models agree well.

Paul

4745. Re: [tvnsp] ETA Predictions 17 Oct 18z

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-18 14:31:37 UTC
From: John Knapp
Topic: 4736 Message: 4745

Only problem is that a lot of that land is private and
getting access may me a major problem. While a good
landing area, I would prefer somewhere else because of
the land issues.

JohnK
--- Tim Rynearson <n7ubo@...> wrote:
> South of Emmett would probably be a preferred
> recovery area. The hills are
> much gentler than other areas, as witnessed by those
> that recovered a prior
> payload in the area between Emmett and Middleton.
>
> Tim
>
> -------Original Message-------
>
> From: tvnsp@yahoogroups.com
> Date: Thursday, October 17, 2002 08:42:58 PM
> To: TVNSP - Treasure Valley Near Space Program
> Subject: [tvnsp] ETA Predictions 17 Oct 18z
>
> I just ran predictions using the ETA model at +42
> Hours (19 Oct 12Z.) I had
> to modify the data to include the current winds (18
> Oct 0z) above 20633m
> (67694').
>
> My results were:
>
> Bearing: 107 degrees
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> If launched from Vallivue HS it would touch down
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> south of Emmett
> (mountains?)
> If launched from Succor Creek it would touch down
> between Oreana and
> Grandview (Snake River?)
> If launched from Murphy it would touch down east of
> Mountain Home AFB (need

> I say more?)
>
> John "I do still monitor the list" the younger
> K7JPS
>
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4746. Re: [tvnsp] TV02G Configuration

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-18 14:34:41 UTC
From: Stephanie Steele
Topic: 4700 Message: 4746

Sending CW on the APRS frequency is not recommended but for a short duration balloon flight should not cause too much heartburn. It just serves to tie up the frequency and prevent properly formatted packets from being moved. I would suggest if you just have to send CW please send it no more often than once every 10 minutes. There is no requirement to send CW on any band unless you are operating CW in the CW portion of a band.. The only ID requirement is to ID once every 10 minutes and at the end of your contact. APRS takes care of this by sending the callsign with each packet.

Stephanie

verhap@... wrote:

> > Can I suggest that you only do the CWID if the GPS data is
> indicating that
> > it's invalid? It's pretty easy to tell since I believe your flight
> control
> > computer is looking at the NMEA data anyway.
>
> This is the MIM flight computer, not my CC/PS.
>
> Did I just imagine it, or did I read some place that CW could be
> sent over all bands?
>
> Paul
>
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4747. Re: [tvnsp] TV02G Prediction, 18 Oct, 7:42 AM

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-18 15:20:06 UTC
From: Stephanie Steele
Topic: 4742 Message: 4747

As you run your predictions you might consider these launch points if
you need to move the landing zone as indicated.

To move the landing east look at:

Cairo School 43 59.267 -117.00.636

To move the landing south and east look at:

Nyssa School 43 52.597 -117.00.030

These coordinates are estimates (should be good enough). I have the
actual coordinates in the car if anyone wants them.

Stephanie

verhap@... wrote:

> I just ran a prediction using the AVN model for 9:00 AM our time.
> The predicted landing location is at range 39.7 miles and bearing
> 109 degrees. Not too far from John's earlier prediction. Perhaps
> the variation in bearings will now settle down. So it sounds like
> Bully Creek.
>
> If the burst altitude is 5,000 feet higher, it moves the landing site 2
> miles further down range. The bearing increases by one degree.
>
> If burst is 5,000 feet lower, the range is reduced by two miles and
> the bearing decreases by about 1.5 degrees.
>
> I imagine (without looking at a map), that the change in bearing is
> not significant. When we choose a launch site, we want to look at
> the terrain in a four mile ellipse, centered on the predicted landing
> site.
>
> Paul
>
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> <http://rd.yahoo.com/M=212804.2460941.3878106.2273195/D=egroupweb/S=1705083281:HM/A=810327/R=1/*http://geocities.yahoo.com/ps/info?.refer=blrecs>
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4748. Re: [tvnsp] TV02G Prediction, 18 Oct, 7:42 AM

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-18 16:53:33 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4742 Message: 4748

More good launch options, thanks Stephanie.

Who is attending the FRR tonight?
Who can help with launch tomorrow?
Who will have a mobile tracker?

Paul "Too many questions" Verhage

> As you run your predictions you might consider these launch points if
> you need to move the landing zone as indicated.
>
> To move the landing east look at:
>
> Cairo School 43 59.267 -117.00.636
>
> To move the landing south and east look at:
>
> Nyssa School 43 52.597 -117.00.030
>
> These coordinates are estimates (should be good enough). I have the
> actual coordinates in the car if anyone wants them.

4749. Re: [tvnsp] TV02G Prediction, 18 Oct, 7:42 AM

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-18 15:58:40 UTC
From: Randy Farley
Topic: 4742 Message: 4749

Yes on all three queries.

Stephanie if you are going to make it,i will bring your
boards and the Diamond antenna for you.

regards

Randy
N7GPS

>>> verhap@... 10/18/02 09:53AM >>>
More good launch options, thanks Stephanie.

Who is attending the FRR tonight?
Who can help with launch tomorrow?
Who will have a mobile tracker?

Paul "Too many questions" Verhage

> As you run your predictions you might consider these launch points if
> you need to move the landing zone as indicated.
>
> To move the landing east look at:
>
> Cairo School 43 59.267 -117.00.636
>
> To move the landing south and east look at:
>
> Nyssa School 43 52.597 -117.00.030
>
> These coordinates are estimates (should be good enough). I have the
> actual coordinates in the car if anyone wants them.

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4750. Re: [tvnsp] TV02G Prediction, 18 Oct, 7:42 AM

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-18 16:44:39 UTC
From: Stephanie Steele
Topic: 4742 Message: 4750

Sorry, but I have to continue working on my construction project. None of my volunteer help has materialized so I am doing it all myself and progress is way behind. I have to get it closed in and painted before the nice weather leaves. Hate to miss it.

Stephanie

Randy Farley wrote:
> Yes on all three queries.
>
> Stephanie if you are going to make it,i will bring your
> boards and the Diamond antenna for you.
>
> regards
>
>
>
> Randy
> N7GPS
>
> >>> verhap@... 10/18/02 09:53AM >>>
> More good launch options, thanks Stephanie.
>
> Who is attending the FRR tonight?
> Who can help with launch tomorrow?
> Who will have a mobile tracker?
>
> Paul "Too many questions" Verhage
>
> > As you run your predictions you might consider these launch points if
> > you need to move the landing zone as indicated.
> >
> > To move the landing east look at:
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> > Cairo School 43 59.267 -117.00.636
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> > These coordinates are estimates (should be good enough). I have the
> > actual coordinates in the car if anyone wants them.
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--
Stephanie

****

Friends are quiet angels who lift us to our feet when our wings have
trouble remembering how to fly.

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

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4751. Re: [tvnsp] TV02G Prediction, 18 Oct, 7:42 AM

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-18 17:17:57 UTC
From: Randy Farley
Topic: 4742 Message: 4751

Ok
I will continue to play and not even feel guilty ;-))

>>> stephanie@kc7dba.com 10/18/02 10:44AM >>>
Sorry, but I have to continue working on my construction project. None
of my volunteer help has materialized so I am doing it all myself and
progress is way behind. I have to get it closed in and painted before
the nice weather leaves. Hate to miss it.

Stephanie

Randy Farley wrote:
> Yes on all three queries.
>
> Stephanie if you are going to make it,i will bring your
> boards and the Diamond antenna for you.
>
> regards
>
>
>
> Randy
> N7GPS
>
> >>> verhap@....us 10/18/02 09:53AM >>>
> More good launch options, thanks Stephanie.
>
> Who is attending the FRR tonight?
> Who can help with launch tomorrow?
> Who will have a mobile tracker?
>
> Paul "Too many questions" Verhage
>
> > As you run your predictions you might consider these launch points if
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--
Stephanie

****

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Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

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4752. Re: [tvnsp] Thermochron

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-18 21:19:55 UTC
From: Jeff Melanson
Topic: 1808 Message: 4752

I'll bring it to the meeting tonight.

Jeff

verhap@... wrote:
>
> Jeff, can I use your T-chron on this flight? I've sewn a new style
> MLI blanket for the second module and would like to compare
> temperatures in both battery compartments.
>
> Paul
>
>
> To unsubscribe from this group, send an email to:
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4753. Re: [tvnsp] TV02G Prediction, 18 Oct, 7:42 AM

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-18 21:25:01 UTC
From: Jeff Melanson
Topic: 4742 Message: 4753

Me Myself and I.

Jeff
KD7INN

verhap@... wrote:
>
> More good launch options, thanks Stephanie.
>
> Who is attending the FRR tonight?
> Who can help with launch tomorrow?
> Who will have a mobile tracker?
>
> Paul "Too many questions" Verhage
>
> > As you run your predictions you might consider these launch points if
> > you need to move the landing zone as indicated.
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> > To move the landing south and east look at:
> >
> > Nyssa School 43 52.597 -117.00.030
> >
> > These coordinates are estimates (should be good enough). I have the
> > actual coordinates in the car if anyone wants them.
>
>
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>
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4754. Re: [tvnsp] Helium Status- Please Read!

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-18 21:27:30 UTC
From: Jeff Melanson
Topic: 4729 Message: 4754

I'll make a donation. Mike, will you be there tonight?

Jeff
KD7INN

> Mike Garske wrote:
>
> Group,
>
> Looks like we have a total of 2500 psi out of a
> possible 6000psi....in other words we have about 1.25
> bottles of Helium. I vote we pick up one more bottle for
> the flight. Let me know, I can pick it up anytime. I am
> willing to kick in $20 towards the cause....what a guy! :)
>
> Mike KC7DPD
> www.tvnsp.org
>
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> ADVERTISEMENT
>
> [Image] [Image]
>
>
>
> To unsubscribe from this group, send an email to:
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> of Service.

4755. Re: [tvnsp] TV02G Prediction, 18 Oct, 7:42 AM

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-18 21:30:12 UTC
From: John Stone
Topic: 4742 Message: 4755

My answer is Me^3...

John Stone
K7JPS

<<Paul Wrote...>>
More good launch options, thanks Stephanie.

Who is attending the FRR tonight?
Who can help with launch tomorrow?
Who will have a mobile tracker?

Paul "Too many questions" Verhage

4756. Re: [tvnsp] Running out of balloons.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-18 21:37:02 UTC
From: Jeff Melanson
Topic: 4693 Message: 4756

Oops, I meant they substitued a 350 in place of the out of
stock 300.

Jeff
KD7INN

Jeff Melanson wrote:
>
> John,
>
> I called Kaymont to check on the 300 gram balloon you
> wanted. Paul claims it's on the way. They substituted the
> 300 for a 350 because they are out of stock on the 300's.
>
> Jeff
> KD7INN
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

4757. Re: [tvnsp] Helium Status- Please Read!

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-18 23:02:49 UTC
From: Mike Garske
Topic: 4729 Message: 4757

Yup, I will be there tonight.....

Mike KC7DPD
www.tvnsp.org
----- Original Message -----
From: "Jeff Melanson" <kd7inn@...>
To: <tvnsp@yahoogroups.com>
Sent: Friday, October 18, 2002 3:27 PM
Subject: Re: [tvnsp] Helium Status- Please Read!

> I'll make a donation. Mike, will you be there tonight?
>
> Jeff
> KD7INN
>
> > Mike Garske wrote:
> >
> > Group,
> >
> > Looks like we have a total of 2500 psi out of a
> > possible 6000psi....in other words we have about 1.25
> > bottles of Helium. I vote we pick up one more bottle for
> > the flight. Let me know, I can pick it up anytime. I am
> > willing to kick in $20 towards the cause....what a guy! :)
> >
> > Mike KC7DPD
> > www.tvnsp.org
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> > [Image] [Image]
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> >
> >
> > To unsubscribe from this group, send an email to:
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>
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>
>

4758. Boy Scout Invitation 10-29-02 Noon Kiwanis Curtis Park near Caldwell ID

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-19 03:12:27 UTC
From: Russ Dunn
Topic: 4758 Message: 4758

Three sets of Boy Scout leaders are at a training camp tonight near Caldwell. They have extended an invitation to spotlight ham radio tomorrow (Saturday) at noon. Their training schedule is completely full, but this will be during lunch and should work out well. By then, we should have some very recent balloon data.

Any volunteers to bring TVNSP stuff and showcase it? I have an inverter and a laptop, but not all the APRS software. It will be emergency power exclusively. It's a rural camp.

These are Boise and Meridian troops. I've identified one ham prospect already with whom I will follow up tomorrow. How will the kids learn radio if their teachers aren't involved? Must start somewhere.

I'll be on 147.24 mobile as it will take me 20 minutes to get there (11:40 AM and forward).

Russ "selling the hobby" Dunn
N7SMA
Home 454-2336

4759. Weather Links For John the Elder

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-19 03:48:39 UTC
From: Mike Garske
Topic: 4759 Message: 4759

Here ya go John, have fun.....!

Mike KC7DPD
www.tvnsp.org

University of Wyoming
http://weather.uwyo.edu/upperair/sounding.html

Aviation Weather
http://www.aviationweather.com/

Unisys
http://weather.unisys.com/

4760. Re: [tvnsp] TV02G Prediction, 18 Oct, 7:42 AM

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-19 03:51:21 UTC
From: Tim Rynearson
Topic: 4742 Message: 4760
Attachments: 1 described; binary payloads are missing from this source WARC

My apologies for not being able to attend the meeting this evening, but I
was on the road from Meridian to Ontario to Emmett during that time frame.
What was decided on for a launch location ?

Tim

-------Original Message-------

From: tvnsp@yahoogroups.com
Date: Friday, October 18, 2002 07:12:52 AM
To: tvnsp@yahoogroups.com
Subject: [tvnsp] TV02G Prediction, 18 Oct, 7:42 AM

I just ran a prediction using the AVN model for 9:00 AM our time.
The predicted landing location is at range 39.7 miles and bearing
109 degrees. Not too far from John's earlier prediction. Perhaps
the variation in bearings will now settle down. So it sounds like
Bully Creek.

If the burst altitude is 5,000 feet higher, it moves the landing site 2
miles further down range. The bearing increases by one degree.

If burst is 5,000 feet lower, the range is reduced by two miles and
the bearing decreases by about 1.5 degrees.

I imagine (without looking at a map), that the change in bearing is
not significant. When we choose a launch site, we want to look at
the terrain in a four mile ellipse, centered on the predicted landing
site.

Paul

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4761. Re: [tvnsp] TV02G Prediction, 18 Oct, 7:42 AM

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-19 03:55:37 UTC
From: Mike Garske
Topic: 4742 Message: 4761
Attachments: 1 described; binary payloads are missing from this source WARC

Tim,

The launch location has been changed to Bully Creek Campground near Vale Oregon at 8:00am. We will be meeting at the Ontario Walmart tomorrow morning at 6:00am. Looks to be a landing South of Emmett we are shooting for.

Mike KC7DPD
www.tvnsp.org
----- Original Message -----
From: Tim Rynearson
To: tvnsp@yahoogroups.com
Sent: Friday, October 18, 2002 9:51 PM
Subject: Re: [tvnsp] TV02G Prediction, 18 Oct, 7:42 AM

My apologies for not being able to attend the meeting this evening, but I was on the road from Meridian to Ontario to Emmett during that time frame. What was decided on for a launch location ?

Tim

-------Original Message-------

From: tvnsp@yahoogroups.com
Date: Friday, October 18, 2002 07:12:52 AM
To: tvnsp@yahoogroups.com
Subject: [tvnsp] TV02G Prediction, 18 Oct, 7:42 AM

I just ran a prediction using the AVN model for 9:00 AM our time.
The predicted landing location is at range 39.7 miles and bearing
109 degrees. Not too far from John's earlier prediction. Perhaps
the variation in bearings will now settle down. So it sounds like
Bully Creek.

If the burst altitude is 5,000 feet higher, it moves the landing site 2
miles further down range. The bearing increases by one degree.

If burst is 5,000 feet lower, the range is reduced by two miles and
the bearing decreases by about 1.5 degrees.

I imagine (without looking at a map), that the change in bearing is
not significant. When we choose a launch site, we want to look at
the terrain in a four mile ellipse, centered on the predicted landing
site.

Paul

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.

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4762. Latest Prediction- Using 19 Oct, 00Z Winds

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-19 04:00:58 UTC
From: Mike Garske
Topic: 4762 Message: 4762

Using the latest winds, 95,000 burst altitude, 1200 Ascent/Decent I have the following:

31.3 Miles
Bearing 112.9 degrees
112 minute flight duration.

Anyone concur?

Also, can someone post the Bully Creek Campground GPS Location?

Mike KC7DPD

www.tvnsp.org

4763. RE: [tvnsp] Latest Prediction- Using 19 Oct, 00Z Winds

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-19 04:15:24 UTC
From: K7JPS - John
Topic: 4762 Message: 4763

I came up with 32.0 miles
116.6 degrees
119 minutes

using 1000/1200 burst at 90,000 so there doesn't appear to be a big difference with the accent rate or altitude change.

Bully Creek

N 44.0241 W 117.4008 Alt 2520

Using a modified ETA model for Bully Creek at 18 Oct 18Z +20 hours the data changed to:

40. 3 miles
96.6 degrees
120 minutes

This would put us down northwest of Emmett about 5 miles, but it is a whole lot better then bursting over Barber Park in Boise and landing in near Lucky Peak Reservoir

John the younger
K7JPS
-----Original Message-----
From: Mike Garske [mailto:kc7dpd@...]
Sent: Friday, October 18, 2002 22:01
To: tvnsp@yahoogroups.com
Subject: [tvnsp] Latest Prediction- Using 19 Oct, 00Z Winds

Using the latest winds, 95,000 burst altitude, 1200 Ascent/Decent I have the following:

31.3 Miles
Bearing 112.9 degrees
112 minute flight duration.

Anyone concur?

Also, can someone post the Bully Creek Campground GPS Location?

Mike KC7DPD

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4764. Re: [tvnsp] Latest Prediction- Using 19 Oct, 00Z Winds

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-19 04:18:34 UTC
From: DEBRA S FORMOLO
Topic: 4762 Message: 4764
Attachments: 2 described; binary payloads are missing from this source WARC

Using a 90,000 burst with info from Wyo website, I get 32.3 miles range and 116.3 degrees course. I made two maps of the two different launch sites. Hope this is close. 73's

Justin, KD7PIT

>From: "Mike Garske" <kc7dpd@...>
>Reply-To: tvnsp@yahoogroups.com
>To: <tvnsp@yahoogroups.com>
>Subject: [tvnsp] Latest Prediction- Using 19 Oct, 00Z Winds
>Date: Fri, 18 Oct 2002 22:00:58 -0600
>
>Using the latest winds, 95,000 burst altitude, 1200 Ascent/Decent I have
>the following:
>
>31.3 Miles
>Bearing 112.9 degrees
>112 minute flight duration.
>
>Anyone concur?
>
>Also, can someone post the Bully Creek Campground GPS Location?
>
>Mike KC7DPD
>
> www.tvnsp.org

_____
Get faster connections?-- switch to?MSN Internet Access!
http://resourcecenter.msn.com/access/plans/default.asp

4765. Re: [tvnsp] Latest Prediction- Using 19 Oct, 00Z Winds

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-19 04:29:21 UTC
From: John Knapp
Topic: 4762 Message: 4765

I got the same thing when launched from Bully Creek.
Haven't done anyother areas yet.

JohnK
KD7HGS
--- DEBRA S FORMOLO <J_Formolo@...> wrote:
> Using a 90,000 burst with info from Wyo website, I
> get 32.3 miles range and
> 116.3 degrees course. I made two maps of the two
> different launch sites.
> Hope this is close. 73's
>
> Justin, KD7PIT
>

_____
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4766. Re: [tvnsp] Weather Links For John the Elder

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-19 04:50:18 UTC
From: John Knapp
Topic: 4759 Message: 4766

Does anyone have Ed's email address so I can notify
him of the change of plans? Also the call sign of the
school?

JohnK
KD7HGS
--- Mike Garske <kc7dpd@...> wrote:
> Here ya go John, have fun.....!
>
> Mike KC7DPD
> www.tvnsp.org
>
>
> University of Wyoming
> http://weather.uwyo.edu/upperair/sounding.html
>
>
> Aviation Weather
> http://www.aviationweather.com/
>
> Unisys
> http://weather.unisys.com/
>
>

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4767. Re: [tvnsp] Latest Prediction- Using 19 Oct, 00Z Winds

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-19 04:56:50 UTC
From: Jeff Melanson
Topic: 4762 Message: 4767

Hi all,

I used 95,000 ft burst.

With current BOI data I get:
31 miles
113 degrees

With the ETA Model for 03Z data I get

33 miles
109 degrees.

This places the landing around exit 13.

Jeff

> K7JPS - John wrote:
>
> I came up with 32.0 miles
> 116.6 degrees
> 119 minutes
>
> using 1000/1200 burst at 90,000 so there doesn't appear to
> be a big difference with the accent rate or altitude
> change.
>
> Bully Creek
>
> N 44.0241 W 117.4008 Alt 2520
>
> Using a modified ETA model for Bully Creek at 18 Oct 18Z
> +20 hours the data changed to:
>
> 40. 3 miles
> 96.6 degrees
> 120 minutes
>
> This would put us down northwest of Emmett about 5 miles,
> but it is a whole lot better then bursting over Barber
> Park in Boise and landing in near Lucky Peak Reservoir
>
> John the younger
> K7JPS
> -----Original Message-----
> From: Mike Garske [mailto:kc7dpd@...]
> Sent: Friday, October 18, 2002 22:01

> To: tvnsp@yahoogroups.com
> Subject: [tvnsp] Latest Prediction- Using 19 Oct, 00Z
> Winds
>
> Using the latest winds, 95,000 burst altitude, 1200
> Ascent/Decent I have the following:
>
> 31.3 Miles
> Bearing 112.9 degrees
> 112 minute flight duration.
>
> Anyone concur?
>
> Also, can someone post the Bully Creek Campground GPS
> Location?
>
> Mike KC7DPD
>
> www.tvnsp.org
>
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4768. Re: [tvnsp] Weather Links For John the Elder

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-19 05:00:58 UTC
From: Jeff Melanson
Topic: 4759 Message: 4768

John the Elder (and therefore wiser),

My understanding is that John the Younger (and therefore ??)
is going to the school in the morning to inform Ed of the
change. We'll have to verify this.

Jeff

John Knapp wrote:
>
> Does anyone have Ed's email address so I can notify
> him of the change of plans? Also the call sign of the
> school?
>
> JohnK
> KD7HGS
> --- Mike Garske <kc7dpd@...> wrote:
> > Here ya go John, have fun.....!
> >
> > Mike KC7DPD
> > www.tvnsp.org
> >
> >
> > University of Wyoming
> > http://weather.uwyo.edu/upperair/sounding.html
> >
> >
> > Aviation Weather
> > http://www.aviationweather.com/
> >
> > Unisys
> > http://weather.unisys.com/
> >
> >
>
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4769. RE: [tvnsp] Weather Links For John the Elder

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-19 05:10:48 UTC
From: K7JPS - John
Topic: 4759 Message: 4769

Jeff, I replied to John the elder off-line but I will e-mail files to Ed and maybe John can walk him through. I will be at the launch.

John the younger
K7JPS

-----Original Message-----
From: Jeff Melanson [mailto:kd7inn@...]
Sent: Friday, October 18, 2002 23:01
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] Weather Links For John the Elder

John the Elder (and therefore wiser),

My understanding is that John the Younger (and therefore ??) is going to the school in the morning to inform Ed of the change. We'll have to verify this.

Jeff

John Knapp wrote:
>
> Does anyone have Ed's email address so I can notify
> him of the change of plans? Also the call sign of the
> school?
>
> JohnK
> KD7HGS
> --- Mike Garske <kc7dpd@...> wrote:
> > Here ya go John, have fun.....!
> >
> > Mike KC7DPD
> > www.tvnsp.org
> >
> >
> > University of Wyoming
> > http://weather.uwyo.edu/upperair/sounding.html
> >
> >
> > Aviation Weather
> > http://www.aviationweather.com/
> >
> > Unisys
> > http://weather.unisys.com/
> >
> >

>
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4770. Re: [tvnsp] Weather Links For John the Elder

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-19 05:16:10 UTC
From: Jeff Melanson
Topic: 4759 Message: 4770

Okay,

I'm off to bed. See you all in the morning.

Jeff

K7JPS - John wrote:
>
> Jeff, I replied to John the elder off-line but I will e-mail files to Ed and
> maybe John can walk him through. I will be at the launch.
>
> John the younger
> K7JPS
>
> -----Original Message-----
> From: Jeff Melanson [mailto:kd7inn@...]
> Sent: Friday, October 18, 2002 23:01
> To: tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] Weather Links For John the Elder
>
> John the Elder (and therefore wiser),
>
> My understanding is that John the Younger (and therefore ??)
> is going to the school in the morning to inform Ed of the
> change. We'll have to verify this.
>
> Jeff
>
> John Knapp wrote:
> >
> > Does anyone have Ed's email address so I can notify
> > him of the change of plans? Also the call sign of the
> > school?
> >
> > JohnK
> > KD7HGS
> > --- Mike Garske <kc7dpd@...> wrote:
> > > Here ya go John, have fun.....!
> > >
> > > Mike KC7DPD
> > > www.tvnsp.org
> > >
> > >
> > > University of Wyoming
> > > http://weather.uwyo.edu/upperair/sounding.html
> > >

> > >
> > > Aviation Weather
> > > http://www.aviationweather.com/
> > >
> > > Unisys
> > > http://weather.unisys.com/
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>
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4771. Re: [tvnsp] Latest Prediction- Using 19 Oct, 00Z Winds

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-19 14:01:00 UTC
From: Harry M
Topic: 4762 Message: 4771

Where are the current mission stats on the web? I don't find them on the TVNSP Home Page!

Good luck on today's flight!

Harry

4772. Let's Make Some MONEY!

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-19 14:08:53 UTC
From: Mike Garske
Topic: 4772 Message: 4772

I am going to build a section on the Website for classifieds in which donations can be advertised for sale. The money will be sent to VOI, but will be placed in the TVNSP account. If you have anything you would like to donate for our good cause, send an ad to me, exactly as you would like it to be placed and it will be put on the website at the soonest possible time. I would also like to create a Humor website for those who feel they have a laugh or two to share, please do so! And also, we are trying to come up with ways to make money. If you have any ideas, please share those as well. Thanks for your eyes and ears...

Dun Gone WebDezign Industries
Mike and Andee
KC7DPD, KD7RGF
www.tvnsp.org

4773. Classifieds

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-19 14:51:54 UTC
From: Mike Garske
Topic: 4773 Message: 4773

http://www.tvnsp.org/classifieds.htm

Help get this started!

www.tvnsp.org

4774. TVNSP is aloft

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-19 14:58:43 UTC
From: Mark Conner
Topic: 4774 Message: 4774

Launch was at about 1454 UTC. Initial ascent rate looks to be about 900 fpm.

- Mark

4775. TVNSP tops 100,000feet

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-19 16:25:23 UTC
From: Doug Eubanks
Topic: 4775 Message: 4775

100,000 feet and still climbing.
Hate to say it, but it appears to be looking for a
tree....

Doug

4776. Re: [tvnsp] TVNSP tops 100,000feet

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-19 16:27:34 UTC
From: Harry M
Topic: 4775 Message: 4776

What's the call of TVNSP?

4777. RE: [tvnsp] TVNSP tops 100,000feet

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-19 16:28:45 UTC
From: Doug Eubanks
Topic: 4775 Message: 4777

KD4STH-11, the balloon burst above 101,000 feet
and is now at about 78000 on it's way down.
-----Original Message-----
From: Harry M [mailto:harrymue@...]
Sent: Saturday, October 19, 2002 11:28 AM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] TVNSP tops 100,000feet

What's the call of TVNSP?

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4778. Well.....

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-19 17:06:36 UTC
From: Doug Eubanks
Topic: 4778 Message: 4778

Well, looks like they missed the trees, but by the
maps I have
sure hope they packed a mountain goat!

Doug

4779. 02G landing spot and local topography

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-19 21:22:04 UTC
From: Hank
Topic: 4779 Message: 4779

02G appears to have landed near Dyes Gulch just east of the Sweet-Ola Highway on the slope of Squaw Butte.

It is about 1.4 miles east of the road and about 700 feet above the road elevation; the valley road is around 2600 feet.

This could have been much worse since 02G just missed the very high ground of the butte at 5900 feet. The landing spot can be reached by both a trail and a powerline from the road.

Topo map graphics being prepared.

Hank

4780. TV02G Data

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-19 21:33:38 UTC
From: Tim Rynearson
Topic: 4780 Message: 4780
Attachments: 2 described; binary payloads are missing from this source WARC

Here's the data of the TV02G (KD4STH-11) flight as seen from my home station in Emmett.

Tim, N7UBO

4781. 02G topo map: closeup view

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-19 21:56:38 UTC
From: Hank Riley
Topic: 4781 Message: 4781
Attachments: 1 described; binary payloads are missing from this source WARC

The trail is in red.

Hank

_____
Surf the Web without missing calls!?Get MSN Broadband.
http://resourcecenter.msn.com/access/plans/freeactivation.asp

4782. TV02G Coordinates

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-19 22:07:11 UTC
From: Tim Rynearson
Topic: 4782 Message: 4782
Attachments: 1 described; binary payloads are missing from this source WARC

I'm curious to know what the difference in coordinates is from the last APRS reported to the actual recorded by the chase crew.

Tim, N7UBO

4783. Re: [tvnsp] TV02G Data

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-19 22:31:55 UTC
From: Mike Garske
Topic: 4780 Message: 4783
Attachments: 1 described; binary payloads are missing from this source WARC

Thanks Tim......great chasing with ya! Hope we get to fly from Emmett soon! Check out the website, there is a couple pics posted on the main page already......

Mike KC7DPD
www.tvnsp.org
----- Original Message -----
From: Tim Rynearson
To: tvnsp@yahoogroups.com
Sent: Saturday, October 19, 2002 3:33 PM
Subject: [tvnsp] TV02G Data

Here's the data of the TV02G (KD4STH-11) flight as seen from my home station in Emmett.

Tim, N7UBO

_____
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4784. Re: [tvnsp] TV02G Data

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-19 22:42:58 UTC
From: Tim Rynearson
Topic: 4780 Message: 4784
Attachments: 1 described; binary payloads are missing from this source WARC

Mike,
I think it'd be a cool idea to give credit for the "Sheep Happens" to
Debbie Metler on the web page.

Tim

-------Original Message-------

From: tvnsp@yahoogroups.com
Date: Saturday, October 19, 2002 03:54:17 PM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] TV02G Data

Thanks Tim......great chasing with ya! Hope we get to fly from Emmett soon!
Check out the website, there is a couple pics posted on the main page
already......

Mike KC7DPD
www.tvnsp.org
----- Original Message -----
From: Tim Rynearson
To: tvnsp@yahoogroups.com
Sent: Saturday, October 19, 2002 3:33 PM
Subject: [tvnsp] TV02G Data

Here's the data of the TV02G (KD4STH-11) flight as seen from my home station
in Emmett.

Tim, N7UBO

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4785. Re: [tvnsp] TV02G Data

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-19 23:03:08 UTC
From: Tim Rynearson
Topic: 4780 Message: 4785
Attachments: 1 described; binary payloads are missing from this source WARC

oops.....it's spelled METTLER.....

Tim

-------Original Message-------

From: tvnsp@yahoogroups.com
Date: Saturday, October 19, 2002 04:06:20 PM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] TV02G Data

Mike,
I think it'd be a cool idea to give credit for the "Sheep Happens" to
Debbie Metler on the web page.

Tim

-------Original Message-------

From: tvnsp@yahoogroups.com
Date: Saturday, October 19, 2002 03:54:17 PM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] TV02G Data

Thanks Tim......great chasing with ya! Hope we get to fly from Emmett soon!
Check out the website, there is a couple pics posted on the main page
already......

Mike KC7DPD
www.tvnsp.org
----- Original Message -----
From: Tim Rynearson
To: tvnsp@yahoogroups.com
Sent: Saturday, October 19, 2002 3:33 PM
Subject: [tvnsp] TV02G Data

Here's the data of the TV02G (KD4STH-11) flight as seen from my home station
in Emmett.

Tim, N7UBO

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4786. Re: [tvnsp] TV02G Data

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-20 00:21:19 UTC
From: Mike Garske
Topic: 4780 Message: 4786
Attachments: 1 described; binary payloads are missing from this source WARC

Done!

Mike KC7DPD
www.tvnsp.org
----- Original Message -----
From: Tim Rynearson
To: tvnsp@yahoogroups.com
Sent: Saturday, October 19, 2002 5:03 PM
Subject: Re: [tvnsp] TV02G Data

oops.....it's spelled METTLER.....

Tim

-------Original Message-------

From: tvnsp@yahoogroups.com
Date: Saturday, October 19, 2002 04:06:20 PM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] TV02G Data

Mike,
I think it'd be a cool idea to give credit for the "Sheep Happens" to Debbie Metler on the web page.

Tim

-------Original Message-------

From: tvnsp@yahoogroups.com
Date: Saturday, October 19, 2002 03:54:17 PM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] TV02G Data

Thanks Tim......great chasing with ya! Hope we get to fly from Emmett soon! Check out the website, there is a couple pics posted on the main page already......

Mike KC7DPD
www.tvnsp.org
----- Original Message -----
From: Tim Rynearson
To: tvnsp@yahoogroups.com
Sent: Saturday, October 19, 2002 3:33 PM
Subject: [tvnsp] TV02G Data

Here's the data of the TV02G (KD4STH-11) flight as seen from my home station in Emmett.

Tim, N7UBO

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4787. Re: [tvnsp] TV02G Data

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-20 01:14:24 UTC
From: Adam
Topic: 4780 Message: 4787
Attachments: 1 described; binary payloads are missing from this source WARC

Are you going to post the inflight photos?

Thanks
Adam
----- Original Message -----
From: Mike Garske
To: tvnsp@yahoogroups.com
Sent: Saturday, October 19, 2002 5:31 PM
Subject: Re: [tvnsp] TV02G Data

Thanks Tim......great chasing with ya! Hope we get to fly from Emmett soon! Check out the website, there is a couple pics posted on the main page already......

Mike KC7DPD
www.tvnsp.org
----- Original Message -----
From: Tim Rynearson
To: tvnsp@yahoogroups.com
Sent: Saturday, October 19, 2002 3:33 PM
Subject: [tvnsp] TV02G Data

Here's the data of the TV02G (KD4STH-11) flight as seen from my home station in Emmett.

Tim, N7UBO

_____
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4788. Re: [tvnsp] TV02G Data

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-20 01:37:01 UTC
From: Jeff Melanson
Topic: 4780 Message: 4788

Adam,

The last I heard was that the camera did not take picture's
or maybe just one picture. Paul is investigating the cause.
Paul plans on flying this payload again.

Jeff
KD7INN

4789. Re: 02G landing spot and local topography

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-20 01:52:05 UTC
From: Hank
Topic: 4779 Message: 4789

> 02G appears to have landed near Dyes Gulch just east
> of the Sweet-Ola Highway on the slope of Squaw
> Butte.
>
> It is about 1.4 miles east of the road

WEST of the road and on the east slope of the butte.

4790. Actual 02G landing compared to predictions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-20 02:07:15 UTC
From: Hank
Topic: 4790 Message: 4790

It's interesting to see all the late Friday predictions
and compare them to what really happened.

Here are the posted predictions:

31.3 miles
112.9 degrees

32
116.6

40.3
96.6

32.3
116.3

31
113

33
109

The actual course was approximately 52 miles at
91 degrees.

Had this course been followed with a launch from Vallivue HS
(it would have been similar but not identical), the payload
would have landed about 5 miles east of Grape Mountain which
in turn is just east of Arrow Rock Reservoir in the Boise
National Forest. This is the Little Rattlesnake Creek area
with elevations ranging from 4500 to 6000 feet.

Hank

4791. TV02G Flight Statistics.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-20 02:16:18 UTC
From: Jeff Melanson
Topic: 4791 Message: 4791

TVNSP,

We need to get the statistics posted for all to study. Hank needs the information so he can study the balloon performance.

John the Younger,

What was the Nozzle Lift that you recorded, and other vitals such as payload weight.

We also need ascent speed/descent speed, etc.

Jeff
KD7INN

4792. Kaysam balloon weight.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-20 02:19:06 UTC
From: Jeff Melanson
Topic: 4792 Message: 4792

One difference between Kaysam and Kaymont balloons is the plastic ring in the Kaysam balloon where the two peices are joined together. Does the weight of the Kaysam ballon include the ring?

Jeff
KD7INN

4793. Re: [tvnsp] Actual 02G landing compared to predictions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-20 02:23:07 UTC
From: Jeff Melanson
Topic: 4790 Message: 4793

Was this difference due to weather predictions not matching
the actual weather conditions at launch or due to balloon
performance being different that expected or both?

Jeff
KD7INN

Hank wrote:
>
> It's interesting to see all the late Friday predictions
> and compare them to what really happened.
>
> Here are the posted predictions:
>
> 31.3 miles
> 112.9 degrees
>
> 32
> 116.6
>
> 40.3
> 96.6
>
> 32.3
> 116.3
>
> 31
> 113
>
> 33
> 109
>
> The actual course was approximately 52 miles at
> 91 degrees.
>
> Had this course been followed with a launch from Vallivue HS
> (it would have been similar but not identical), the payload
> would have landed about 5 miles east of Grape Mountain which
> in turn is just east of Arrow Rock Reservoir in the Boise
> National Forest. This is the Little Rattlesnake Creek area
> with elevations ranging from 4500 to 6000 feet.
>
> Hank
>
>

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4794. Re: [tvnsp] Kaysam balloon weight.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-20 02:40:23 UTC
From: Mike Garske
Topic: 4792 Message: 4794

Jeff, actually it is a cardboard ring on the inside of the balloon.......

Mike KC7DPD
www.tvnsp.org
----- Original Message -----
From: "Jeff Melanson" <kd7inn@...>
To: <tvnsp@yahoogroups.com>
Sent: Saturday, October 19, 2002 8:19 PM
Subject: [tvnsp] Kaysam balloon weight.

> One difference between Kaysam and Kaymont balloons is the
> plastic ring in the Kaysam balloon where the two peices are
> joined together. Does the weight of the Kaysam ballon
> include the ring?
>
> Jeff
> KD7INN
>
>
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>
>

4795. Re: Actual 02G landing compared to predictions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-20 02:52:02 UTC
From: Hank
Topic: 4790 Message: 4795

> Was this difference due to weather predictions not matching
> the actual weather conditions at launch or due to balloon
> performance being different that expected or both?
>
> Jeff

Jeff,

I haven't gone over everything in detail, but there is both
a weather gap and a balloon gap. The balloon rose a little
higher than the figures I saw being used Friday
(90k and 95k feet) and might have also climbed a bit more
slowly, both of which facts would have caused a longer
track.

The angle was more north than predicted by a good amount,
and that was no doubt due to the winds being more southerly.

I feel that these predicted landing spots need to be
surrounded by at least a 15 mile diameter circle, even
better a 20 mile circle to really capture all the terrain
into which the payload may eventually fall.

Hank

4796. Re: Kaysam balloon weight.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-20 02:53:54 UTC
From: Hank
Topic: 4792 Message: 4796

>Does the weight of the Kaysam ballon include the ring?

Yes

4797. Re: [tvnsp] Re: Actual 02G landing compared to predictions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-20 02:58:04 UTC
From: Jeff Melanson
Topic: 4790 Message: 4797

Hank,

I also noticed that the balloon appeared to flatten out as
it rose upward. Much flatter that Kaysam balloons. I note
this because I would think that this flatter shape must
affect the ascent rate. Something to think about.

Did someone get a picture of it as it was rising?

Jeff

Hank wrote:
>
> > Was this difference due to weather predictions not matching
> > the actual weather conditions at launch or due to balloon
> > performance being different that expected or both?
> >
> > Jeff
>
> Jeff,
>
> I haven't gone over everything in detail, but there is both
> a weather gap and a balloon gap. The balloon rose a little
> higher than the figures I saw being used Friday
> (90k and 95k feet) and might have also climbed a bit more
> slowly, both of which facts would have caused a longer
> track.
>
> The angle was more north than predicted by a good amount,
> and that was no doubt due to the winds being more southerly.
>
> I feel that these predicted landing spots need to be
> surrounded by at least a 15 mile diameter circle, even
> better a 20 mile circle to really capture all the terrain
> into which the payload may eventually fall.
>
> Hank
>
>
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4798. Re: [tvnsp] Re: Actual 02G landing compared to predictions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-20 03:09:45 UTC
From: Jeff Melanson
Topic: 4790 Message: 4798

Hank wrote:
>
> I feel that these predicted landing spots need to be
> surrounded by at least a 15 mile diameter circle, even
> better a 20 mile circle to really capture all the terrain
> into which the payload may eventually fall.

A 20 mile diameter circle is a 10 mile radius. Looking at
the predictions verses the landing spot we exceeded that.

When we ran the predictions from Valley View High School the
landing spot put us near high voltage power lines so we
moved the launch to be safe. Hmmm... We ended up near
another set!

Jeff

4799. RE: [tvnsp] TV02G Flight Statistics.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-20 03:34:46 UTC
From: K7JPS - John
Topic: 4791 Message: 4799

Here are the stats that were reported at launch:

Lat: 44.02434
Lon: -117.40090
Alt: 2550'
Dry Bulb: 41 deg F
Wet Bulb: 34 deg F
Launch time: 19 Oct 02 14:53:32 UTC (8:53:32 MDT)

Payloads 10.6 lb
Recovery system 1.0 lb

Balloon Nozzle Lift 16.3 lb

I don't have a flight log, but to calculate the ascent speed I need the burst altitude and time and find the difference with launch altitude and time. The closest we can get for decent rate is to calculate the change in the last two reported altitude packets.

The serial numbers and locations of the thermochrons was:
SN 01E4F - Galileo II, exterior of servo battery box
SN 1216D - Copernicus II, interior of unused battery box

John
K7JPS

-----Original Message-----
From: Jeff Melanson [mailto:kd7inn@...]
Sent: Saturday, October 19, 2002 20:16
To: tvnsp@yahoogroups.com
Subject: [tvnsp] TV02G Flight Statistics.

TVNSP,

We need to get the statistics posted for all to study. Hank needs the information so he can study the balloon performance.

John the Younger,

What was the Nozzle Lift that you recorded, and other vitals such as payload weight.

We also need ascent speed/descent speed, etc.

Jeff
KD7INN

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4800. Re: [tvnsp] Re: Actual 02G landing compared to predictions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-20 14:45:46 UTC
From: Zack Clobes
Topic: 4790 Message: 4800

I think I've flown and watched enough flights now that I can safely say that using the current methods, there is no accurate way to consistently predict a landing point within a couple of miles. When the winds are stable, and you actually get the correct amount of He in a balloon, yes, the prediction is within a mile or two, but how often does that happen? It's happened once for us...

I think that at least part of the answer is right under your nose - the cutdown device. You guys have said it yourselves, you need to be able to prematurely terminate an ascent in the case of underinflation, over altitude, excessive winds, (tree limbs), etc. However, I think that is only half of the battle - the other half is knowing what is happening in real time.

By that I mean that you need to be running predictions constantly throughout the ascent and descent to account for variations and errors in the prediction as well as ascent rates that are outside of the norm. I think that Balloon Track is capable of doing such calculations, but it would take a lot of hand work since I think that we should be taking the recorded wind speeds that the GPS is reporting and build them into the winds aloft data. By using actual winds as well as constantly updating the starting lat/lon/alt parameters, you could fake Balloon Track into running predictions throughout the ascent. Descent gets a little more tricky with this software.

Personally, I've been working the past couple of months on incorporating the prediction algorithms into our tracking software so I have an up-to-the-second prediction throughout the flight. So far it's not even to beta code, but initial tests are very encouraging. I was able to predict Mark's last balloon down to within a mile or so of touchdown. Hopefully it will be in beta mode by next flying season.

I believe that live predictions, coupled with a remotely controllable cutdown device would give balloon pilots the capability to forecast landing spots continually throughout the flight and activate a cutdown device in the event that an actual landing spot would put the capsule or the inhabitants into harms way.

Zack Clobes, W0ZC
Project: Traveler
www.rckara.org/

----- Original Message -----
From: "Jeff Melanson" <kd7inn@...>
To: <tvnsp@yahoogroups.com>
Sent: Saturday, October 19, 2002 10:09 PM

Subject: Re: [tvnsp] Re: Actual 02G landing compared to predictions

>
>
> Hank wrote:
> >
> > I feel that these predicted landing spots need to be
> > surrounded by at least a 15 mile diameter circle, even
> > better a 20 mile circle to really capture all the terrain
> > into which the payload may eventually fall.
>
> A 20 mile diameter circle is a 10 mile radius. Looking at
> the predictions verses the landing spot we exceeded that.
>
> When we ran the predictions from Valley View High School the
> landing spot put us near high voltage power lines so we
> moved the launch to be safe. Hmmm... We ended up near
> another set!
>
> Jeff
>
>
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4801. Re: [tvnsp] Re: Actual 02G landing compared to predictions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-20 17:07:37 UTC
From: Randy Farley
Topic: 4790 Message: 4801

Zack Clobes wrote:

> I think that at least part of the answer is right under your nose - the
> cutdown device. You guys have said it yourselves, you need to be able to
> prematurely terminate an ascent in the case of underinflation, over
> altitude, excessive winds, (tree limbs), etc.

I agree on the cutdown device 100% Zack.

By that I mean that you need to be running predictions constantly
throughout
> the ascent and descent to account for variations and errors in the
> prediction as well as ascent rates that are outside of the norm. I think
> that Balloon Track is capable of doing such calculations, but it would take
> a lot of hand work since I think that we should be taking the recorded wind
> speeds that the GPS is reporting and build them into the winds aloft data.
> By using actual winds as well as constantly updating the starting
> lat/lon/alt parameters, you could fake Balloon Track into running
> predictions throughout the ascent. Descent gets a little more tricky with
> this software.

We have been talking about this feature in Balloon Track,but no one
has
had time to work with the feature. Are you talking about the 'Packet
Data"
tab in Balloon Track? I was wondering if anyone has actually used it.
>
> Personally, I've been working the past couple of months on incorporating the
> prediction algorithms into our tracking software so I have an
> up-to-the-second prediction throughout the flight. So far it's not even to
> beta code, but initial tests are very encouraging. I was able to predict
> Mark's last balloon down to within a mile or so of touchdown. Hopefully it
> will be in beta mode by next flying season.

Look forward to seeing your work on this. This would be another great
tool
for the balloon groups.
>
> I believe that live predictions, coupled with a remotely controllable
> cutdown device would give balloon pilots the capability to forecast landing
> spots continually throughout the flight and activate a cutdown device in the
> event that an actual landing spot would put the capsule or the inhabitants
> into harms way.

I think you have all the right ideas from what i have observed chasing
balloons.

Predictions are ok,but real time data is better. And a bail out system
is
always a good idea. Only thing better that i can think of is remote
controlling the
direction of flight on descent with a para foil type chute. Minds in
our group have been
toying with this idea.
>
> Zack Clobes, W0ZC
> Project: Traveler
> www.rckara.org/
>
> ----- Original Message -----
> From: "Jeff Melanson" <kd7inn@...>
> To: <tvnsp@yahoogroups.com>
> Sent: Saturday, October 19, 2002 10:09 PM
> Subject: Re: [tvnsp] Re: Actual 02G landing compared to predictions
>
> >
> >
> > Hank wrote:
> > >
> > > I feel that these predicted landing spots need to be
> > > surrounded by at least a 15 mile diameter circle, even
> > > better a 20 mile circle to really capture all the terrain
> > > into which the payload may eventually fall.
> >
> > A 20 mile diameter circle is a 10 mile radius. Looking at
> > the predictions verses the landing spot we exceeded that.
> >
> > When we ran the predictions from Valley View High School the
> > landing spot put us near high voltage power lines so we
> > moved the launch to be safe. Hmmm... We ended up near
> > another set!
> >
> > Jeff
> >
> >
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--
Regards,

Randy Farley
N7GPS -Ham Call-
My QTH at: http://map.findu.com/n7gps
Find Me Mobile at: http://map.findu.com/n7gps-9

4802. Atmospheric quirk appears to explain inaccurate 02G predictions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-20 18:45:14 UTC
From: Hank
Topic: 4802 Message: 4802

I always go over the actual vs. predicted performance to see where the errors came from with the view of maybe minimizing those errors on subsequent flights.

It's pretty much the same thing every time where a combination of small wind errors (either predicted winds or actual soundings) and the balloon burst height error explain any discrepancy.

In the case of 02G there is a very interesting effect which may well have played an unusually significant part. Normally the fact that the predicted wind models' data do not go much higher than 65,000 feet is not a large detriment since the winds above jetstream level (~ 35k feet) usually diminish significantly in speed.

This was definitely not the situation yesterday over Idaho nor is it today. The winds Saturday at 100k feet were at 70 mph and were climbing even higher a few thousand feet up!

Using the full Boise sounding for Saturday and the actual burst height of 103k feet, BT gives a range of 52 miles and bearing of 96 degrees (actual 52 miles and 91 degrees). So this is a heck of a lot better and shows that a *complete* wind data set up to 103k feet was necessary to describe 02G's behavior.

Recall that the late Friday predictions clustered around 31 miles and 113 degrees, except for one:

Using a modified ETA model for Bully Creek at
18 Oct 18Z +20 hours the data changed to:

40. 3 miles
96.6 degrees
120 minutes

John the younger
K7JPS

My guess is that John modified the ETA to include the upper winds actually measured on Friday for Boise above 65k feet and spliced them onto the incomplete ETA Saturday forecast winds for a composite. All John was missing was the higher than expected 103k burst to lengthen the range and score a bullseye with his prediction.

Hank

4803. Re: [tvnsp] Atmospheric quirk appears to explain inaccurate 02G predictions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-20 19:12:30 UTC
From: Mark Conner
Topic: 4802 Message: 4803

In situations where strong winds exist above 60kft, I patch a current sounding for data >60kft onto a forecast below 60kft. Even when model data is available above 60kft, I find it to be of questionable value.

This approach has to be used with caution, however. While in mid-summer and mid-winter the stratosphere is slow (takes days) to change, there is a transition period in the spring and fall where the wind can change 180 degrees back and forth in a day or two. This plays havoc with making accurate predictions if the balloon spends a lot of time above 60kft.

Generally, I limit making flight profile changes to the avoiding unfavorable landing areas that are more than about a square mile. During the last NSTAR launch, our range of likely ascent rates and burst altitudes clustered the landings within a couple of miles of Red Oak, IA (built-up area about a square mile). Until the wind forecast changed, I considered a balloon size and ascent rate change to push the landing a more comfortable distance away. But for smaller towns or targets, I don't usually bother as there are too many uncontrollable variables that would push the landing left/right/far/near the quarter-mile needed to avoid (or cause) the problem, and the overall area has so many little targets you can't plan to set down in an area clear of them.

73 de Mark N9XTN
----- Original Message -----
From: Hank
To: tvnsp@yahoogroups.com
Sent: Sunday, October 20, 2002 13:45
Subject: [tvnsp] Atmospheric quirk appears to explain inaccurate 02G predictions

Using the full Boise sounding for Saturday and the actual burst
height of 103k feet, BT gives a range of 52 miles and bearing
of 96 degrees (actual 52 miles and 91 degrees). So this is a
heck of a lot better and shows that a *complete* wind data set
up to 103k feet was necessary to describe 02G's behavior.

4804. one payload, multiple frequencies

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-20 21:58:34 UTC
From: K. Mark Caviezel
Topic: 4804 Message: 4804

Regarding:
>to have the MIM or TT use a second radio. I know
>of no way to get
>the HT to use a seperate frequency for APRS and
>CW.
>
>Paul

>>> my thought on this is to use a radio such as a yaesu VX1 which can be programmed or 'cloned' presumably by serial input. Is there a limitation on how many times the radio could be reprogrammed ? For a lot of EEPROMs it's in the tens of thousands of re-program cycles, compatible with near-space flight activities. The idea is to "just" set up your payload electronics to program the radio for the desired frequency before it transmits. Ok, I'll admit this is quite a bit beyond my ham-handed abilities now, but exploring this concept is somewhere way down on my to do list. I have heard that the VX1 'cloning' format is proprietary, but it seems that somewhere out there there must be an HT that has open source programming. Now all we need is a 'super-ham' to dig into this project. I'm sure the AMSAT crowd would be interested in this capability, too.

- KMC

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4805. Re: [tvnsp] Atmospheric quirk appears to explain inaccurate 02G predictions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-20 22:32:15 UTC
From: John Knapp
Topic: 4802 Message: 4805

One of the things I noticed during the past week was the change during the week for the predictions for Saturday. This was telling me the air mass above us was getting unstable, a thought which was echoed one night on the local weather news. The weather guy indicated the high pressure dome over us was breaking down. Every day I did a prediction, the wind direction slowly shifted to the north and the range from balloon track was a little longer. On Friday night we noticed the winds aloft kept increasing with height, not decreasing as they normally do.

Apparently on Saturday morning the change became more severe. I am glad we decided at the last moment to launch from Bully Creek. If we had gone from Vallivue High School, we could have had some real issues.

The type of terrain we have here does not help with the prediction. But if we had realized the balloon would burst higher than anticipated then we would have done things a little different. That makes two launches in a row where we have deliberately overfilled balloons and still have them burst higher than anticipated. Luckily, this flight landed in a good retrevial terrain.

My 2 cents worth.

John Knapp
KD7HGS

_____
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4806. Re: [tvnsp] one payload, multiple frequencies

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-21 04:56:53 UTC
From: Bill Herrmann
Topic: 4804 Message: 4806

At 02:58 PM 10/20/02 -0700, you wrote:
> >>> my thought on this is to use a radio such as a
>yaesu VX1 which can be programmed or 'cloned'
>presumably by serial input.

I don't have a VX1, but I presume it programs in much the same way as the FT50 since the same programming software works for both as I recall. Unfortunately, that radio (and the other Yaesu's I'm familiar with) require you to manually put the radio into cloning mode.

The only radios that I'm aware of that support external software control of their settings are the Kenwoods. I don't know, but I suspect that it's only the APRS capable radios that support that and it may only be the D700 mobile.

While you could hack button presses on another radio to get it to a given frequency or memory it's pretty tough to guarantee that you wound up where you think you did.

Bill

4807. Photos for website from past missions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-21 06:02:05 UTC
From: Mike Garske
Topic: 4807 Message: 4807

To those who have sent photos to be posted to the page, I have been out of order for awhile and am now ready to get those pics up. Please remind me if you have sent something that didn't get put aside. I think Randy had sent some. (Our puter crashed just after you sent those pics and we had to reformat.) I know Justin did. (I have yours, for sure.)
Anybody else who sent some and want them posted, get back with me, please. Thank you.

Andee
www.tvnsp.org

4808. (Fwd) Re: Visit to Moscow

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-21 14:16:26 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4808 Message: 4808

This from Moscow.

That may work - we could drive to Ellensburg (about 4 hours from here and the location of Central Washington University). Then we might be able to recover a bit closer to Moscow. Paul has some Washington colleagues that he has asked to participate, so they may have some ideas too.

==========

Is anyone familair with this area? Does anyone have a topo map of this area?

Paul

4809. Re: [tvnsp] 02G landing spot and local topography

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-21 14:21:39 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4779 Message: 4809

> This could have been much worse since 02G just
> missed the very high ground of the butte
> at 5900 feet.

Could have been worse?!?!

Usually people say, "congratulations on another sucessful flight".

Even my rabbits said congrats on the flight.

By the way, the butte is Squaw Butte. There are several radio towers on it. It's got with roads to the top.

Paul "Chalk up another 100k" Verhage

4810. Re: [tvnsp] Kaysam balloon weight.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-21 14:28:14 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4792 Message: 4810

I would assume, but I don't know. I'll order another 1500 gram
balloon next week and ask.

Paul

> One difference between Kaysam and Kaymont balloons is the
> plastic ring in the Kaysam balloon where the two peices are
> joined together. Does the weight of the Kaysam ballon
> include the ring?
>
> Jeff
> KD7INN
>
>
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>
>
>
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>
>

4811. RE: [tvnsp] TV02G Flight Statistics.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-21 14:35:04 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4791 Message: 4811

> I don't have a flight log, but to calculate the ascent speed I need the
> burst altitude and time and find the difference with launch altitude and
> time. The closest we can get for decent rate is to calculate the change in
> the last two reported altitude packets.

I haven't completed work on organizing the log, but right now it
looks like at ascent speed speed was 1000 ft/min until the last 20
to 30 minutes, when it rose to 1200 ft/min.

Using an average of 1050 to 1100 ft/min should be about right.

Everyone bring a diskette to launch and we'll get you a copy of the
log at lunch. Two things are slowing my log crunching down. One,
I'm writing directions about how to process an APRS log for my
book as I go along (I'll email those notes to the list, probably
tomorrow). Second, I'm trying to finish up an article for Artemis
magazine (I plan to email a copy to the group today, if teaching
doesn't get in the way).

Paul

4812. Re: Flight Code

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-21 14:38:09 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4812 Message: 4812

> Paul, one thing that I noticed when reviewing the flight log that was posted
> is that your cycle never updated, it always said r-1. So I'm wondering if
> it never exited a loop, or if the counter was never incremented to allow it
> to get to the next routine.

I powered up the capsule last night and it seemed to operate
properly. I want to look at my altitude routines and see if the
capsule got caught in a descent loop. Initially the capsule started
a countdown (the T-10 text). Later it rotated the camera down and
started taking photos (which is what it does on descent). It never
sent data to the TNC, which is why the 4th LT buffer was never
updated.

> I also have the chute that I need to get back to you before the next launch.

And I remember that Randy has my drinking bottle.

Paul

4813. Net Control

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-21 14:41:04 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4813 Message: 4813

Another position would be a net control for the chase, or any onboard
> repeaters we may carry. If we run a mission control it would be best to have
> this person located there so that we utilize mission control for it's
> intended purpose.

I'd like to add that only one person be net control. I only want one
person giving us directions. It's fine to have several people working
together on this, but one person needs to be the spokeperson.

Paul

4814. Re: [tvnsp] one payload, multiple frequencies

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-21 14:47:48 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4804 Message: 4814

I like the idea. I use the DJ-S11 because of its cost.

Paul

> >>> my thought on this is to use a radio such as a
> yaesu VX1 which can be programmed or 'cloned'
> presumably by serial input. Is there a limitation on
> how many times the radio could be reprogrammed ? For
> a lot of EEPROMs it's in the tens of thousands of
> re-program cycles, compatible with near-space flight
> activities. The idea is to "just" set up your
> payload electronics to program the radio for the
> desired frequency before it transmits. Ok, I'll
> admit this is quite a bit beyond my ham-handed
> abilities now, but exploring this concept is somewhere
> way down on my to do list. I have heard that the VX1
> 'cloning' format is proprietary, but it seems that
> somewhere out there there must be an HT that has open
> source programming. Now all we need is a 'super-ham'
> to dig into this project. I'm sure the AMSAT crowd
> would be interested in this capability, too.
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> - KMC
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4815. Re: [tvnsp] Re: Flight Code

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-21 13:53:56 UTC
From: Harry M
Topic: 4812 Message: 4815

Does it have a black label and a mule on it? HeeHeeHee!!!

Harry

>
> And I remember that Randy has my drinking bottle.
>
> Paul
>

4816. Re: [tvnsp] one payload, multiple frequencies

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-21 13:56:40 UTC
From: Harry M
Topic: 4804 Message: 4816

Could you wire the flight controller to the vfo button and have it switch between vfo's to change freq?

Harry

----- Original Message -----
From: <verhap@...>
To: <tvnsp@yahoogroups.com>
Sent: Monday, October 21, 2002 9:47 AM
Subject: Re: [tvnsp] one payload, multiple frequencies

> I like the idea. I use the DJ-S11 because of its cost.
>
> Paul
>
> > >>> my thought on this is to use a radio such as a
> > yaesu VX1 which can be programmed or 'cloned'
> > presumably by serial input. Is there a limitation on
> > how many times the radio could be reprogrammed ? For
> > a lot of EEPROMs it's in the tens of thousands of
> > re-program cycles, compatible with near-space flight
> > activities. The idea is to "just" set up your
> > payload electronics to program the radio for the
> > desired frequency before it transmits. Ok, I'll
> > admit this is quite a bit beyond my ham-handed
> > abilities now, but exploring this concept is somewhere
> > way down on my to do list. I have heard that the VX1
> > 'cloning' format is proprietary, but it seems that
> > somewhere out there there must be an HT that has open
> > source programming. Now all we need is a 'super-ham'
> > to dig into this project. I'm sure the AMSAT crowd
> > would be interested in this capability, too.
> >
> > - KMC
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> > _____
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4817. Flight Records

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-21 15:08:41 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4817 Message: 4817

None of the graphics sent out (except for Hank's map) are imagine for me to llok at. I see just a small red envelope.

Also, who has the highest altitude recorded? Can you send the GPS sentence? The APRS log I have says the highest altitude was 100,002 feet.

What altitude do I write on the patches and business cards? By the way, we'll need a couple of GPS sentences to send to Ralph if we want to apply for an altitude record.

Paul

4818. RE: [tvnsp] 02G landing spot and local topography

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-21 15:23:48 UTC
From: aduignan@HQ.SPACE.com
Topic: 4779 Message: 4818

I've got to be removed from this e-mail list. When I requested being put on your e-mail list, I was hoping to be put on your PRESS or PR e-mail list. This is too much e-mail. Please remove me from this list. Thank you. ADC

Anthony Duignan-Cabrera
Managing Editor
SPACE.com
A Division of Space Holdings
330 Madison Avenue, 6th Floor
New York, NY 10022
office 212 703-5845
fax 212 703-5801
cell 917 679-2195

-----Original Message-----
From: verhap@... [mailto:verhap@...]
Sent: Monday, October 21, 2002 3:22 AM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] 02G landing spot and local topography

> This could have been much worse since 02G just
> missed the very high ground of the butte
> at 5900 feet.

Could have been worse?!?!

Usually people say, "congratulations on another sucessful flight".

Even my rabbits said congrats on the flight.

By the way, the butte is Squaw Butte. There are several radio towers on it. It's got with roads to the top.

Paul "Chalk up another 100k" Verhage

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4819. RE: [tvnsp] 02G landing spot and local topography

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-21 16:56:53 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4779 Message: 4819

I removed your address from the list. We'll send notices to you on
our next launches.

Paul

> I've got to be removed from this e-mail list. When I requested being put on
> your e-mail list, I was hoping to be put on your PRESS or PR e-mail list.
> This is too much e-mail. Please remove me from this list. Thank you. ADC
>
> Anthony Duignan-Cabrera
> Managing Editor
> SPACE.com
> A Division of Space Holdings
> 330 Madison Avenue, 6th Floor
> New York, NY 10022
> office 212 703-5845
> fax 212 703-5801
> cell 917 679-2195
>
>
> -----Original Message-----
> From: verhap@... [mailto:verhap@...]
> Sent: Monday, October 21, 2002 3:22 AM
> To: tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] 02G landing spot and local topography
>
>
> > This could have been much worse since 02G just
> > missed the very high ground of the butte
> > at 5900 feet.
>
> Could have been worse?!?!
>
> Usually people say, "congratulations on another sucessful flight".
>
> Even my rabbits said congrats on the flight.
>
> By the way, the butte is Squaw Butte. There are several radio
> towers on it. It's got with roads to the top.
>
> Paul "Chalk up another 100k" Verhage
>
>
> To unsubscribe from this group, send an email to:
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4820. Artemis Article

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-21 17:12:01 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4820 Message: 4820
Attachments: 2 described; binary payloads are missing from this source WARC

Here's the article I'm submitting for publication to Artemis magazine (after I look it over again). And here's their website if you want to check them out.

http://www.lrcpubs.com/artemismagazine.html

Paul

4821. Re: [tvnsp] Flight Records

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-21 16:13:35 UTC
From: Stephanie Steele
Topic: 4817 Message: 4821

The best I had was 101387

Stephanie

verhap@... wrote:
> None of the graphics sent out (except for Hank's map) are imagine
> for me to llok at. I see just a small red envelope.
>
> Also, who has the highest altitude recorded? Can you send the
> GPS sentence? The APRS log I have says the highest altitude
> was 100,002 feet.
>
> What altitude do I write on the patches and business cards? By
> the way, we'll need a couple of GPS sentences to send to Ralph if
> we want to apply for an altitude record.
>
> Paul
>
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--
Stephanie

****

Friends are quiet angels who lift us to our feet when our wings have
trouble remembering how to fly.

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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de recta non tolerandum sunt

4822. Re: 02G landing spot and local topography

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-21 16:23:21 UTC
From: Hank
Topic: 4779 Message: 4822

> > This could have been much worse since 02G just
> > missed the very high ground of the butte
> > at 5900 feet.
>
> Could have been worse?!?!
>
> Usually people say, "congratulations on another sucessful flight".
>
> Even my rabbits said congrats on the flight.

Paul,

The context to the "much worse" comment was that the immediate
prior message from Doug was as follows:

>Well, looks like they missed the trees, but by the
>maps I have sure hope they packed a mountain goat!

>Doug

It's just us in the peanut gallery having a little fun.

> By the way, the butte is Squaw Butte.

As was already noted on list Saturday.

Hank

4823. Re: Kaysam balloon weight.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-21 16:35:52 UTC
From: Hank
Topic: 4792 Message: 4823

> I would assume, but I don't know. I'll order another 1500 gram
> balloon next week and ask.
>
> Paul
>
> > Does the weight of the Kaysam ballon
> > include the ring?
> >
> > Jeff

Paul,

This has already been answered on list Saturday. Yes,
the weight includes the ring.

What I'd like you to do is to ask Kaysam for the burst
height for the 1500 gram since I don't have that
figure in LIFTWIN. I can interpolate a figure for it
from the Kaysam models I already have, plus use the
02G actual performance, but I'd also like to know what
Kaysam's number is.

I'd also like to know how the burst figures of 90k feet
and 95k feet being quoted on this list last week were
obtained if someone could explain that.

Hank

4824. Re: [tvnsp] Photos for website from past missions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-21 16:37:00 UTC
From: rfarley@woodgrain.com
Topic: 4807 Message: 4824
Attachments: 3 described; binary payloads are missing from this source WARC

Justin has a copies from my camera. Havent had time to
review,sort and fix my pictures yet. Better half expects me to catch up on honey do's after play time. Go figure ;-(
Justin let me know if you send yours in so we don't double up on Mike and Andrea.

>>> kc7dpd@... 10/21/02 12:02AM >>>

To those who have sent photos to be posted to the page, I have been out of order for awhile and am now ready to get those pics up. Please remind me if you have sent something that didn't get put aside. I think Randy had sent some. (Our puter crashed just after you sent those pics and we had to reformat.) I know Justin did. (I have yours, for sure.)
Anybody else who sent some and want them posted, get back with me, please. Thank you.

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4825. Re: Photos for website from past missions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-21 16:46:19 UTC
From: Hank
Topic: 4807 Message: 4825

Regarding pictures, Andrea and Mike have posted a
bunch of nice pictures already for 02E and 02G on TVNSP
website!

Congratulations to them for bringing the site to life.

Hank

4826. [tvnsp] Re: Flight Code

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-21 17:24:31 UTC
From: Randy Farley
Topic: 4812 Message: 4826

>>> verhap@... 10/21/02 07:38AM >>>
> I also have the chute that I need to get back to you before the next launch.
<snip>

And I remember that Randy has my drinking bottle.

Paul

Shhhhh...dont let them know you drink on the flight line ;-)
I will look for it tonight.

Glad to see eveyone watching. We also had a great turnout on the
local repeaters asking a lot of questions this time.

Congratulations on the 100K , it was an honor to help out.
BTW, i got a nice lanolin buff job on my pickup from the
passing sheep band ;-) I think they actually buffed out some of
the scratches left from first TV02F recovery effort. Also who needs
a gym for exercise,just join the "TVNSP all natural workout"
by retrieving payloads.

Randy
N7GPS

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4827. Re: [tvnsp] Flight Records

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-21 18:28:16 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4817 Message: 4827

Can you send me the complete GPS sentence?

Paul

> The best I had was 101387
>
> Stephanie
>
>
>
> verhap@... wrote:
> > None of the graphics sent out (except for Hank's map) are imagine
> > for me to llok at. I see just a small red envelope.
> >
> > Also, who has the highest altitude recorded? Can you send the
> > GPS sentence? The APRS log I have says the highest altitude
> > was 100,002 feet.
> >
> > What altitude do I write on the patches and business cards? By
> > the way, we'll need a couple of GPS sentences to send to Ralph if
> > we want to apply for an altitude record.
> >
> > Paul
> >
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> > ADVERTISEMENT
> > <http://rd.yahoo.com/M=228862.2128520.3581629.2273195/D=egroupweb/S=1705083281:HM/A=1182732/R=0/*http://adfarm.mediaplex.com/ad/ck/990-1736-1039-333
> > >
> >
> >
> > To unsubscribe from this group, send an email to:
> > tvnsp-unsubscribe@egroups.com
> >
> >
> >
> > Your use of Yahoo! Groups is subject to the Yahoo! Terms of Service
> > <http://docs.yahoo.com/info/terms/>.
>
>
> --
> Stephanie
>
> ********************************
>

> Friends are quiet angels who lift us to our feet when our wings have
> trouble remembering how to fly.
>
> ******************************
>
> "They that can give up essential liberty to obtain a little temporary
> safety deserve neither liberty nor safety."
>
> Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.
>
> "Those who desire to give up freedom in order to gain security will not
> have, nor do they deserve, either one."
>
> President Thomas Jefferson.
> 1743-1826
>
> ******************************
>
> Send and receive money safely over the Internet by using PayPal. I use
> it and highly recommend it as a safe and reliable means to conduct
> business. By using the link below we both will receive a $5 sign up bonus.
>
> https://www.paypal.com/refer/pal=kc7dba%40arrl.net
>
> ******************************
>
> The information contained in this e-mail message is private and confidential
> information intended only for the use of the individual or entity to whom it
> is addressed. If the reader of this e-mail message is not the intended
> recipient you are notified any disclosure, dissemination, distribution,
> copying or the taking of any action based upon the information contained in
> this message is strictly prohibited.
>
>
> de recta non tolerandum sunt
>
>
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>
>

4828. Re: [tvnsp] Re: Kaysam balloon weight.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-21 19:08:54 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4792 Message: 4828

> I'd also like to know how the burst figures of 90k feet
> and 95k feet being quoted on this list last week were
> obtained if someone could explain that.

Based on experience with the Kaymont 1500 gram balloons.

Paul

4829. Draft 02G track map

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-21 18:55:23 UTC
From: Hank Riley
Topic: 4829 Message: 4829
Attachments: 1 described; binary payloads are missing from this source WARC

Red shows the ascent phase. The last red dot is the highest
altitude.

There is a gap right after burst that I'll fill in later,
but the wavy path is interesting to see.

Hank

Protect your PC - get McAfee.com VirusScan Online
http://clinic.mcafee.com/clinic/ibuy/campaign.asp?cid=3963

4830. TV02G Flight Code

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-21 19:59:06 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4830 Message: 4830

After looking through the flight code during lunch, I see nothing that would make it lock up. I'll download the code back into the capsule and run it for a while to see what happens.

You may see the capsule on APRS, if the signal can get out of my neighborhood.

Paul

4831. Re: [tvnsp] Draft 02G track map

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-21 19:25:04 UTC
From: Randy Farley
Topic: 4829 Message: 4831

I think that wavy path was confusing our spotters at home.
I also noticed the "S" shape on my laptop during chase.
It almost made us want to take a northern route too early
for interception. The extra altitude by this balloon again
caused minor problems. We still had a good landing zone cushion.

This is a new pattern for us i believe.
Be interesting to see the experts explanation
of wind patterns here.

Thanks Hank

regards

Randy Farley
N7GPS

>>> n1ltv@... 10/21/02 12:55PM >>>
Red shows the ascent phase. The last red dot is the highest
altitude.

There is a gap right after burst that I'll fill in later,
but the wavy path is interesting to see.

Hank

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http://clinic.mcafee.com/clinic/ibuy/campaign.asp?cid=3963

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4832. Re: Flight Records

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-21 19:32:30 UTC
From: Hank
Topic: 4817 Message: 4832

> Also, who has the highest altitude recorded? Can you send the
> GPS sentence? The APRS log I have says the highest altitude
> was 100,002 feet.

Just for your info, although it's lower than Stephanie's,
this is the highest igated:

KD4STH-11>GPSPO,WIDE3-
3,qAS,KC7DBA:$GPGGA,162459,4359.7635,N,11638.8613,W,1,09,1.0,30884.6,M
,-18.3,M,,*7E

30,884 meters equals 101,300 feet to the nearest 100 feet.

Hank

4833. Re: Draft 02G track map

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-21 20:06:27 UTC
From: Hank Riley
Topic: 4833 Message: 4833
Attachments: 1 described; binary payloads are missing from this source WARC

Randy,

This should help visualize what happened.

I've divided up the track into 4 pairs of corresponding
wind regimes. The pairs match roughly in direction.

They're labeled as A, B, C, and D; with A being the closest
to ground and D being the highest. The A pair leaves a bit
to be desired as far as matching, but that's because surface
winds were more variable with the difference in location,
topography, and time of day.

D pair indicates roughly the high-winds-at-high-altitude
track that took this balloon further than most of the
projections showed. Note how D winds are distinctly more
southerly than C winds.

All short distance balloon tracks display this approximate
track symmetry. There's a real funny one on the ANSR website
that makes a real doozy of a loop due to a complete reversal
of the wind at high altitude.

Hank

Unlimited Internet access for only $21.95/month.? Try MSN!
http://resourcecenter.msn.com/access/plans/2monthsfree.asp

4834. Re: [tvnsp] Re: Flight Records

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-21 20:17:29 UTC
From: bherrman@spro.net
Topic: 4817 Message: 4834

Hank wrote:
> Just for your info, although it's lower than Stephanie's,
> this is the highest igated:

LOL just FYI that packet was igated by Stephanie's home station.

> KD4STH-11>GPSPO,WIDE3-
> 3,qAS,KC7DBA:$GPGGA,162459,4359.7635,N,11638.8613,W,1,09,1.0,30884.6,M
> ,-18.3,M,,*7E

Bill

4835. Re: one payload, multiple frequencies

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-21 20:19:02 UTC
From: K. Mark Caviezel
Topic: 4804 Message: 4835

Could you wire the flight controller to the vfo
button and have it switch between vfo's to change
freq?

Harry

>>>> yeah, you probably could, but based on prior
experience I have had with little solenoids to press
camera shutter buttons, I can attest to the fact that
the all solid state solution is better. Solenoids,
even small ones, are current hogs, and alingment is
crucial. My camera system got about 10,000% better
as soon as I scrapped the solenoids and dug into the
guts of the cam to 'lobotomize' it. I've seen VX-1s
down to the $110-120 range new. Paul- How much is
the DJ-S11? If it's cheap and light, it may simply
be appropriate to fly two radios to broadcast on two
frequencies..... ah, the joys of payload design.
- KMC

_____
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4836. Re: [tvnsp] Re: one payload, multiple frequencies

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-21 21:37:51 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4804 Message: 4836

From HRO, a DJ-S11 is about $80.

Paul

> >>>> yeah, you probably could, but based on prior
> experience I have had with little solenoids to press
> camera shutter buttons, I can attest to the fact that
> the all solid state solution is better. Solenoids,
> even small ones, are current hogs, and alingment is
> crucial. My camera system got about 10,000% better
> as soon as I scrapped the solenoids and dug into the
> guts of the cam to 'lobotomize' it. I've seen VX-1s
> down to the $110-120 range new. Paul- How much is
> the DJ-S11? If it's cheap and light, it may simply
> be appropriate to fly two radios to broadcast on two
> frequencies..... ah, the joys of payload design.
> - KMC
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> _____
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4837. Re: [tvnsp] Re: one payload, multiple frequencies

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-21 21:41:46 UTC
From: Harry M
Topic: 4804 Message: 4837

I was referring to a "hard wire" to the vfo button switch. No relays involved. Maybe more code to allow momentary contact of the vfo
switch to go back and forth from vfo A to vfo B. Would not add any more weight such as adding another radio.

Harry

>
> >>>> yeah, you probably could, but based on prior
> experience I have had with little solenoids to press
> camera shutter buttons, I can attest to the fact that
> the all solid state solution is better. Solenoids,
> even small ones, are current hogs, and alingment is
> crucial. My camera system got about 10,000% better
> as soon as I scrapped the solenoids and dug into the
> guts of the cam to 'lobotomize' it. I've seen VX-1s
> down to the $110-120 range new. Paul- How much is
> the DJ-S11? If it's cheap and light, it may simply
> be appropriate to fly two radios to broadcast on two
> frequencies..... ah, the joys of payload design.
> - KMC

4838. Re: [tvnsp] Re: one payload, multiple frequencies

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-21 22:19:55 UTC
From: Zack Clobes
Topic: 4804 Message: 4838

Technically it should work, but if anything went wrong, you could wind up losing your data and backup signals. Most manufacturers spend quite a bit of time making sure their transmitters are tightly RF shielded. By opening up the transmitter and (effectively) adding an antenna to it's internal guts, there's no telling what may happen. Introducing high levels of RF directly into the microprocessor is just asking for trouble. If the transmitter somehow missed one of the switches, be it RF interference, bad code, etc, you could wind up transmitting your APRS on the backup freq. and CW on the APRS frequency. That would sure constitute a scare in the least.

I think that if you want a backup transmitter, you should put a totally independent second transmitter on board. This includes a separate battery, transmitter, controller, antenna. Just because you're transmitting on two frequencies, it doesn't mean the controller hasn't gone into an infinite loop, or the batteries aren't dead.

I think what would really be slick, is a second transceiver running split to receive the APRS packets and transmit on a different frequency. Using an intelligent controller board that could decode APRS packets, you could let the backup system sit idle until it stopped seeing packets from the APRS transmitter, at which time it would begin transmitting. The controller could transmit either barometric pressure or inside and outside air temps back to the ground via CW so that the chase team would have a reasonable idea of it's altitude.

Just my thoughts.

Zack Clobes, W0ZC
Project: Traveler
www.rckara.org/

----- Original Message -----
From: "Harry M" <harrymue@...>
To: <tvnsp@yahoogroups.com>
Sent: Monday, October 21, 2002 4:41 PM
Subject: Re: [tvnsp] Re: one payload, multiple frequencies

> I was referring to a "hard wire" to the vfo button switch. No relays involved. Maybe more code to allow momentary contact of the vfo
> switch to go back and forth from vfo A to vfo B. Would not add any more we ight such as adding another radio.
>
> Harry
>
> >
> > >>>> yeah, you probably could, but based on prior

> > experience I have had with little solenoids to press
> > camera shutter buttons, I can attest to the fact that
> > the all solid state solution is better. Solenoids,
> > even small ones, are current hogs, and alingment is
> > crucial. My camera system got about 10,000% better
> > as soon as I scrapped the solenoids and dug into the
> > guts of the cam to 'lobotomize' it. I've seen VX-1s
> > down to the $110-120 range new. Paul- How much is
> > the DJ-S11? If it's cheap and light, it may simply
> > be appropriate to fly two radios to broadcast on two
> > frequencies..... ah, the joys of payload design.
> > - KMC
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4839. Re: [tvnsp] Re: one payload, multiple frequencies

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-21 22:50:21 UTC
From: Harry M
Topic: 4804 Message: 4839

You bring up some very good points and I am in agreement somewhat. Not having the experience that I'm sure you do, I can only offer
what I think would be feasible. There is a whole box of what-ifs that we can explore and Murphy is always lurking. This would not be
such an exciting hobby as it is if we were not able to experiment and share ideas!

Thanks Jack!

73 - Harry
KC5TRB - ORB

> Technically it should work, but if anything went wrong, you could wind up
> losing your data and backup signals. Most manufacturers spend quite a bit
> of time making sure their transmitters are tightly RF shielded. By opening
> up the transmitter and (effectively) adding an antenna to it's internal
> guts, there's no telling what may happen. Introducing high levels of RF
> directly into the microprocessor is just asking for trouble. If the
> transmitter somehow missed one of the switches, be it RF interference, bad
> code, etc, you could wind up transmitting your APRS on the backup freq. and
> CW on the APRS frequency. That would sure constitute a scare in the least.
>
> I think that if you want a backup transmitter, you should put a totally
> independent second transmitter on board. This includes a separate battery,
> transmitter, controller, antenna. Just because you're transmitting on two
> frequencies, it doesn't mean the controller hasn't gone into an infinite
> loop, or the batteries aren't dead.
>
> I think what would really be slick, is a second transceiver running split to
> receive the APRS packets and transmit on a different frequency. Using an
> intelligent controller board that could decode APRS packets, you could let
> the backup system sit idle until it stopped seeing packets from the APRS
> transmitter, at which time it would begin transmitting. The controller
> could transmit either barometric pressure or inside and outside air temps
> back to the ground via CW so that the chase team would have a reasonable
> idea of it's altitude.
>
> Just my thoughts.
>
> Zack Clobes, W0ZC
> Project: Traveler
> www.rckara.org/
>

4840. Re: [tvnsp] Re: one payload, multiple frequencies

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-22 00:43:25 UTC
From: Jeff Melanson
Topic: 4804 Message: 4840

The DJ-S11 is $79.95 from HRO. It's small and lightweight.

http://www.hamradio.com/

Jeff
KD7INN

"K. Mark Caviezel" wrote:
>
> Could you wire the flight controller to the vfo
> button and have it switch between vfo's to change
> freq?
>
> Harry
>
> >>>> yeah, you probably could, but based on prior
> experience I have had with little solenoids to press
> camera shutter buttons, I can attest to the fact that
> the all solid state solution is better. Solenoids,
> even small ones, are current hogs, and alingment is
> crucial. My camera system got about 10,000% better
> as soon as I scrapped the solenoids and dug into the
> guts of the cam to 'lobotomize' it. I've seen VX-1s
> down to the $110-120 range new. Paul- How much is
> the DJ-S11? If it's cheap and light, it may simply
> be appropriate to fly two radios to broadcast on two
> frequencies..... ah, the joys of payload design.
> - KMC
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4841. Re: [tvnsp] Artemis Article

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-22 02:24:51 UTC
From: Tim Rynearson
Topic: 4820 Message: 4841
Attachments: 1 described; binary payloads are missing from this source WARC

One thing I noticed right away was that under the 'helpful websites' section
you still have the TVNSP site listed at www.the-one.com/tvnsp

Tim

-------Original Message-------

From: tvnsp@yahoogroups.com
Date: Monday, October 21, 2002 09:34:17 AM
To: tvnsp@yahoogroups.com
Subject: [tvnsp] Artemis Article

Here's the article I'm submitting for publication to Artemis
magazine (after I look it over again). And here's their website if you
want to check them out.

http://www.lrcpubs.com/artemismagazine.html

Paul

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4842. Re: [tvnsp] Re: Flight Records

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-22 03:10:53 UTC
From: Tim Rynearson
Topic: 4817 Message: 4842
Attachments: 1 described; binary payloads are missing from this source WARC

To be more precise, 30884.6 meters EQUALS 101,327.4278 feet !!!!!

Tim

-------Original Message-------

From: tvnsp@yahoogroups.com
Date: Monday, October 21, 2002 12:54:19 PM
To: tvnsp@yahoogroups.com
Subject: [tvnsp] Re: Flight Records

> Also, who has the highest altitude recorded? Can you send the
> GPS sentence? The APRS log I have says the highest altitude
> was 100,002 feet.

Just for your info, although it's lower than Stephanie's,
this is the highest igated:

KD4STH-11>GPSPO,WIDE3-
3,qAS,KC7DBA:$GPGGA,162459,4359.7635,N,11638.8613,W,1,09,1.0,30884.6,M
,-18.3,M,,*7E

30,884 meters equals 101,300 feet to the nearest 100 feet.

Hank

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4843. Re: [tvnsp] Re: one payload, multiple frequencies

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-22 03:17:12 UTC
From: Tim Rynearson
Topic: 4804 Message: 4843
Attachments: 1 described; binary payloads are missing from this source WARC

Same price at AES.....just got their catalog today.
www.aesham.com

Tim
-------Original Message-------

From: tvnsp@yahoogroups.com
Date: Monday, October 21, 2002 06:06:06 PM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] Re: one payload, multiple frequencies

The DJ-S11 is $79.95 from HRO. It's small and lightweight.

http://www.hamradio.com/

Jeff
KD7INN

"K. Mark Caviezel" wrote:
>
> Could you wire the flight controller to the vfo
> button and have it switch between vfo's to change
> freq?
>
> Harry
>
> >>>> yeah, you probably could, but based on prior
> experience I have had with little solenoids to press
> camera shutter buttons, I can attest to the fact that
> the all solid state solution is better. Solenoids,
> even small ones, are current hogs, and alingment is
> crucial. My camera system got about 10,000% better
> as soon as I scrapped the solenoids and dug into the
> guts of the cam to 'lobotomize' it. I've seen VX-1s
> down to the $110-120 range new. Paul- How much is
> the DJ-S11? If it's cheap and light, it may simply
> be appropriate to fly two radios to broadcast on two
> frequencies..... ah, the joys of payload design.
> - KMC
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> _____
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4844. Re: [tvnsp] Re: one payload, multiple frequencies

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-22 14:30:24 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4804 Message: 4844

> I think what would really be slick, is a second transceiver running split to
> receive the APRS packets and transmit on a different frequency. Using an
> intelligent controller board that could decode APRS packets, you could let
> the backup system sit idle until it stopped seeing packets from the APRS
> transmitter, at which time it would begin transmitting. The controller
> could transmit either barometric pressure or inside and outside air temps
> back to the ground via CW so that the chase team would have a reasonable
> idea of it's altitude.

I've got a partial design on a watch dog timer that does something
similiar. It will be a part of my second near space book.

Paul

4845. Re: [tvnsp] Re: Flight Records

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-22 14:34:58 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4817 Message: 4845

I get 101,301.5 feet (rounded to the nearest tenth). There's 3.28
feet per meter.

Paul

> To be more precise, 30884.6 meters EQUALS 101,327.4278 feet !!!!!
>
> Tim
>
> -------Original Message-------
>
> From: tvnsp@yahoogroups.com
> Date: Monday, October 21, 2002 12:54:19 PM
> To: tvnsp@yahoogroups.com
> Subject: [tvnsp] Re: Flight Records
>
> > Also, who has the highest altitude recorded? Can you send the
> > GPS sentence? The APRS log I have says the highest altitude
> > was 100,002 feet.
>
>
> Just for your info, although it's lower than Stephanie's,
> this is the highest igated:
>
> KD4STH-11>GPSPO,WIDE3-
> 3,qAS,KC7DBA:$GPGGA,162459,4359.7635,N,11638.8613,W,1,09,1.0,30884.6,M
> ,-18.3,M,,*7E
>
> 30,884 meters equals 101,300 feet to the nearest 100 feet.
>
> Hank
>
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>
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> .

4846. TV02G Data

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-22 15:09:15 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4780 Message: 4846
Attachments: 8 described; binary payloads are missing from this source WARC

I'm attaching what I have on TV02G data. The spreadsheet is Quattro Pro, I forgot to convert it before shutting off the PC last night.

I have six copies of the graphs I gnerated. I'll give thos out at our next meeting.

Paul

4847. Odds and Ends

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-22 15:19:41 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1077 Message: 4847

I just looked at my last email, please forgive the misspellings, I got in a hurry.

The ascent rate for the capsule was initially just over 1000 ft/min. At around 75,000 feet, the ascent rate climbed up to just over 1200 ft/min. I guess a good average is 1050 ft/min.

The last descent speed at some 9000 feet elevation was around 1150 ft/min. So at sea level it would be closer to 900 ft/min.

Tim suggested we use Emmett for a launch some time. The field he showed us was huge, we could launch dozens of balloons there. Tim then suggested we have a Northwest Super Launch (NWSL). I like this idea. Perhaps this spring we could host a multiple balloon launch. We should have several more capsules constructed by then (hint, hint). There's at least two other groups in Washington interested in launching balloons. I'll see if they think they might be ready.

Paul

4848. [tvnsp] Re: Draft 02G track map

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-22 14:51:55 UTC
From: Randy Farley
Topic: 4829 Message: 4848

Interesting Hank

Descent looks like an identical image of ascent as should
be. Good explanation and graphic comparison. I do well
with pictures.

Does the parachute also act like a balloon and
travel according to the winds? I'm assuming it should
barring any extraneous debris hanging from the chute
causing gliding changes in directions against the wind.

If you need data to fill in the D descent hole afte burst,i can send you my laptop map from the chase.

Thanks

Randy

>>> n1ltv@... 10/21/02 02:06PM >>>
Randy,

This should help visualize what happened.

I've divided up the track into 4 pairs of corresponding
wind regimes. The pairs match roughly in direction.

They're labeled as A, B, C, and D; with A being the closest
to ground and D being the highest. The A pair leaves a bit
to be desired as far as matching, but that's because surface
winds were more variable with the difference in location,
topography, and time of day.

D pair indicates roughly the high-winds-at-high-altitude
track that took this balloon further than most of the
projections showed. Note how D winds are distinctly more
southerly than C winds.

All short distance balloon tracks display this approximate
track symmetry. There's a real funny one on the ANSR website
that makes a real doozy of a loop due to a complete reversal
of the wind at high altitude.

Hank

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4849. Re: [tvnsp] Re: Flight Records

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-22 15:49:49 UTC
From: Harry M
Topic: 4817 Message: 4849

According to the CarrLane "Trigonometry Tables and Handy Refferences for Engineers" Meters x 3.281 = Feet
30884.6 x 3.281 = 101332.3726 Feet

Harry

> I get 101,301.5 feet (rounded to the nearest tenth). There's 3.28
> feet per meter.
>
> Paul
>
> > To be more precise, 30884.6 meters EQUALS 101,327.4278 feet !!!!!
> >
> > Tim

4850. In-flight QSY

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-22 18:27:45 UTC
From: n9xtn@cox.net
Topic: 4850 Message: 4850

You may want to take a look at what ANSR is doing with this. They use a Maxon data radio that has only a DB9 for control/signal and a BNC for antenna. You can pre-program it with 16 frequencies and then tell the radio to QSY to the desired one. I believe they use this to QSY their repeater to another UHF frequency, send an APRS posit, then QSY back to continue on as a repeater.

Do a Google search for 'Maxon SD125' for more details. Some of the specs indicate the VHF version covers 2m amateur band, some say it's good for 148-174. There is a UHF version that covers 70cm.

Downside is the price - in the $190-250 range. Radio has 1W or 5W output, requires 9-18 VDC, weight about 10oz.

- Mark

4851. (no subject)

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-23 00:50:20 UTC
From: Mike Garske
Topic: 4851 Message: 4851
Attachments: 7 described; binary payloads are missing from this source WARC

Can whomever sent these photos tell me what part of TV02F this was? During the orginal launch and recovery, or what it part of another attempt? I am now posting TV02F to the website.

Paul, I will be working on getting the rest of your site transferred, and I will let you know when I think I am finished, so then you can go back and double check to see if anything is missing. Then, whenever you have some time, I would like to send you webpages, one at a time to update, if it needs to be and I can repost it. Thanks!
www.tvnsp.org

4852. Re: [tvnsp]

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-23 01:38:28 UTC
From: Russ Dunn
Topic: 4852 Message: 4852

Mike, these are recovery pictures, courtesy of Dave the Tree Climber.

Russ
N7SMA
----- Original Message -----
From: Mike Garske
To: TVNSP List
Sent: Tuesday, October 22, 2002 6:50 PM
Subject: [tvnsp]

Can whomever sent these photos tell me what part of TV02F this was? During the orginal launch and recovery, or what it part of another attempt? I am now posting TV02F to the website.

Paul, I will be working on getting the rest of your site transferred, and I will let you know when I think I am finished, so then you can go back and double check to see if anything is missing. Then, whenever you have some time, I would like to send you webpages, one at a time to update, if it needs to be and I can repost it. Thanks!
www.tvnsp.org

4853. Re: [tvnsp]

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-23 01:50:26 UTC
From: Mike Garske
Topic: 4853 Message: 4853

Thank you for responding, Russ. There are so many recovery pictures and I know that a couple of other attempts had been made, so I just wanted to make sure I knew what I was doing when I posted these pics to the site.

Andrea

www.tvnsp.org
----- Original Message -----
From: Russ Dunn
To: tvnsp@yahoogroups.com
Sent: Tuesday, October 22, 2002 7:38 PM
Subject: Re: [tvnsp]

Mike, these are recovery pictures, courtesy of Dave the Tree Climber.

Russ
N7SMA
----- Original Message -----
From: Mike Garske
To: TVNSP List
Sent: Tuesday, October 22, 2002 6:50 PM
Subject: [tvnsp]

Can whomever sent these photos tell me what part of TV02F this was? During the orginal launch and recovery, or what it part of another attempt? I am now posting TV02F to the website.

Paul, I will be working on getting the rest of your site transferred, and I will let you know when I think I am finished, so then you can go back and double check to see if anything is missing. Then, whenever you have some time, I would like to send you webpages, one at a time to update, if it needs to be and I can repost it. Thanks!
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4854. Calander

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-23 03:10:56 UTC
From: Mike Garske
Topic: 4854 Message: 4854

I added a calander to the Schedule of Upcoming Events page, and if there are any events coming up for November that you all would like posted, please email us.

I assume there is a dinner reservation for the Jade Garden in Nampa or Caldwell for November 1st? And flight TV02H is scheduled for November 2nd? Anybody, give me a holler if you know the details.

Thanks.

Andrea
www.tvnsp.org

4855. Re: [tvnsp] Calander

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-23 12:30:17 UTC
From: Jeff Melanson
Topic: 4854 Message: 4855

Mike,

There are no reservations and I don't believe there will be anymore. We haven't had a chance to discuss this yet but here it is. The manager of Jade Garden had decided that our group is to small. If we use the conference room and not everyone buys dinner he doesn't make much money. If we want to continue to use the room then each person has to buy dinner or pay $5.00. The manager's decision is strictly a business decision. He needs to save the room for bigger groups. We can still meet at Jade Garden in the regular section but there's no room for our stuff and we can't do any training. We need a new meeting place.

As far as a launch goes, I don't know. Paul is planning to launch his same capsule's again but nothing was said about a schedule yet. He is going to or maybe already has ordered another balloon.

Jeff
KD7INN

> Mike Garske wrote:
>
> I added a calander to the Schedule of Upcoming Events
> page, and if there are any events coming up for November
> that you all would like posted, please email us.
>
> I assume there is a dinner reservation for the Jade Garden
> in Nampa or Caldwell for November 1st? And flight TV02H is
> scheduled for November 2nd? Anybody, give me a holler if
> you know the details.
>
> Thanks.
>
> Andrea
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4856. 350 gram balloon

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-23 12:36:22 UTC
From: Jeff Melanson
Topic: 4856 Message: 4856

John,

The 350 gram balloon was suppose to be here by Monday but
it's still not here. ????

Jeff
KD7INN

4857. Re: [tvnsp]

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-23 14:25:05 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4851 Message: 4857

> Can whomever sent these photos tell me what part of TV02F this was?

Those were taken by Dave on the third rescue attempt.

> Paul, I will be working on getting the rest of your site transferred, and I will let you know when I think I am finished, so then you can go back and double check to see if anything is missing. Then, whenever you have some time, I would like to send you webpages, one at a time to update, if it
needs to be and I can repost it. Thanks!

Sure well. Thanks, Mike.

Paul

4858. Re: [tvnsp] Calander

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-23 14:29:08 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4854 Message: 4858

> I assume there is a dinner reservation for the Jade Garden in Nampa or Caldwell for November 1st? And flight TV02H is scheduled for November 2nd? Anybody, giv
e me a holler if you know the details.

Do we have a balloon? I can order a 1500 gram balloon at the end
of the week. I think John ordered a 350 gram balloon.

I won't have my capsule ready for a while, I need to find out what's
happening that the flight computer locks up.

Paul

4859. Re: [tvnsp] Calander

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-23 13:36:41 UTC
From: John Knapp
Topic: 4854 Message: 4859

These are the same questions I asked Paul off line. We had scheduled a launch Nov. 2, but so far there is no balloon. Also, Paul indicated that we may do another 1500 gram balloon. Not sure where I heard this. As to meeting with Jade Garden or anyother place, the problem is there are not enough of us to make use of a conference room. Some places require 20, 30 or more people to reserve them.

If I hear anything new I will let you know.

JohnK

--- Jeff Melanson <kd7inn@...> wrote:
> Mike,
>
> There are no reservations and I don't believe there
> will be
> anymore. We haven't had a chance to discuss this yet
> but
> here it is. The manager of Jade Garden had decided
> that our
> group is to small. If we use the conference room and
> not
> everyone buys dinner he doesn't make much money. If
> we want
> to continue to use the room then each person has to
> buy
> dinner or pay $5.00. The manager's decision is
> strictly a
> business decision. He needs to save the room for
> bigger
> groups. We can still meet at Jade Garden in the
> regular
> section but there's no room for our stuff and we
> can't do
> any training. We need a new meeting place.
>
> As far as a launch goes, I don't know. Paul is
> planning to
> launch his same capsule's again but nothing was said
> about a
> schedule yet. He is going to or maybe already has
> ordered
> another balloon.
>

> Jeff
> KD7INN
>
> > Mike Garske wrote:
> >
> > I added a calander to the Schedule of Upcoming
> Events
> > page, and if there are any events coming up for
> November
> > that you all would like posted, please email us.
> >
> > I assume there is a dinner reservation for the
> Jade Garden
> > in Nampa or Caldwell for November 1st? And flight
> TV02H is
> > scheduled for November 2nd? Anybody, give me a
> holler if
> > you know the details.
> >
> > Thanks.
> >
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4860. Re: [tvnsp] 350 gram balloon

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-23 13:56:06 UTC
From: John Knapp
Topic: 4856 Message: 4860

Is it suppose to come to your address?

JohnK
--- Jeff Melanson <kd7inn@...> wrote:
> John,
>
> The 350 gram balloon was suppose to be here by
> Monday but
> it's still not here. ????
>
> Jeff
> KD7INN
>

_____
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4861. Meeting Place

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-23 14:44:00 UTC
From: Stephanie Steele
Topic: 3139 Message: 4861

The Sizzler in Ontario has two back rooms that may be available if we want to move the meeting this direction and keep them as dinner meetings. There is also the training room at the Fruitland City Hall that can be reserved as needed.

Stephanie

John Knapp wrote:

> These are the same questions I asked Paul off line. We
> had scheduled a launch Nov. 2, but so far there is no
> balloon. Also, Paul indicated that we may do another
> 1500 gram balloon. Not sure where I heard this. As to
> meeting with Jade Garden or anyother place, the
> problem is there are not enough of us to make use of a
> conference room. Some places require 20, 30 or more
> people to reserve them.
>
> If I hear anything new I will let you know.
>
> JohnK
>
> --- Jeff Melanson <kd7inn@...> wrote:
> > Mike,
> >
> > There are no reservations and I don't believe there
> > will be
> > anymore. We haven't had a chance to discuss this yet
> > but
> > here it is. The manager of Jade Garden had decided
> > that our
> > group is to small. If we use the conference room and
> > not
> > everyone buys dinner he doesn't make much money. If
> > we want
> > to continue to use the room then each person has to
> > buy
> > dinner or pay $5.00. The manager's decision is
> > strictly a
> > business decision. He needs to save the room for
> > bigger
> > groups. We can still meet at Jade Garden in the
> > regular
> > section but there's no room for our stuff and we
> > can't do
> > any training. We need a new meeting place.

> >
> > As far as a launch goes, I don't know. Paul is
> > planning to
> > launch his same capsule's again but nothing was said
> > about a
> > schedule yet. He is going to or maybe already has
> > ordered
> > another balloon.
> >
> > Jeff
> > KD7INN
> >
> > > Mike Garske wrote:
> > >
> > > I added a calander to the Schedule of Upcoming
> > Events
> > > page, and if there are any events coming up for
> > November
> > > that you all would like posted, please email us.
> > >
> > > I assume there is a dinner reservation for the
> > Jade Garden
> > > in Nampa or Caldwell for November 1st? And flight
> > TV02H is
> > > scheduled for November 2nd? Anybody, give me a
> > holler if
> > > you know the details.
> > >
> > > Thanks.
> > >
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>
> <http://rd.yahoo.com/M=212804.2460941.3878106.2273195/D=egroupweb/S=1705083281:HM/A=810327/R=1/*http://geocities.yahoo.com/ps/info?.refer=blrecs>
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4862. ORB-2

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-23 17:55:48 UTC
From: Harry M
Topic: 4862 Message: 4862

FYI

ORB-2 is tenatively scheduled to fly on Sat. Nov. 9th.
This will again be a 3ft balloon with a micro-beacon.
Altitude - UNK Burst - UNK
Launch site will be from within a 25 mile radius of Tulsa, Oklahoma.

Harry
KC5TRB

4863. TV02G Altitude Record?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-23 21:00:40 UTC
From: Mike Garske
Topic: 4863 Message: 4863

Group,

Are we going to submit TV02G for the altitude record? At 101,300~feet, looks like we would be #8 on the list, and our first in that category!

Mike KC7DPD
www.tvnsp.org

4864. Balloon PIREP

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-23 21:26:08 UTC
From: n9xtn@cox.net
Topic: 4864 Message: 4864

Just happened to see this while I was looking over PIREPs this afternoon.

CVG UA /OV FLM110035/TM 1857/FL370/TP A320/RM REPORTED SEEING A BALLOON

For those not familiar with PIREP coding, the report came from Covington KY (Greater Cincinnati Airport). The aircraft was an Airbus A320 at FL370 about 30 nautical miles ESE of the Falmouth KY VOR (or about 60 n. mi. ESE or SE of the airport).

So they must see weather balloons now and again.....

I can't find anything indicating that NWS requested any 18Z soundings today - sometimes they do for severe weather situations.

- Mark

4865. ORB-2

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-24 01:56:18 UTC
From: Harry M
Topic: 4862 Message: 4865

I goofed on the ORB-2 post!

ORB-2 is tenatively scheduled to fly on Sat. Nov. 2nd with backup date of Sat Nov. 9th.

Harry

4866. Meeting Location

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-24 05:32:55 UTC
From: Bill Herrmann
Topic: 4854 Message: 4866

At 06:30 AM 10/23/02 -0600, you wrote:
>The manager of Jade Garden had decided that our group is to small. If we
>use the conference room and not everyone buys dinner he doesn't make much
>money. If we want to continue to use the room then each person has to buy
>dinner or pay $5.00.

I'd think we might be able to find a place with a slightly smaller meeting room that would be more understanding of a small group. I can think of several offhand. (Of course, they're all in the Boise/Eagle area so they don't help that much.)

What about that pizza place where you guys used to meet? (On the Nampa Caldwell Boulevard.)

I'd be glad to check with a couple places here in Eagle that have smaller meeting rooms. It would be a little further than Nampa, but not too bad for the close to the border crowd if you come in through Middleton.

Hmmm, anybody know Middleton well? A business there might just welcome the additional business.

>The manager's decision is strictly a business decision. He needs to save
>the room for bigger groups.

Again, that's an awfully big meeting room for us. Probably a good decision for him.

BTW as long as the place is kid friendly and not overly expensive I'll be glad to add greatly to the host restaurants revenue stream by bringing my balloon chase crew...

I wouldn't mind mixing up the location a little and am not allergic to travelling to Ontario etc. as long as meetings aren't too early. For training could we use the Hobbytown location? (obviously a more central location might be better)

Bill

p.s. Please forgive the rambling - it's been a long day!

4867. (Fwd) Re: NSTAR 02-F ...."ES-OS SIX" EBBE... the plot thickens

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-24 14:27:41 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4867 Message: 4867

Keep your ears open for this flight, we may be able to hear the
communications.

Paul

------- Forwarded Message Follows -------
Date sent: Wed, 23 Oct 2002 13:59:11 -0700 (PDT)
From: "K. Mark Caviezel" <kmcaviezel@...>
Subject: Re: NSTAR 02-F ...."ES-OS SIX" EBBE... the plot thickens.
To: "Ralph Wallio, W0RPK" <wallio@crosspaths.net>,
"Paul Verhage, KD4STH" <paul.verhage@...>,
"Mark Conner, N9XTN" <mconner1@...>
Copies to: Gary <redyns@...>, gsnyder@...

Very cool, Ralph.

ok, breathing a little more fidelity into the EBBE
planning - it's 505 miles from Denver, CO to Treynor,
IA. We'll use that range for EBBE planning, in all
likelihood though the Denver balloon will ascend
slower, translate more to the east than the NSTAR
balloon and shorten the balloon-balloon range.
I use (conservative) 1.2 x sqrt (alt) = distance in
miles for radio range. When both balloons are at 50k
feet, range is 537 miles. Any possible high terrain
between here and there will be negated by another
minute or two of ascent. And it's true that 60/40,
70/30 and 80/20k feet altitude combinations yeild
predicted radio ranges in excess of 505 miles.

Sunrise here on November 2 is 7:28 am. I'm going to
plan for a 7:30 launch, although I am going to hook up
my wind logger to see if I have any 'lulling' that
follows a pattern, so my planned launch time will
change.
(last summer, we had a wind logger running for months
at a location five miles from here which showed no
useful predictable trend for lulls that would be of
interest for filling and launching a balloon, but near
the Rocky mountains, five miles may make a
difference).

Assuming the Denver plastic balloon makes a 700
foot/min ascent rate for the first 50,000 feet of
ascent, it will reach 50000 AGL at 8:41 am mountain
time.

Meanwhile, over Iowa, Mark Conner's balloon will
probably make a 1000 foot/min ascent which is typical
of a lot of latex flights I've seen.
Neglecting the neglectable altitude of Iowa, if the
NSTARians launch at 7:51, both balloons should make
50k feet at about the same time. Tell you what,
Mark, why don't you schedule your launch for 8am
(mountain time, that would be 9 am IA time, wouldn't
it?) That way the "ES-OS" balloon will get a little
head start. In a nominal flight (please hold your
laughter!) we'll have a balloon-balloon window over
half and hour. I agree that timing is essential, but
since the balloon-balloon range is 'only' 505 miles we
do have a reasonable chunk of margin to make up for
off-nominal performance.

My cell phone is 720-333-2248, feel free to call early
and often for updates. I'm a UHF/VHF guy so any of
the neato long range HF stuff is beyond our
capability.

- KMC

- "Ralph Wallio, W0RPK" <wallio@...> wrote:
> A quick EBBE solution is attached. Concentric range
> circles are at 20, 40,
> 60, 80 and 100Kft for 174, 246, 301,348 and 389
> miles respectively.
> Assuming two or three flights are released at the
> same time with the same
> ascent rates, there will be an EO-OS <> NSTAR path
> at ~60Kft and an ES-OS <>
> TVNSP path at ~80Kft. I will produce a precision
> map with Radio Mobile that
> takes terrain into account if you folks are really
> going to do this.
>
> Intercommunication for mutual management of release
> time and ascent rate
> will be very important, e.g., release +/- 1 minute
> and ascent rate +/-
> 100ft/min. This will not be easy.
>
> TNX es 73 de Ralph Wallio, W0RPK
> wallio@...
> http://members.crosspaths.net/wallio
> Results may not be reproducible
>

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Yahoo! Mail : http://fr.mail.yahoo.com

4868. Re: [tvnsp] Balloon PIREP

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-24 14:41:10 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4864 Message: 4868

> Just happened to see this while I was looking over PIREPs this afternoon.

I would have figured they moved too fast to see a balloon.

Paul

4869. Final Artemis Article

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-24 14:47:23 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4869 Message: 4869
Attachments: 2 described; binary payloads are missing from this source WARC

Here's the final draft of the article I'm submitting to Artemis magazine.

Paul

4870. Re: [tvnsp] Artemis Article

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-24 13:53:10 UTC
From: Mike Garske
Topic: 4820 Message: 4870

How about adding our website to the end of the article, Paul?

Mike KC7DPD
www.tvnsp.org
----- Original Message -----
From: <verhap@...>
To: <tvnsp@yahoogroups.com>
Sent: Monday, October 21, 2002 11:12 AM
Subject: [tvnsp] Artemis Article

> Here's the article I'm submitting for publication to Artemis
> magazine (after I look it over again). And here's their website if you
> want to check them out.
>
> http://www.lrcpubs.com/artemismagazine.html
>
> Paul
>
>
>
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>
> ---- File information -----------
> File: artemi~1.doc
> Date: 21 Oct 2002, 10:03
> Size: 41472 bytes.
> Type: Unknown
>

4871. Re: [tvnsp] Artemis Article

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-24 16:00:49 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4820 Message: 4871

It's there. It's under Useful Websites. I was reminded last time
that I was using the old website. I corrected it (along with several
other things) on this copy.

Paul

> How about adding our website to the end of the article, Paul?
>
> Mike KC7DPD
> www.tvnsp.org
> ----- Original Message -----
> From: <verhap@...>
> To: <tvnsp@yahoogroups.com>
> Sent: Monday, October 21, 2002 11:12 AM
> Subject: [tvnsp] Artemis Article
>
>
> > Here's the article I'm submitting for publication to Artemis
> > magazine (after I look it over again). And here's their website if you
> > want to check them out.
> >
> > http://www.lrcpubs.com/artemismagazine.html
> >
> > Paul
> >
> >
> >
> > To unsubscribe from this group, send an email to:
> > tvnsp-unsubscribe@egroups.com
> >
> >
> >
> > Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
> >
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>
> --
> ----
>
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> > you should be able to save it or view it from within your mailer.

> > If you cannot, please ask your system administrator for assistance.
> >
> > ---- File information -----------
> > File: artemi~1.doc
> > Date: 21 Oct 2002, 10:03
> > Size: 41472 bytes.
> > Type: Unknown
> >
>
>
>
>
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>
>
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>
>

4872. Aurora Alert

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-24 17:06:15 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4423 Message: 4872

There's an aurora alert for Friday night.

Paul

4873. RE: [tvnsp] Aurora Alert

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-24 16:20:26 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 4423 Message: 4873

Time? URL for alert?

Bill B.

-----Original Message-----
There's an aurora alert for Friday night.

Paul

4874. RE: [tvnsp] Aurora Alert

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-24 17:27:46 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4423 Message: 4874

I get them from spaceweather. com. The time is all night, but I
believe after midnight is best (just like for meteors).

Paul

> Time? URL for alert?
>
> Bill B.
>
> -----Original Message-----
> There's an aurora alert for Friday night.
>
> Paul
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>

4875. Testing

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-24 16:39:37 UTC
From: Kevin Neal
Topic: 4875 Message: 4875

Testing

Surf the Web without missing calls! Get MSN Broadband. Click Here
(http://g.msn.com/8HMKEN/2022)

4876. Re: [tvnsp] Meeting Location

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-25 03:44:48 UTC
From: Bill Herrmann
Topic: 4854 Message: 4876

I checked with the Chicago Connection in Eagle tonight about their meeting room. (What can I say - I was there anyway...)

There meeting room will hold up to 50. Minimum is 10 people to reserve it. They did suggest preordering as it makes things run smoother, but that was probably due to the fact that I was there with my U7 soccer team. For our use ordering as we go would probably work fine.

I suspect we could get away with not everybody ordering food as long as 10 did. I didn't check on any particular nights, but I did want to get an idea.

I think the Roundtable has a slightly smaller meeting room.

Again - just getting some comparisons - meeting in a more central location is just fine with me.

Bill

4877. Re: [tvnsp] 350 gram balloon

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-25 03:46:22 UTC
From: Jeff Melanson
Topic: 4856 Message: 4877

John,

Yes, it's supposed to come here. It's still not here. I'll
call Kaymont tommorrow and see what's up.

Jeff
KD7INN

John Knapp wrote:
>
> Is it suppose to come to your address?
>
> JohnK
> --- Jeff Melanson <kd7inn@...> wrote:
> > John,
> >
> > The 350 gram balloon was suppose to be here by
> > Monday but
> > it's still not here. ????
> >
> > Jeff
> > KD7INN
> >
>
> _____
> Do you Yahoo!?
> Y! Web Hosting - Let the expert host your web site
> http://webhosting.yahoo.com/
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
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4878. Re: [tvnsp] Meeting Location

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-25 03:52:45 UTC
From: Jeff Melanson
Topic: 4854 Message: 4878

Bill,

We can't depend on 10 people showing up. We are usually just
short of that.

Jeff
KD7INN

Bill Herrmann wrote:
>
> I checked with the Chicago Connection in Eagle tonight about their meeting
> room. (What can I say - I was there anyway...)
>
> There meeting room will hold up to 50. Minimum is 10 people to reserve it.
> They did suggest preordering as it makes things run smoother, but that was
> probably due to the fact that I was there with my U7 soccer team. For our
> use ordering as we go would probably work fine.
>
> I suspect we could get away with not everybody ordering food as long as 10
> did. I didn't check on any particular nights, but I did want to get an idea.
>
> I think the Roundtable has a slightly smaller meeting room.
>
> Again - just getting some comparisons - meeting in a more central location
> is just fine with me.
>
> Bill
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

4879. Re: [tvnsp] Meeting Location

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-25 04:45:17 UTC
From: Bill Herrmann
Topic: 4854 Message: 4879

At 09:52 PM 10/24/02 -0600, you wrote:
>We can't depend on 10 people showing up. We are usually just
>short of that.

So, what is our normal count? (and heck, if I come and bring all but the
teenager that's 5!)

Bill

4880. Meeting?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-25 11:41:51 UTC
From: Jeff Melanson
Topic: 2 Message: 4880

Is there a meeting tonight?

Jeff

4881. Re: [tvnsp] Meeting?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-25 14:23:58 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2 Message: 4881

No, the next is next week.

This reminds me, we need to get together and work on PCs. when
do we want to do that?

Paul

> Is there a meeting tonight?
>
> Jeff
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>

4882. TV02G Spreadsheets

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-25 14:25:56 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4882 Message: 4882
Attachments: 6 described; binary payloads are missing from this source WARC

Here's the spreadsheets for TV02G converted into excel files.

Paul

4883. Weather Balloons

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-25 13:31:43 UTC
From: Stephanie Steele
Topic: 4883 Message: 4883

Pat Ahern found this source for balloons. Anyone know anything about them?

--
Stephanie

****

Friends are quiet angels who lift us to our feet when our wings have
trouble remembering how to fly.

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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it and highly recommend it as a safe and reliable means to conduct
business. By using the link below we both will receive a $5 sign up bonus.

https://www.paypal.com/refer/pal=kc7dba%40arrl.net

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4884. Re: [tvnsp] Weather Balloons

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-25 13:37:17 UTC
From: Stephanie Steele
Topic: 4883 Message: 4884

Ooops! Here is the URL

http://www.ravenind.com/eng_films/balloons_small.htm

Stephanie Steele wrote:
> Pat Ahern found this source for balloons. Anyone know anything about them?
>
>
> --
> Stephanie
>
> ******************************
>
> Friends are quiet angels who lift us to our feet when our wings have
> trouble remembering how to fly.
>
> ******************************
>
> "They that can give up essential liberty to obtain a little temporary
> safety deserve neither liberty nor safety."
>
> Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.
>
> "Those who desire to give up freedom in order to gain security will not
> have, nor do they deserve, either one."
>
> President Thomas Jefferson.
> 1743-1826
>
> ******************************
>
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> <http://rd.yahoo.com/M=212804.2460941.3878106.2273195/D=egroupweb/S=1705083281:HM/A=810327/R=1/*http://geocities.yahoo.com/ps/info?.refer=blrecs>
>
>
>
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>
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--
Stephanie

****

Friends are quiet angels who lift us to our feet when our wings have
trouble remembering how to fly.

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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4885. Re: [tvnsp] Weather Balloons

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-25 13:40:10 UTC
From: Randy Farley
Topic: 4883 Message: 4885

URL please.

>>> stephanie@... 10/25/02 07:31AM >>>
Pat Ahern found this source for balloons. Anyone know anything about them?

--
Stephanie

****

Friends are quiet angels who lift us to our feet when our wings have
trouble remembering how to fly.

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
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President Thomas Jefferson.
1743-1826

****

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4886. Re: [tvnsp] Weather Balloons

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-25 14:44:21 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4883 Message: 4886

Raven makes zero pressure balloons (ZPB) from polyethylene. I
visited them last year. The balloons cost more than latex and are
really designed for larger payloads (a ton or more are flown by the
NSBF).

Paul

> Ooops! Here is the URL
>
> http://www.ravenind.com/eng_films/balloons_small.htm
>
>
> Stephanie Steele wrote:
> > Pat Ahern found this source for balloons. Anyone know anything about them?
> > >
> > >
> > > --
> > > Stephanie
> > >
> > > ******************************
> > >
> > > Friends are quiet angels who lift us to our feet when our wings have
> > > trouble remembering how to fly.
> > >
> > > ******************************
> > >
> > > "They that can give up essential liberty to obtain a little temporary
> > > safety deserve neither liberty nor safety."
> > >
> > > Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.
> > >
> > > "Those who desire to give up freedom in order to gain security will not
> > > have, nor do they deserve, either one."
> > >
> > > President Thomas Jefferson.
> > > 1743-1826
> > >
> > > ******************************
> > >
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> > <http://rd.yahoo.com/M=212804.2460941.3878106.2273195/D=egroupweb/S=1705083281:HM/A=810327/R=1/
*http://geocities.yahoo.com/ps/info?.refer=blrecs>
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>
>
> --
> Stephanie
>
> ********************************
>
> Friends are quiet angels who lift us to our feet when our wings have
> trouble remembering how to fly.
>
> ********************************
>
> "They that can give up essential liberty to obtain a little temporary
> safety deserve neither liberty nor safety."
>
> Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.
>
> "Those who desire to give up freedom in order to gain security will not

> have, nor do they deserve, either one."
>
> President Thomas Jefferson.
> 1743-1826
>
> ******************************
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> https://www.paypal.com/refer/pal=kc7dba%40arrl.net
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>

4887. Re: [tvnsp] Aurora Alert

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-25 14:02:30 UTC
From: Harry M
Topic: 4423 Message: 4887

Auroral Activity Extrapolated from NOAA POES

Viewing info is here...
http://www.sel.noaa.gov/Aurora/index.html

The above is part of this site...
http://www.sel.noaa.gov/pmap/

Harry, KC5TRB

4888. Re: [tvnsp] Meeting?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-25 14:11:45 UTC
From: John Knapp
Topic: 2 Message: 4888

The next meeting is scheduled for Nov. 1. It was suppose to be a preflight meeting but in talking with Paul last night we decided to delay TV02H. Stephanie, can you reserve some space at the Ontario Sizzler for us? We will meet there if you can. A room would be nice but if one is not available, we can meet in a corner. Plan on around 10 people.

We also talked about the ES-OS Six flight and are wondering if it would be possible to try to communicate with the capsules? We will visit more about it next week. Not sure about any training at the next meeting. I will have to look back at my notes for that information. Will let everyone know.

Hope this helps in planning.

JohnK
KD7HGS

Do you Yahoo!?
Y! Web Hosting - Let the expert host your web site
http://webhosting.yahoo.com/

4889. Re: [tvnsp] Meeting?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-25 15:57:20 UTC
From: Stephanie Steele
Topic: 2 Message: 4889

The room is reserved for us at 6:30pm under Treasure Valley Near Space.
If changes need to be made call 889-5005. I will most likely not make
this meeting, or will be late, unless I happen to make it back in time
from a training I am attending in Washington.

Stephanie

John Knapp wrote:

> The next meeting is scheduled for Nov. 1. It was
> suppose to be a preflight meeting but in talking with
> Paul last night we decided to delay TV02H. Stephanie,
> can you reserve some space at the Ontario Sizzler for
> us? We will meet there if you can. A room would be
> nice but if one is not available, we can meet in a
> corner. Plan on around 10 people.
>
> We also talked about the ES-OS Six flight and are
> wondering if it would be possible to try to
> communicate with the capsules? We will visit more
> about it next week. Not sure about any training at the
> next meeting. I will have to look back at my notes for
> that information. Will let everyone know.
>
> Hope this helps in planning.
>
> JohnK
> KD7HGS
>
>
> ---
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4890. Re: [tvnsp] Meeting?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-25 18:06:07 UTC
From: Mike Garske
Topic: 2 Message: 4890

I am busy this weekend, got company.....but after the next launch I should be free til Turkey Day!

Mike KC7DPD
www.tvnsp.org
----- Original Message -----
From: <verhap@...>
To: <tvnsp@yahoogroups.com>
Sent: Friday, October 25, 2002 8:23 AM
Subject: Re: [tvnsp] Meeting?

> No, the next is next week.
>
> This reminds me, we need to get together and work on PCs. when
> do we want to do that?
>
> Paul
>
> > Is there a meeting tonight?
> >
> > Jeff
> >
> >
> > To unsubscribe from this group, send an email to:
> > tvnsp-unsubscribe@egroups.com
> >
> >
> >
> > Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
> >
> >
>
>
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
>

4891. Re: [tvnsp] TV02G Spreadsheets

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-25 18:07:36 UTC
From: Mike Garske
Topic: 4882 Message: 4891

Thanks Paul, we will get them in the archives soon.....

Mike KC7DPD
www.tvnsp.org
----- Original Message -----
From: <verhap@...>
To: <tvnsp@yahoogroups.com>
Sent: Friday, October 25, 2002 8:25 AM
Subject: [tvnsp] TV02G Spreadsheets

> Here's the spreadsheets for TV02G converted into excel files.
>
> Paul
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
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>
> ---- File information -----------
> File: tv02g10.xls
> Date: 24 Oct 2002, 19:38
> Size: 62339 bytes.
> Type: Excel-sheet
>

> The following section of this message contains a file attachment
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> If you cannot, please ask your system administrator for assistance.
>
> ---- File information -----------
> File: tv02g11.xls
> Date: 24 Oct 2002, 19:39
> Size: 58392 bytes.
> Type: Excel-sheet
>

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> you should be able to save it or view it from within your mailer.
> If you cannot, please ask your system administrator for assistance.
>
> ---- File information -----------
> File: tv02gtch.xls
> Date: 24 Oct 2002, 19:40
> Size: 43720 bytes.
> Type: Excel-sheet
>

4892. Re: [tvnsp] Meeting?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-25 22:44:48 UTC
From: Jeff Melanson
Topic: 2 Message: 4892

I won't be able to come to the Nov. 1st meeting. That
weekend is my Anniversary.

Jeff
KD7INN

Mike Garske wrote:
>
> I am busy this weekend, got company.....but after the next launch I should
> be free til Turkey Day!
>
> Mike KC7DPD
> www.tvnsp.org
> ----- Original Message -----
> From: <verhap@...>
> To: <tvnsp@yahoogroups.com>
> Sent: Friday, October 25, 2002 8:23 AM
> Subject: Re: [tvnsp] Meeting?
>
> > No, the next is next week.
> >
> > This reminds me, we need to get together and work on PCs. when
> > do we want to do that?
> >
> > Paul
> >
> > > Is there a meeting tonight?
> > >
> > > Jeff
> > >
> > >
> > > To unsubscribe from this group, send an email to:
> > > tvnsp-unsubscribe@egroups.com
> > >
> > >
> > >
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> > >
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> >
> >
> > To unsubscribe from this group, send an email to:

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> >
> >
> > Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
> >
> >
> >
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

4893. Re: [tvnsp] TV02G Spreadsheets

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-26 19:40:20 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4882 Message: 4893

Internal temps rise once the capsule enters the stratosphere. The
hope is to keep them from falling too low during the flight by
packing them in an extra styrofoam box placed near the GPS
reciever.

Paul

> Thanks Paul. I couldn't follow all the temperatures in the first spreadsheet.
The last one was the most simple. It appears that the batteries warm up
as they are drained. Is that heat captured in the battery compartment?
That would explain the warmer temperature as opposed to the apparent ambient temperature.

4894. Locking Out Email Addresses

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-26 19:43:40 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4894 Message: 4894

I'm wondering about locking out any new email address to TVNSP if they come from Hotmail or Yahoo. I'm concerned they're spammers. Any input?

Paul

4895. History

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-26 19:56:23 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4269 Message: 4895
Attachments: 2 described; binary payloads are missing from this source WARC

I have a list of notable firsts that I need to finish (as opposed to swedish) up. It's a Word document attached to this email.

Please let me know the following,
Missing dates
Missing events
ANSR events

I'm experimenting with an ISO date standard. Let me know if it doesn't appeal to you.

Paul

4896. PCBs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-26 19:59:22 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4474 Message: 4896

Don, I still have two PCBs for you.

I still have one beacon and three temperature sensor arrays. Let me know if you'd like to buy the kits.

Paul

4897. Need Tires

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-26 20:08:39 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4897 Message: 4897

I'm in the process of figuring out how to get three five-foot mirrors back to Boise. I'm looking for tires (without rims) to place the mirrors on. Does anyone have some old tires I could borrow for a weekend?

Paul

4898. Re: [tvnsp] Need Tires

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-26 19:42:02 UTC
From: John Knapp
Topic: 4897 Message: 4898

Paul, I have some old tires you can use. Call me at
home to arrange a pickup.

JohnK
--- verhap@... wrote:
> I'm in the process of figuring out how to get three
> five-foot mirrors
> back to Boise. I'm looking for tires (without rims)
> to place the
> mirrors on. Does anyone have some old tires I could
> borrow for a
> weekend?
>
> Paul
>

_____
Do you Yahoo!?
Y! Web Hosting - Let the expert host your web site
http://webhosting.yahoo.com/

4899. Re: [tvnsp] History

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-26 21:00:36 UTC
From: Zack Clobes
Topic: 4269 Message: 4899

Project Traveler's first was 22 April 2001. We initially called it Beta 1, but now just refer to it as 2001a. Payload consisted of a 2m APRS (VX-1R, Garmin GPS-35, homegrown controller) and a backup transmitter (the 29MHz TTL oscillator). We also had an externally mounted 35mm camera that froze up after a dozen or so pictures.

There's a full write-up of it at
http://www.rckara.org/project_traveler/2001a/

Zack Clobes, W0ZC
Project: Traveler
www.rckara.org/

----- Original Message -----
From: <verhap@...>
To: <tvnsp@yahoogroups.com>; <knsp@egroups.com>; <eoss@egroups.com>
Sent: Saturday, October 26, 2002 2:56 PM
Subject: [tvnsp] History

> I have a list of notable firsts that I need to finish (as opposed to
> swedish) up. It's a Word document attached to this email.
>
> Please let me know the following,
> Missing dates
> Missing events
> ANSR events
>
> I'm experimenting with an ISO date standard. Let me know if it
> doesn't appeal to you.
>
> Paul
>
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>

> The following section of this message contains a file attachment
> prepared for transmission using the Internet MIME message format.
> If you are using Pegasus Mail, or any another MIME-compliant system,
> you should be able to save it or view it from within your mailer.
> If you cannot, please ask your system administrator for assistance.
>
> ---- File information -----------
> File: history.doc
> Date: 25 Oct 2002, 23:05
> Size: 26112 bytes.
> Type: Unknown
>

4900. Re: [tvnsp] History

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-26 23:24:40 UTC
From: Mark Conner
Topic: 4269 Message: 4900
Attachments: 1 described; binary payloads are missing from this source WARC

A few changes made. I also have some comments to a few book chapters that are on my other computer that I need to e-mail you.

- Mark
----- Original Message -----
From: verhap@...
To: tvnsp@yahoogroups.com ; knsp@egroups.com ; eoss@egroups.com
Sent: Saturday, October 26, 2002 14:56
Subject: [tvnsp] History

I have a list of notable firsts that I need to finish (as opposed to
swedish) up. It's a Word document attached to this email.

Please let me know the following,
Missing dates
Missing events
ANSR events

I'm experimenting with an ISO date standard. Let me know if it
doesn't appeal to you.

Paul

Yahoo! Groups Sponsor
ADVERTISEMENT

To unsubscribe from this group, send an email to:
tvnsp-unsubscribe@egroups.com

Your use of Yahoo! Groups is subject to the Yahoo! Terms of Service.

The following section of this message contains a file attachment
prepared for transmission using the Internet MIME message format.
If you are using Pegasus Mail, or any another MIME-compliant system,
you should be able to save it or view it from within your mailer.
If you cannot, please ask your system administrator for assistance.

---- File information -----------
File: history.doc
Date: 25 Oct 2002, 23:05
Size: 26112 bytes.
Type: Unknown

4901. Balloon Lanch Tomorrow

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-27 03:49:50 UTC
From: Harry M
Topic: 4901 Message: 4901

Just got this email from "Balloons & Rockets" and found this site...
http://www.physics.montana.edu/borealis/index.html but no
launch info.

Subject:
Balloon Launch
Date:
Sat, 26 Oct 2002 18:07:30 -0700
From:
"Wilfried Mulder (VMR)" <wilf@...>
To:
norac@...

From: "Doug Reid" <ve7tvt@...>
Sent: Saturday, October 26, 2002 5:58 PM
Subject: Balloon Launch

> Hi:
>
> Amateurs in Helena Montana are planning to launch a balloon tomorrow -

> Sunday October 27. Scheduled launch is 09:00 Mountain Standard Time
and
> they hope to reach 100,000 feet and be up until 13:00 hours (MST) The
> balloon will carry APRS on the national APRS frequency 144.390 as well
as
> 446.000 UHF. (Information from Bill K7MT on the Montana Net)
> Doug
> VE7TVT
>
>

4902. Re: [tvnsp] Need Tires

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-27 05:33:20 UTC
From: Bill Herrmann
Topic: 4897 Message: 4902

At 01:08 PM 10/26/02 -0700, you wrote:
>Does anyone have some old tires I could borrow for a weekend?

I've got 2 you could have. If you don't get enough let me know and I can talk to a guy I know that manages one of the Commercial Tire stores. I'm sure he could loan you a few.

Bill

4903. Re: [tvnsp] Locking Out Email Addresses

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-27 05:38:44 UTC
From: Bill Herrmann
Topic: 4894 Message: 4903

At 12:43 PM 10/26/02 -0700, you wrote:
>I'm wondering about locking out any new email address to TVNSP
>if they come from Hotmail or Yahoo. I'm concerned they're
>spammers. Any input?

It probably isn't necessary to go to those lengths. I believe I recall that you're now moderating subscriptions and it's been my experience that most spammer ids are pretty obvious. In other words, you can just fail to confirm ones that look suspicious.

I haven't checked the numbers lately but the list I run (about 1100 members) has a number of legitimate email addresses from both services.

Bill

4904. Re: [tvnsp] Meeting?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-27 05:39:36 UTC
From: Bill Herrmann
Topic: 2 Message: 4904

At 07:11 AM 10/25/02 -0700, you wrote:
>Paul last night we decided to delay TV02H.

Any info on a revised date for TV02H?

Bill

4905. Re: [tvnsp] History

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-27 16:16:54 UTC
From: Tim Rynearson
Topic: 4269 Message: 4905
Attachments: 1 described; binary payloads are missing from this source WARC

For those that haven't noticed yet, I'm seeing Dave in Pine on my APRS map..
.

Tim, N7UBO

4906. KD7MFJ-11

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-27 17:48:11 UTC
From: Tim Rynearson
Topic: 4906 Message: 4906
Attachments: 1 described; binary payloads are missing from this source WARC

I'm now seeing the above at close to 75000 feet near Billings Montana....

Tim

4907. Re: [tvnsp] KD7MFJ-11

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-27 18:55:47 UTC
From: Tim Rynearson
Topic: 4906 Message: 4907
Attachments: 2 described; binary payloads are missing from this source WARC

My data shows this payload got to a max altitude of 106,295 feet. Text file of what I received is attached.

Tim

4908. (no subject)

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-27 22:05:16 UTC
From: Mike Garske
Topic: 4908 Message: 4908

Paul,

I think I have your website all downloaded and added to the new one. When you have a chance, can you please take a look. You can access the archives for previous flights and videos.
For all your procedure links, you can click on the procedures and operations link.

I downloaded 2 of your 3 videos. The last one is too large to post on the site, so I have downloaded it and will have it available to anyone who wants it.

If you have any questions or concerns, please get with me.
Other than that, I think the other site is ready to shut down, giving VOI more space to work with!

It's been fun working with you and the group. We've still lots of work to do on the site, but hope it is meeting everyone's standards.

Andrea
www.tvnsp.org

4909. Ignore this email test.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-28 02:06:27 UTC
From: jmel36
Topic: 4909 Message: 4909

test

4910. Re: [tvnsp] History

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-28 01:17:20 UTC
From: Mike Manes
Topic: 4269 Message: 4910

Hi Paul,

Re first voice repeater:
Same basic crossband repeater still in use by EOSS. Built for EOSS by Glenn Cascino WN0EHE, Bob Schellhorn N0TI(ex-W6ORE) and Bob Ragain WB4ETT, all members of the Rocky Mountain Radio League (RMRL). Since its first flight, it's undergone a number of improvements, including a self-erecting ground plane and APRS packet overlay. This package flew during GPSL 2002 and most recently on EOSS-60, where it was used to relay an SSTV image from the T&R crew to the ground station.

And kudos on the ISO date format! Just like the civilized world!
Next is metric and 24-hr time .... right after Liberia ....

73 de Mike W5VSI

Following is from the EOSS handbook:

E0SS-7 (RMRL DUAL BAND REPEATER)
PLANNED LAUNCH DATE: July 8, 1992
PLANNED LAUNCH SITE : Robert F. Clement Park [near Denver, CO - Mike]
BALLOON: Kaysam Meteorological Balloon #100G Weight: 1000 grams. PAYLOAD
PACKAGING: Type III
PLANNED LAUNCH TIME: 08:00
LAUNCH/TOUCHDOWN TIME: 08:00/1036 LOS 09:40 burst 10:55 recovery
ACTUAL ALTITUDE: No instruments
ASCENT/DESCENT TIME: Aprox. 140 min./Aprox. 56 min.
ASCENT/DESCENT VELOCITY:
TOUCHDOWN: 5 miles east of I-25 @ El Paso County line
EXPERIMENTS: Rocky Mtn. Radio League cross band repeater
which weighed 3.1 lbs. and a 10 meter beacon.
SPACECRAFT FREQ:
Input 446.000 Output 147.555 [RMRL Repeater freqs - Mike]
10 Meter beacon 28.321
GROUND NETWORK FREQ: Public info, long range tracking: 7.232
PROJECT LEAD: Bob Ragain
BALLOON LEAD: Merle McCaslin
LAUNCH SITE LEAD: Jack Crabtree
TRACKING & RECOVERY: Greg Burnett
COMMENTS:
WEATHER CONDITIONS: Winds Calm and CAVU
RESULTS: Worked very well, Balloon tracked visually during ascent. Burst confirmed visually.

verhap@... wrote:
>

> I have a list of notable firsts that I need to finish (as opposed to
> swedish) up. It's a Word document attached to this email.
>
> Please let me know the following,
> Missing dates
> Missing events
> ANSR events
>
> I'm experimenting with an ISO date standard. Let me know if it
> doesn't appeal to you.
>
> Paul
>
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
> ---
> The following section of this message contains a file attachment
> prepared for transmission using the Internet MIME message format.
> If you are using Pegasus Mail, or any another MIME-compliant system,
> you should be able to save it or view it from within your mailer.
> If you cannot, please ask your system administrator for assistance.
>
> ---- File information -----------
> File: history.doc
> Date: 25 Oct 2002, 23:05
> Size: 26112 bytes.
> Type: Unknown
>
> ---
> Name: history.doc
> history.doc Type: Winword File (application/msword)
> Encoding: BASE64

--
Mike Manes manes@... Tel: 303-979-4899
"Things should be made as simple as possible, but not more so." A.
Einstein

4911. email test

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-28 02:22:49 UTC
From: jmel36
Topic: 4911 Message: 4911

test

4912. test email test

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-28 02:25:52 UTC
From: jmel36
Topic: 4912 Message: 4912

test

4913. Re: [tvnsp] History

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-28 14:24:18 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4269 Message: 4913

Thanks. I found a few editing errors in chapter one. I'll email the
updated chapter out again.

Paul
> A few changes made. I also have some comments to a few book chapters that are on my other computer that I need to e-mail you.

4914. Re: [tvnsp] Balloon Lanch Tomorrow

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-28 14:30:23 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4901 Message: 4914

Montana visited us back in 2001. We helped them start up a
program.

Paul

>
>
> Just got this email from "Balloons & Rockets" and found this site...
http://www.physics.montana.edu/borealis/index.html but no
> launch info.

4915. TV02G and H

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-28 14:45:01 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2 Message: 4915

> Any info on a revised date for TV02H?

Yes, or at least, TV02G.

I'll order a 1500 gram balloon today. In a week or two, it should be here (The Pony Express arrives on Thursdays, right?).

The flight computer in TV02G had three errors.

A. The the preflight loop, where we get a ten minute countdown, was instead set to a 0 minute count down.

B. The GPS reciever was not programmed to send the PGRMV sentence. Therefore, the flight computer would lock up waiting for it. Actually, this presents another problem, as I coded a timeout in the program. Why the timeout didn't work, I don't know. More work to do on that one. The other GPs was programmed to send the PGRMV sentence. I switched the recievers out, not realizing this. Both recievers now send the PGRMV sentence. Now they are logically and physically identical

C. The launch photograph routine didn't take into account if the capsule was out of preflight mode. Therefore, as soon as it jumped out of the countdown, it would take a photograph. This is a problem, because without the countdown delay, there's no time for the GPS to get a position fix.

All three problems have been corrected. I ran the capsule last night and watched it move out of preflight mode properly.

So, who wants to fly first? Jeff and Stephanie both have capsules they could launch. There's a 350 gram balloon somewhere coming our way that would work for Jeff's capsule. I have experiments I want to fly on the 1500 gram balloon. I supose there's no reason everyone's capsule couldn't go up on it. We wouldn't make 100,000 that way, but you may not feel that's a problem.

So two balloons, two flights.

Paul

4916. Re: [tvnsp]

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-28 14:49:52 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4908 Message: 4916

Thanks, Ill check it out ASAP. You've done a great job, thanks.

Paul

> Paul,
>
> I think I have your website all downloaded and added to the new one. When you have a chance, can you please take a look. You can access the archives for previous flights and videos.
> For all your procedure links, you can click on the procedures and operations link.
>
> I downloaded 2 of your 3 videos. The last one is too large to post on the site, so I have downloaded it and will have it available to anyone who wants it.
>
> If you have any questions or concerns, please get with me.
> Other than that, I think the other site is ready to shut down, giving VOI more space to work with!
>
> It's been fun working with you and the group. We've still lots of work to do on the site, but hope it is meeting everyone's standards.
>
> Andrea
> www.tvnsp.org

4917. ES-OS

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-28 15:00:53 UTC
From: Harry M
Topic: 4917 Message: 4917

What does ES-OS stand for and is there a website?

Harry

4918. Re: [tvnsp] ES-OS

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-28 15:11:46 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4917 Message: 4918

> What does ES-OS stand for and is there a website?

That's the other Mark's program, out of Colorado. It's a sub-orbital group that makes use of Mark's home-made poly balloons.

Paul

4919. Re: [tvnsp] ES-OS

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-28 15:37:28 UTC
From: Harry M
Topic: 4917 Message: 4919

Ok!
Thanks Paul.

> > What does ES-OS stand for and is there a website?
>

4920. Re: [EOSS] ES-OS, Re: [EOSS] ES-OS

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-28 16:51:17 UTC
From: K. Mark Caviezel
Topic: 4917 Message: 4920

Harry:
"ES-OS" stands for 'Experimental Sub-Orbital Society'. It is my group, really just a couple friends that are currently pursuing experimental home built plastic balloons. I always write it with the hyphen and quotation marks to provide a level of differentiation versus the longtime Denver area ham/balloon group EOSS. And to that end, mission numbers are written out instead of using numerals.
There isn't a real website yet but there is an email list and photos posted at

http://groups.yahoo.com/group/ES-OS_Launch/

So far we've had six official flights (including a small 2100 cubic foot bag which flew as EOSS 55, thusly does not have an "ES-OS" mission designation), with smorgasbord of successes and 'learning opportunities' thrown at us so far.
Our biggest bragging rights to date come from the 28000 cubic foot bag which we flew to over 107k feet on August 11. The recent "ES-OS FIVE" mission attempt was a 14000 cubic foot bag slated to hoist a 40 lb 3'x3'x6' gondola but alas we had gusty winds during the fill and the balloon was destroyed (with 56 lbs bouyancy (!)) before we could launch it.
This coming Saturday we are going to fly a 10000 cubic foot bag with a small tracker and TNC package out of Denver. Right now things look favorable that we'll be able to do a 505 mile range EBBE attempt with the NSTAR group which is launching out of Treynor IA. If all works as planned (hahahaha!), the "ES-OS" balloon should float between 95k and 100k feet for a goodly amount of time before we cut it down. One of the "ES-OS" members just bought a near-200 mph capable plane so if the balloon is floating good and the winds are moving fast at that altitude, we may 'let it run' to the east some ways before sending the cut down.
I'll need to check the flight prediction to see if it's possible for you to reach the TNC on "SIX" after it ascends and floats to the east a bit. If you are into packet radio, you (and all hams) are invited to listen/transmit on 144.34 to reach the "SIX" TNC when it is up high. Unlike latex balloons, properly performing plastic zero-pressure balloons can give

hours of loiter at max altitude. Join up the "ES-OS"
email list for details as they are available.

Congrats on your recent flight, I particularly liked
the photo of the pre-filled balloon, which beats the
heck out of dragging out a heavy helium bottle to your
launch site.

- KMC kc0jhq

--- Harry M <harrymue@...> wrote:
>
> What does ES-OS stand for and is there a website?
>
> Harry
>
>
>

_____
Do you Yahoo!?
Y! Web Hosting - Let the expert host your web site
http://webhosting.yahoo.com/

4921. NSTAR and ES-OS EBBE

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-28 21:47:30 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4921 Message: 4921

Saturday morning, NSTAR and ES-OS will attempt a EBBE
communications. Is anyone planning to listen in?

Paul

4922. Re: [tvnsp] NSTAR and ES-OS EBBE

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-28 23:01:49 UTC
From: Harry M
Topic: 4921 Message: 4922

ORB-2 will not go this weekend so I can listen/talk during the dual launch. I'll be listening from Tulsa.
A new ORB-2 launch date will be posted soon.

Let it float! Let it float! Let it float!

Harry
KC5TRB

> Saturday morning, NSTAR and ES-OS will attempt a EBBE
> communications. Is anyone planning to listen in?
>
> Paul

4923. Re: [tvnsp] Re: [EOSS] ES-OS, Re: [EOSS] ES-OS

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-28 23:30:06 UTC
From: Harry M
Topic: 4917 Message: 4923

Hi Mark,

Thanks for the info. I have been to the group-site in the past.
I am now subscribed so's I won't miss any flights.

I will not fly ORB-2 this weekend so's I can follow your flight
and get my other dedicated partner back in town. As long as
you got it up there, let SIX float!!! I will watch for possibility
of the flight track to go further toward SW Mo. If it looks like
it will, I will head up toward Joplin.

Heh, Heh, I like the pre-fill method too. It does make me a little
nervous. Expecting the "BANG" somewhere along the 20 miles
to the launch site. :) Can't fill another with this method though.

I still have my 4 meter solar balloon in bag ready to have the
panels taped together. I would like to send a real cheap beacon
up on that one for a test flight.

Good luck on SIX!
Harry
KC5TRB

> Harry:
> "ES-OS" stands for 'Experimental Sub-Orbital Society'.
>
>
> Congrats on your recent flight, I particularly liked
> the photo of the pre-filled balloon, which beats the
> heck out of dragging out a heavy helium bottle to your
> launch site.
>
> - KMC kc0jhq
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>
>
> --- Harry M <harrymue@...> wrote:
> >
> > What does ES-OS stand for and is there a website?
> >
> > Harry
> >
> >
> >
>
>
> _____
> Do you Yahoo!?
> Y! Web Hosting - Let the expert host your web site
> http://webhosting.yahoo.com/
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
>

4924. Re: [KNSP] first

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-28 23:52:25 UTC
From: Zack Clobes
Topic: 4924 Message: 4924

You (and the rest of the group(s) for that matter) really should check out www.openoffice.org. It's a totally free, open-source office project that is very impressive. I've been using this and its precursor for several months now and overall like it. There's a few gotchya's when you really dig deep, but handles most Word docs, Excel spreadsheets, PowerPoint presentations, etc very well.

We've been using the presentation software at work since January on a PC that runs marketing stuff 24/7. We tried PowerPoint but it would crash at least once a week. We switched to this and it's been running for six months with only about two reboots and they were due to power loss.

Sorry for getting a little off-topic...

Zack Clobes, W0ZC
Project: Traveler
www.rckara.org/

----- Original Message -----
From: "arvidks" <rdavis@...>
To: <KNSP@yahoogroups.com>
Sent: Monday, October 28, 2002 12:54 PM
Subject: [KNSP] first

> Since I don't use Word, and never will, I have to read
> others responses to Paul's message.
>
> The first voice repeater I remember was on a balloon launched
> from the Salina KS airport in the summer or fall of 1994.
>
> Rob Kelly, N0SMR built the repeater and it bore his call
> sign. He used the original Radio Shack IC so it would
> listen for ten seconds then transmit for ten seconds.
>
> Several of the other Salina hams were involved, and the
> repeater was on two meters. I don't know the exact date
> or simplex frequency used.
>
>
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>

4925. Re: [tvnsp] TV02G and H

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-29 03:19:33 UTC
From: Stephanie Steele
Topic: 2 Message: 4925

The next date that I have where I could be involved in a flight would be November 9. After that my work schedule will prevent me from participating until December 14.

Also, I am still waiting on my thermochrons from the supplier. They are coming via snail. He left 2 months ago, should be here any year.

Stephanie

verhap@... wrote:
> > Any info on a revised date for TV02H?
>
> Yes, or at least, TV02G.
>
> I'll order a 1500 gram balloon today. In a week or two, it should be
> here (The Pony Express arrives on Thursdays, right?).
>
> The flight computer in TV02G had three errors.
>
> A. The the preflight loop, where we get a ten minute countdown,
> was instead set to a 0 minute count down.
>
> B. The GPS reciever was not programmed to send the PGRMV
> sentence. Therefore, the flight computer would lock up waiting for
> it. Actually, this presents another problem, as I coded a timeout in
> the program. Why the timeout didn't work, I don't know. More
> work to do on that one. The other GPs was programmed to send
> the PGRMV sentence. I switched the recievers out, not realizing
> this. Both recievers now send the PGRMV sentence. Now they
> are logically and physically identical
>
> C. The launch photograph routine didn't take into account if the
> capsule was out of preflight mode. Therefore, as soon as it jumped
> out of the countdown, it would take a photograph. This is a
> problem, because without the countdown delay, there's no time for
> the GPS to get a position fix.
>
> All three problems have been corrected. I ran the capsule last
> night and watched it move out of preflight mode properly.
>
> So, who wants to fly first? Jeff and Stephanie both have capsules
> they could launch. There's a 350 gram balloon somewhere coming
> our way that would work for Jeff's capsule. I have experiments I
> want to fly on the 1500 gram balloon. I supose there's no reason
> everyone's capsule couldn't go up on it. We wouldn't make
> 100,000 that way, but you may not feel that's a problem.

>
> So two balloons, two flights.
>
> Paul
>
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> <http://rd.yahoo.com/M=212804.2460941.3878106.2273195/D=egroupweb/S=1705083281:HM/A=810373/R=1/*http://geocities.yahoo.com/ps/info?.refer=blrecs>
>
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
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> <http://docs.yahoo.com/info/terms/>.

--
Stephanie

****

Friends are quiet angels who lift us to our feet when our wings have
trouble remembering how to fly.

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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de recta non tolerandum sunt

4926. No 350 gram balloon.

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-29 04:16:55 UTC
From: Jeff Melanson
Topic: 4926 Message: 4926

John the elder,

I called Paul at Kaymont today and the balloon was never shipped. Paul said there are two reasons for this. The first is that the Military is there highest priority right now. The second is short supply. The short supply is caused by the West coast walkout. I told him to cancel the order for now. I think you should call Kaysam and see what they can do. It was my impression that the original plan for the balloon was to fly Paul's capsule on a short flight from Valley View. I'm not sure what the current plan is. I don't know if I can commit to flying my capsule in the near future due to other happenings. Perhaps this should be discussed at Friday's meeting. Are you planning on being at that meeting? I may be able to come to the meeting. What is the agenda for the meeting?

Jeff
KD7INN

4927. Re: [tvnsp]

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-29 04:36:39 UTC
From: Harry M
Topic: 4927 Message: 4927

Hey Hank,

I tried to send you an email twice and it bounced back both times.
Is your mail box full?

Harry

4928. Re: email bounce

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-29 05:23:24 UTC
From: Hank
Topic: 4927 Message: 4928

> I tried to send you an email twice and it bounced
> back both times.
> Is your mail box full?

Harry,

Yes, I've been off the internet for about 5 days.
Please use this one that isn't as prone to overflow:

n1ltv@...

Otherwise, I like the yahoo one better, that's why
I keep it.

Hank

4929. 350g balloons

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-29 16:49:37 UTC
From: n9xtn@cox.net
Topic: 4929 Message: 4929

Kaymont seems to be stocking 350s - I got mine delivered last week. They're US-manufactured, so you don't have to worry about the inventory being stuck on a boat off Long Beach.

However, their 350s will likely go higher than Kaysam's 350s.

- Mark

4930. (Fwd) Fwd: Re: NSTAR 02-F ...."ES-OS SIX" EBBE

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-29 20:25:03 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4930 Message: 4930

Is anyone interested in trying?

Paul

Paul:
note the map that Ralph Wallio put together.
It looks like we're gonna be short of hitting your
QTH. Note also, because I have added some equipment
to the flight, predicted float is now around 93k feet.

I'd be honored if the TVNSPians listen on the flight,
but don't think it's too probable to get signal.
However, if someone there has a hill top location,
correctly pointed beam, and gets the blessing of tropo
ducting (have no idea if balloon payload signals can
be tropoducted) well then maybe it's possible.
720-333-2248 is my cell number if you or any TVNPSians
want update morning of the flight.

- KMC

Note: forwarded message attached.

_____
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http://hotjobs.yahoo.com/

4931. [tvnsp] (Fwd) Fwd: Re: NSTAR 02-F ...."ES-OS SIX" EBBE

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-29 20:58:41 UTC
From: Randy Farley
Topic: 4930 Message: 4931

I would love to try from one of our Hill tops if we don't get too much snow by then. I've got a portable 4-element quad for such occassions.

>>> verhap@... 10/29/02 01:25PM >>>
Is anyone interested in trying?

Paul

Paul:
note the map that Ralph Wallio put together.
It looks like we're gonna be short of hitting your
QTH. Note also, because I have added some equipment
to the flight, predicted float is now around 93k feet.

I'd be honored if the TVNSPians listen on the flight,
but don't think it's too probable to get signal.
However, if someone there has a hill top location,
correctly pointed beam, and gets the blessing of tropo
ducting (have no idea if balloon payload signals can
be tropoducted) well then maybe it's possible.
720-333-2248 is my cell number if you or any TVNPSians
want update morning of the flight.

- KMC

Note: forwarded message attached.

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4932. Re: [tvnsp] (Fwd) Fwd: Re: NSTAR 02-F ...."ES-OS SIX" EBBE

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-30 01:05:15 UTC
From: John Knapp
Topic: 4930 Message: 4932

Squaw Butte or Initial Point would be good places to
try from.

JohnK
--- Randy Farley <rfarley@...> wrote:
> I would love to try from one of our Hill tops if we
> don't get too much snow by then. I've got a
> portable 4-element quad for such occassions.
>
>
>
> >>> verhap@... 10/29/02 01:25PM >>>
> Is anyone interested in trying?
>
> Paul
>
> Paul:
> note the map that Ralph Wallio put together.
> It looks like we're gonna be short of hitting your
> QTH. Note also, because I have added some
> equipment
> to the flight, predicted float is now around 93k
> feet.
>
> I'd be honored if the TVNSPians listen on the
> flight,
> but don't think it's too probable to get signal.
> However, if someone there has a hill top location,
> correctly pointed beam, and gets the blessing of
> tropo
> ducting (have no idea if balloon payload signals can
> be tropoducted) well then maybe it's possible.
> 720-333-2248 is my cell number if you or any
> TVNPSians
> want update morning of the flight.
>
> - KMC
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> Note: forwarded message attached.
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http://autos.yahoo.com

4933. Meeting Agenda

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-30 01:09:20 UTC
From: John Knapp
Topic: 4926 Message: 4933

Several items of discussion for the next meeting:

1. Balloon launch dates
2. Who can launch when
3. The ES-OS Six launch
4. Launch organization

Anything else, I know I am missing something.

Don't forget, the meeting is in Ontario at the Sizzler
resturant.

JohnK

_____
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4934. Welcome new members

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-30 04:12:40 UTC
From: K7JPS - John
Topic: 4934 Message: 4934

I would like to welcome two new members to the TVNSP e-mail list. Both Ben and David saw Paul's picture in the December issue of Sky and Telescope, so I guess that it has hit the news stands. I'm sure that if Mike can view web stats on the sight that we will be receiving a lot of hits because of the photo.

I encourage Ben and David to come out to our meeting this Friday and get better acquainted with us. We will be meeting this Friday at the Sizzler in Ontario at 6:30pm.

John the younger
K7JPS

4935. Re: Welcome new members

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-30 04:20:18 UTC
From: jiminy_cricket41
Topic: 4934 Message: 4935

Thanks for the welcome! I'm extremely interested in all the
work that's going on with this program, and am excited to be
a part of it. I don't know if I can make it to the
meeting this friday or not, but I'll try.

again, thanks, and I look forward to being a part of this!

David

--- In tvnsp@y..., "K7JPS - John" <k7jps@r...> wrote:
> I would like to welcome two new members to the TVNSP e-mail list.
Both Ben
> and David saw Paul's picture in the December issue of Sky and
Telescope, so
> I guess that it has hit the news stands. I'm sure that if Mike can
view web
> stats on the sight that we will be receiving a lot of hits because
of the
> photo.
>
> I encourage Ben and David to come out to our meeting this Friday
and get
> better acquainted with us. We will be meeting this Friday at the
Sizzler in
> Ontario at 6:30pm.
>
> John the younger
> K7JPS

4936. Re: [tvnsp] Meeting Agenda

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-30 14:43:57 UTC
From: Randy Farley
Topic: 4926 Message: 4936

Date and Time?

Also i have been playing with the "Packet Terminal" part of
Balloon Track. If we have time i might be able to demo
it a little. I recommend everyone read the new manual Rick, N0KKZ released.
This is another tool we need to be using next season in my opinion. His last flight was was accurate to within
2 miles (actual vs predicted) by adjusting to real time ascent data!

>>> kd7hgs@... 10/29/02 06:09PM >>>
Several items of discussion for the next meeting:

1. Balloon launch dates
2. Who can launch when
3. The ES-OS Six launch
4. Launch organization

Anything else, I know I am missing something.

Don't forget, the meeting is in Ontario at the Sizzler
resturant.

JohnK

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4937. Re: [tvnsp] Meeting Agenda

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-30 14:52:44 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4926 Message: 4937

I'd like to bring the two flight computers from the last flight and run
a test. So please, someone, bring an APRS tracker.

Paul

> Date and Time?
>
> Also i have been playing with the "Packet Terminal" part of
> Balloon Track. If we have time i might be able to demo
> it a little. I recommend everyone read the new manual Rick, N0KKZ released.
> This is another tool we need to be using next season in my opinion. His last flight was
was accurate to within
> 2 miles (actual vs predicted) by adjusting to real time ascent data!
>
>
>
>
>
> >>> kd7hgs@... 10/29/02 06:09PM >>>
> Several items of discussion for the next meeting:
>
> 1. Balloon launch dates
> 2. Who can launch when
> 3. The ES-OS Six launch
> 4. Launch organization
>
> Anything else, I know I am missing something.
>
> Don't forget, the meeting is in Ontario at the Sizzler
> resturant.
>
> JohnK
>
> _____
> Do you Yahoo!?
> HotJobs - Search new jobs daily now
> http://hotjobs.yahoo.com/
>
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> To unsubscribe from this group, send an email to:
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>

4938. Re: [tvnsp] (Fwd) Fwd: Re: NSTAR 02-F ...."ES-OS SIX" EBBE

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-30 14:51:00 UTC
From: Randy Farley
Topic: 4930 Message: 4938

Yes,but we may need snowmobiles by then ;)

>>> kd7hgs@... 10/29/02 06:05PM >>>
Squaw Butte or Initial Point would be good places to
try from.

JohnK
--- Randy Farley <rfarley@...> wrote:
> I would love to try from one of our Hill tops if we
> don't get too much snow by then. I've got a
> portable 4-element quad for such occassions.
>
>
>
> >>> verhap@occ1.sd01.k12.id.us 10/29/02 01:25PM >>>
> Is anyone interested in trying?
>
> Paul
>
> Paul:
> note the map that Ralph Wallio put together.
> It looks like we're gonna be short of hitting your
> QTH. Note also, because I have added some
> equipment
> to the flight, predicted float is now around 93k
> feet.
>
> I'd be honored if the TVNSPians listen on the
> flight,
> but don't think it's too probable to get signal.
> However, if someone there has a hill top location,
> correctly pointed beam, and gets the blessing of
> tropo
> ducting (have no idea if balloon payload signals can
> be tropoducted) well then maybe it's possible.
> 720-333-2248 is my cell number if you or any
> TVNPSians
> want update morning of the flight.
>
> - KMC
>
>
>
>
>

> Note: forwarded message attached.
>
>
> ---
> Do you Yahoo!?
> HotJobs - Search new jobs daily now
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http://autos.yahoo.com

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4939. Sky and Telescope

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-30 14:54:42 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4926 Message: 4939

I haven't recieved my issues of S&T yet. The magazine said they'd send me a couple of copies. I'm upset that others are getting their's before I get mine. although, this seems typical of magazines.

Sky and Telescope publishes each issue just over a month before the issue's date.

Paul

4940. Re: [tvnsp] Meeting Agenda

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-30 14:54:51 UTC
From: Randy Farley
Topic: 4926 Message: 4940

Can Do.
Might be a perfect test for BT Packet Terminal too.

>>> verhap@occ1.sd01.k12.id.us 10/30/02 07:52AM >>>
I'd like to bring the two flight computers from the last flight and run
a test. So please, someone, bring an APRS tracker.

Paul

> Date and Time?
>
> Also i have been playing with the "Packet Terminal" part of
> Balloon Track. If we have time i might be able to demo
> it a little. I recommend everyone read the new manual Rick, N0KKZ released.
> This is another tool we need to be using next season in my opinion. His last flight was
was accurate to within
> 2 miles (actual vs predicted) by adjusting to real time ascent data!
>
>
>
>
>
> >>> kd7hgs@yahoo.com 10/29/02 06:09PM >>>
> Several items of discussion for the next meeting:
>
> 1. Balloon launch dates
> 2. Who can launch when
> 3. The ES-OS Six launch
> 4. Launch organization
>
> Anything else, I know I am missing something.
>
> Don't forget, the meeting is in Ontario at the Sizzler
> resturant.
>
> JohnK
>
> _____
> Do you Yahoo!?
> HotJobs - Search new jobs daily now
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4941. ORB-2 New Launch Date

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-31 15:27:09 UTC
From: Harry M
Topic: 4941 Message: 4941

ORB-2 New Launch Date

ORB-2 launch on Sat. Nov. 2 has been moved to Sat. Nov. 9.
Backup date is Sun. Nov. 10.

This will be 2-3ft balloons with a micro-beacon on 147.455.
Tracking will be DF only.
Altitude - UNK
Burst - UNK

Launch site will be determined on either Thur. Nov 7 or Fri. Nov. 8
and will be from within a 25 mile radius of Tulsa, Oklahoma.

73
Harry - KC5TRB

4942. flight annoucement "ES-OS SIX" 6:30 am Denver, Sat Nov 2 launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-10-31 21:31:06 UTC
From: K. Mark Caviezel
Topic: 4942 Message: 4942

All:
The Experimental Sub-Orbital Society flight SIX ("ES-OS SIX") is slated for launch at 6:30 am MST on Saturday November 2. What started as a simple fun flight is shaping up to be pretty interesting as we'll be attempting to do a 500 mile range EBBE (Earth-Balloon-Balloon-Earth) digital link on 144.34 MHz. The other balloon will be launched from near Omaha, NE by the NSTAR ham/ballooning group.
The balloons should be able to talk to each other as soon as they are both at or above 50k feet. I have had indications from hams in Idaho and Tulsa they'll be listening in. Both groups are a ways beyond the predicted footprint, but heck, with good conditions and a beam antenna it is possible that those locations may be able to hit the balloon.
There has been some weight growth in the payloads so predicted float altitude is now about 92-93k feet.
Plan is for a dawn (6:30 am MST) launch from Sloan's Lake Park in Denver, CO. The launch will be from adjacent to the boat ramp near 25th and Sheridan.
All interested parties are invited to watch and participate in the launch.

The launch will use a single T bottle to get about 35% free lift into the 10k cubic foot polyethelene bag. The ascent and float are both predicted to be pretty much eastwards from the launch site. The winds are predicted at 97 mph in the jet stream near 39k feet and 63 mph winds at the float altitude.

Manifest:
N7QAM-11 "Skypumpkin" TNC package on 144.34 Mhz. node= BALLOO, digi = SIX. 3db twin lead jpole and 5 watts of power to reach out to the NSTAR payload.

KC0JHQ-11 APRS tracker on 144.39 MHz, one beacon per minute. This is running without DCD and may get QRMed in the Denver vicinity, but should give us good i-gating and coverage when we are out east of Denver.

Command cutdown on UHF and 3 hr timer back up.

This will be a test flight of the 'blow-top' method of flight termination.

Since the TNC and the tracker need at least ten feet
separation we'll be
unable to do a test launch from the white truck.
Launch and tracking persons will use the 449.225 MHz
Thorodin mountain repeater for communication.

Persons from out of the area can reach me at
720-333-2248 for launch status, however,
http://www.findu.com/cgi-bin/find.cgi?call=kc0jhq-11
should make it evident how the flight is going.

Air tracking is *go* for this flight, but alas the
pilot doesn't yet have enough time in the aircraft to
fly passengers so I will be tracking/controlling the
flight from the ground. If anyone wants to ride
along with me, they're welcome to do so.
Also, if anyone in the Denver area wants to help out
with launch, let me know. The launch site is near
Sloan's lake, about a mile west of Mile Hi Stadium.

The coverage map for the balloon packages is at

http://photos.groups.yahoo.com/group/es-os_launch/vwp?.dir=/ES-OS+SIX&.src=gr&.dnm=SIX_EBBE.gif&.view=t&.done=http%3a//photos.groups.yahoo.com/group/es-os_launch/lst%3f%26.dir=/ES-OS%2bSIX%26.src=gr%26.view=t

and if that long URL doesnt work, go to

http://photos.groups.yahoo.com/group/ES-OS_Launch

sign in, then go to the photos section, then the SIX
folder.

Nominal flight: 700-800 foot/min ascent will take
about 2 hrs to reach 92000 feet. This will take the
balloon to about 60 miles east of Denver. Then, a one
hour float will take us an additional 60 miles
eastward.
If winds are higher than anticipated I may send the
cut down command early.

- KMC kc0jhq

_____
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4943. Product

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-01 14:14:49 UTC
From: Randy Farley
Topic: 4943 Message: 4943

Here is a new GPS coming to your nearest Radio Shack.
Internal or external power (6v) , 16 Channel, <75mA consumption, price 99.95.!!

Comments please.

http://www.radioshack.com/product.asp?catalog_name=CTLG&category_name=CTLG_001_003_000_000&product_id=20-1601

regards,

Randy
N7GPS

4944. StreetFinder GPS

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-01 15:07:41 UTC
From: Harry M
Topic: 4944 Message: 4944

Has anyone hacked the StreetFinder GPS for the PalmIII?
I have two of them and before I tear into them I thought I'd ask.

Harry

4945. Comic

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-01 17:17:00 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4945 Message: 4945

Occasionally I read the Red Meat strip. Here's one I enjoyed.

http://www.redmeat.com/redmeat/1997-04-21/index.html

Paul

4946. Re: [tvnsp] Comic

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-01 17:45:13 UTC
From: Randy Farley
Topic: 4945 Message: 4946

I guess i will never let you babysit my Ferret ;))

>>> verhap@...01.k12.id.us 11/01/02 10:17AM >>>
Occasionally I read the Red Meat strip. Here's one I enjoyed.

http://www.redmeat.com/redmeat/1997-04-21/index.html

Paul

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4947. Leonids

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-01 19:06:48 UTC
From: John Knapp
Topic: 4945 Message: 4947

Several good articles on the Leonids meteor shower
this month:

http://www.space.com/leonids/

http://story.news.yahoo.com/news?tmpl=story2&cid=96&ncid=753&e=10&u=/space/20021101/sc_space/leonids_lowdown__global_forecast_for_nov__19_meteor_shower

JohnK

Do You Yahoo!?
Yahoo! Autos - Get free new car price quotes
http://autos.yahoo.com

4948. Leonids

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-01 19:55:26 UTC
From: John Knapp
Topic: 4945 Message: 4948

Several good articles on the Leonids meteor shower
this month:

http://www.space.com/leonids/

http://story.news.yahoo.com/news?tmpl=story2&cid=96&ncid=753&e=10&u=/space/20021101/sc_space/leonids_lowdown__global_forecast_for_nov__19_meteor_shower

JohnK

Do You Yahoo!?
Yahoo! Autos - Get free new car price quotes
http://autos.yahoo.com

4949. Meeting Minutes 11/1/02

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-02 05:25:19 UTC
From: Mike Garske
Topic: 4949 Message: 4949

The meeting went well tonight, we discussed what the next couple months might bring as far as the groups activities.
Here's a quick run down on the agenda until the end of the year:

November 14th - Flight Readiness Review for TV02H - holding it at Mike's house at 6:00pm in Meridian. If you need directions, email me on the list or kc7dpd@...

November 16th - TV02H - 1500g Kaysam Balloon. Launch around 8 or 9am MST.

November 23rd -----Backup date for TV02H----------

December 14th - The Year In Review - Potluck at John & Debbie's house in Meridian - Bring something to eat and be ready to discuss next years plans for TVNSP launches.

Lets get a role call of all that can make these dates, or if we have to make adjustments. There will be minutes of the meeting taken and posted to the email list of all these meetings. Hope to see you all there!

Mike KC7DPD
www.tvnsp.org

4950. For Justin KD7PIT

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-02 05:28:53 UTC
From: Mike Garske
Topic: 4950 Message: 4950
Attachments: 1 described; binary payloads are missing from this source WARC

Here's the URL, the GPS coordinates and directions are on here.....I will be listening on the 147.240 for you tomorrow morning.

Mike KC7DPD

Your files are attached and ready to send with this message.

4951. Re: [tvnsp] Meeting Minutes 11/1/02

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-02 06:22:20 UTC
From: Bill Herrmann
Topic: 4949 Message: 4951

At 10:25 PM 11/1/02 -0700, you wrote:
>Here's a quick run down on the agenda until the end of the year:

Thanks for the update. We weren't able to make it. (Obviously)

>Lets get a role call of all that can make these dates, or if we have to
>make adjustments.

Will have to double-check those with my social activities director.

Bill

4952. Sky and Telescope

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-02 21:50:05 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4112 Message: 4952

I finally went down to the book store and picked up a S&T. The photo is there! It's the last one in the Gallery section. Gallery is a gallery of amateur photographs.

Paul

4953. Near Space Calendar

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-03 19:27:34 UTC
From: pverhage1960
Topic: 3447 Message: 4953

Walmart makes calendars with photographs you give them. The cost is $19.98. Is anyone interested in geeting a calendar with photos taken by TVNSP? We'll need 12 photographs and need to select which month each photograph is made into. We cannot add text to the photos, they just print them as they are.

Let me if you're interested. If you have a photo to contribute, let me know.

Paul

4954. Re: [tvnsp] Meeting Minutes 11/1/02

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-04 02:18:38 UTC
From: Mike Manes
Topic: 4949 Message: 4954

Hi,
EOSS-61 & -62 are scheduled to launch from near Ft Collins CO on 11/16 at 0845 and 0930 MST. The KPC-3-equipped APRS module will run on 445.975 on EOSS-61, which is the input freq for the EOSS/RMRL crossband repeater with APRS downlink on 147.555 MHz. The fact of 70 cm for the APRS module does impair the possibility of an EBBE QSO, but one does remain.
73 de Mike W5VSI, EOSS

> Mike Garske wrote:
>
> The meeting went well tonight, we discussed what the next couple
> months might bring as far as the groups activities.
> Here's a quick run down on the agenda until the end of the year:
>
>
> November 14th - Flight Readiness Review for TV02H - holding it at
> Mike's house at 6:00pm in Meridian. If you need directions, email me
> on the list or kc7dpd@...
>
> November 16th - TV02H - 1500g Kaysam Balloon. Launch around 8 or 9am
> MST.
>
> November 23rd -----Backup date for TV02H----------
>
>
> December 14th - The Year In Review - Potluck at John & Debbie's house
> in Meridian - Bring something to eat and be ready to discuss next
> years plans for TVNSP launches.
>
> Lets get a role call of all that can make these dates, or if we have
> to make adjustments. There will be minutes of the meeting taken and
> posted to the email list of all these meetings. Hope to see you all
> there!
>
>
> Mike KC7DPD
> www.tvnsp.org
>
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--
Mike Manes manes@... Tel: 303-979-4899
"Things should be made as simple as possible, but not more so." A.
Einstein

4955. Mark's High Altitude Photo

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-04 14:47:55 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4955 Message: 4955
Attachments: 2 described; binary payloads are missing from this source WARC

I'm attaching a photograph that Mark conner's capsule took this weekend at 100,000 feet. Now I'm jealous!

Paul

4956. Re: [tvnsp] Product

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-04 14:38:28 UTC
From: Stephanie Steele
Topic: 4943 Message: 4956

Hi Randy,

I don't find any informationa about what sentences it outputs. This
would be critical for our uses. I'd love to know what engine is in it.

Stephanie

Randy Farley wrote:
> Here is a new GPS coming to your nearest Radio Shack.
> Internal or external power (6v) , 16 Channel, <75mA consumption, price
> 99.95.!!
>
> Comments please.
>
> http://www.radioshack.com/product.asp?catalog_name=CTLG&category_name=CTLG_001_003_000_0
00&product_id=20-1601
> <http://www.radioshack.com/product.asp?catalog_name=CTLG&category_name=CTLG_001_003_000_
000&product_id=20-1601
> >
>
>
>
> regards,
>
> Randy
> N7GPS
>
>
>
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>
>
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--
Stephanie

****

Friends are quiet angels who lift us to our feet when our wings have
trouble remembering how to fly.

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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4957. Re: [tvnsp] Product

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-04 14:56:20 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4943 Message: 4957

It almost certainly has to send NMEA standard sentences. We
need to know the engine and determine if it will output data in near
space. Some GPS receivers stopped outputting above 60,000 feet.

Paul

> I don't find any informationa about what sentences it outputs. This
> would be critical for our uses. I'd love to know what engine is in it.
>
> Stephanie
>
>
>
> Randy Farley wrote:
> > Here is a new GPS coming to your nearest Radio Shack.
> > Internal or external power (6v) , 16 Channel, <75mA consumption, price
> > 99.95.!!

4958. Northwest Super Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-04 15:00:56 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4958 Message: 4958

TVNSP is looking at hosting a Northwest Super Launch (NWSL)
this spring. We are encouraging everyone in the Pacific northwest
to built a near space capsule and come to Oregon/Idaho to launch
and recover it. We'll reserve a campground in Oregon to launch
crews and arrange for mission control at Bruneau Dunes, an Idaho
state park.

Please contact us if you are interested in participating. You don't
even have to have a balloon to join in!!

Paul

4959. Book Update

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-04 15:12:14 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4959 Message: 4959
Attachments: 2 described; binary payloads are missing from this source WARC

I've added another seven pages to my book. I'm sending a short article I wrote on Strato bowl and Explorer I and II that is going into the Go To Know section of my book.

Enjoy.

Paul

4960. High Altitude Photograph

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-04 15:23:51 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4960 Message: 4960
Attachments: 2 described; binary payloads are missing from this source WARC

Mark Conner in Nebraska launched a balloon this weekend. His capsule returned this photograph from 100,000 feet. Talk about wow!

Paul

4961. Next Flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-04 15:29:34 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4961 Message: 4961

I need the parachute back. I think John the younger has it. I'd like to make a new parachute ring for it. The current one is difficult to remove from the shroud lines, making untangling it a chore that it shouldn't be.

I made a new set of winders out of PVC like Mark Conner recommended. I have some extra PVC pipe. If anyone would like to make a set of lanyard winders, I'll give you the pipe and the bottle of glue. You'll need to purchase the following,

Four 1/2" PVC caps
Eight 1/2" PVC T's

All together, it should set you back about $3.

Oh, and you'll need some nylon line for your lanyards.

I need to get some help with rewinding my lanyards. I need to get the twist out of the line. Can I arrange to use someone's yard and extra set of hands?

Paul

4962. Razor Cutters

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-04 15:30:56 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4962 Message: 4962

Oops, I forgot one more item. I need three razor cutters for the lanyards. John, did you say you had some extras? If you don't have three, can you tell me where you purchased them?

Paul

4963. Re: [tvnsp] Product

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-04 15:37:36 UTC
From: Randy Farley
Topic: 4943 Message: 4963

According to the spec. sheet is does. Just do a search on the
Radio Shack site. Not sure how it powers up. It may need a
hack like the old tripmate, i hope not. One idea already brought up on the national sig,"
how about putting a TT2 in the battery compartment".

>>> stephanie@... 11/04/02 07:38AM >>>
Hi Randy,

I don't find any informationa about what sentences it outputs. This
would be critical for our uses. I'd love to know what engine is in it.

Stephanie

Randy Farley wrote:
> Here is a new GPS coming to your nearest Radio Shack.
> Internal or external power (6v) , 16 Channel, <75mA consumption, price
> 99.95.!!
>
> Comments please.
>
> http://www.radioshack.com/product.asp?catalog_name=CTLG&category_name=CTLG_001_003_000_0
00&product_id=20-1601
> <http://www.radioshack.com/product.asp?catalog_name=CTLG&category_name=CTLG_001_003_000_
000&product_id=20-1601
> >
>
>
>
> regards,
>
> Randy
> N7GPS
>
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--
Stephanie

****

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trouble remembering how to fly.

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

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4964. Re: [tvnsp] Product

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-04 15:42:06 UTC
From: Randy Farley
Topic: 4943 Message: 4964

Oops, here is the maker and where to get the specs. http://www.valencesemi.com/products_product.asp?id=127 >>> stephanie@... 11/04/02 07:38AM >>> Hi Randy, I don't find any informationa about what sentences it outputs. This would be critical for our uses. I'd love to know what engine is in it. Stephanie Randy Farley wrote: > Here is a new GPS coming to your nearest Radio Shack. > Internal or external power (6v) , 16 Channel, <75mA consumption, price > 99.95.!! > > Comments please. > > > > > > > regards, > > Randy > N7GPS > > > > To unsubscribe from this group, send an email to: > tvnsp-unsubscribe@egroups.com > > > > Your use of Yahoo! Groups is subject to the Yahoo! Terms of Service > . -- Stephanie ********** Friends are quiet angels who lift us to our feet when our wings have trouble remembering how to fly. ********** "They that can give up essential liberty to obtain a little temporary safety deserve neither liberty nor safety." Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773. "Those who desire to give up freedom in order to gain security will not have, nor do they deserve, either one." President Thomas Jefferson. 1743-1826 ********** Send and receive money safely over the Internet by using PayPal. I use it and highly recommend it as a safe and reliable means to conduct business. By using the link below we both will receive a $5 sign up bonus. https://www.paypal.com/refer/pal=kc7dba%40arrl.net ********** The information contained in this e-mail message is private and confidential information intended only for the use of the individual or entity to whom it is addressed. If the reader of this e-mail message is not the intended recipient you are notified any disclosure, dissemination, distribution, copying or the taking of any action based upon the information contained in this message is strictly prohibited. de recta non tolerandum sunt To unsubscribe from this group, send an email to: tvnsp-unsubscribe@egroups.com Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

4965. Re: [tvnsp] Product

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-04 15:47:33 UTC
From: Randy Farley
Topic: 4943 Message: 4965

Here are some nice pictures, also courtesy of nat'l aprs sig
member.

http://www.gpspassion.com/Hardware/Reviews/pics/PICT0011.jpg

http://www.gpspassion.com/Hardware/Reviews/pics/PICT0010.jpg

http://www.gpspassion.com/Hardware/Reviews/pics/PICT0012.jpg

http://www.gpspassion.com/Hardware/Reviews/pics/PICT0013.jpg

regards

Randy Farley

>>> stephanie@... 11/04/02 07:38AM >>>
Hi Randy,

I don't find any informationa about what sentences it outputs. This
would be critical for our uses. I'd love to know what engine is in it.

Stephanie

Randy Farley wrote:
> Here is a new GPS coming to your nearest Radio Shack.
> Internal or external power (6v) , 16 Channel, <75mA consumption, price
> 99.95.!!
>
> Comments please.
>
> http://www.radioshack.com/product.asp?catalog_name=CTLG&category_name=CTLG_001_003_000_0
00&product_id=20-1601
> <http://www.radioshack.com/product.asp?catalog_name=CTLG&category_name=CTLG_001_003_000_
000&product_id=20-1601
> >
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> regards,
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> Randy
> N7GPS
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--
Stephanie

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****

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Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

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4966. Re: [tvnsp] Product

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-04 15:54:01 UTC
From: Harry M
Topic: 4943 Message: 4966

What about the Street Finder GPS for Palm III?
They can be had for $20-$60 on ebay.
Has anyone hacked these?

Harry
KC5TRB

It may need a hack like the old tripmate...

4967. Re: [tvnsp] Razor Cutters

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-04 15:57:49 UTC
From: Randy Farley
Topic: 4962 Message: 4967

What do you think of this type of cutter Paul.
Scroll down the page to the second from the bottom.
It is called a ring knife. We use them here at work.
Quite safe to use.

http://orchardvalleysupply.com/products/harvest/1.html

regards

Randy Farley

>>> verhap@... 11/04/02 08:30AM >>>
Oops, I forgot one more item. I need three razor cutters for the
lanyards. John, did you say you had some extras? If you don't
have three, can you tell me where you purchased them?

Paul

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4968. Re: [tvnsp] Razor Cutters

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-04 17:15:54 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4962 Message: 4968

It looks like the blade is more exposed than those in the seat belt
cutters.

Paul

> What do you think of this type of cutter Paul.
> Scroll down the page to the second from the bottom.
> It is called a ring knife. We use them here at work.
> Quite safe to use.

4969. NWSL

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-04 17:17:16 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4962 Message: 4969

Both Montana on Moscow are interested in the NWSL. I'll email
Bruneau Dunes next.

It may be better if we have NWSL in mid-May for the college folks.

Paul

4970. Bruneau Dunes

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-04 17:23:57 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3491 Message: 4970

I emailed Bruneau Dunes about NWSL. That reminded me, does the webpage mention Bruneau Dunes on the ISP launch report? Can we set up a link to the park?

Paul

4971. Near Space Definition

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-04 17:41:01 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4971 Message: 4971

In the past I wrote a short blurb on defining near space as those altitudes in excess of 75,000 feet. According to the FAI, space begins at 62.5 miles (100 km or 330,000 feet). So near space would be between 75,000 feet (my definition) and 330,000 feet (FAI definition). I'm now thinking of further divding near space.

There are three broad orbits around the Earth, low Earth orbit (LEO), middle Earth orbit (MEO), and geostationary Earth orbit (GEO). LEO tops out at about 1000 miles, MEO is around 10,000 miles, and GEO is around 22,000 miles. LEO is below and MEO above the worst part of the van Allen radiation belts (which is why you seldom see satellites between LEO and MEO).

The highest I've heard a balloon go is about 130,000 feet and most amateur near space flights don't make 100,000 feet. I was thinking about applying the LEO, MEO, and GEO terminology to near space. How does ythis sound to everyone?

Low near space is between 75,000 and 100,000 feet. Middle near space is between 100,000 and 130,000 (or the highest a balloon can rise) feet. High near space is between 130,000 feet and 330,000 feet.

This would mean balloons can make low and middle near space, but it takes a rocket to make high near space.

Another option is to take into account the altitude of the Mesosphere in the definition of high near space.

Any input?

By the way, I think I'll try to begin a 100k club for balloons that make middle near space.

Paul

4972. Re: [tvnsp] Product

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-04 17:42:34 UTC
From: Tim Rynearson
Topic: 4943 Message: 4972
Attachments: 1 described; binary payloads are missing from this source WARC

Paul,
It was believed that the GPS35 from Garmin wouldn't output above 60,000 feet, UNTIL one was flown on BOI. And the only reason they had the celing listed as such was that it had never been tested above that altitude.

Tim

-------Original Message-------

From: tvnsp@yahoogroups.com
Date: Monday, November 04, 2002 07:03:49 AM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] Product

It almost certainly has to send NMEA standard sentences. We
need to know the engine and determine if it will output data in near
space. Some GPS receivers stopped outputting above 60,000 feet.

Paul

> I don't find any informationa about what sentences it outputs. This
> would be critical for our uses. I'd love to know what engine is in it.
>
> Stephanie
>
>
>
> Randy Farley wrote:
> > Here is a new GPS coming to your nearest Radio Shack.
> > Internal or external power (6v) , 16 Channel, <75mA consumption, price
> > 99.95.!!

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4973. Re: [tvnsp] Northwest Super Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-04 17:45:37 UTC
From: Tim Rynearson
Topic: 4958 Message: 4973
Attachments: 1 described; binary payloads are missing from this source WARC

What happened to the idea of the NWSL originating at the sports complex here in Emmett ????

Tim

-------Original Message-------

From: tvnsp@yahoogroups.com
Date: Monday, November 04, 2002 07:05:48 AM
To: tvnsp@yahoogroups.com; nhabg@egroups.com
Subject: [tvnsp] Northwest Super Launch

TVNSP is looking at hosting a Northwest Super Launch (NWSL) this spring. We are encouraging everyone in the Pacific northwest to built a near space capsule and come to Oregon/Idaho to launch and recover it. We'll reserve a campground in Oregon to launch crews and arrange for mission control at Bruneau Dunes, an Idaho state park.

Please contact us if you are interested in participating. You don't even have to have a balloon to join in!!

Paul

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4974. Re: [tvnsp] Razor Cutters

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-04 17:51:15 UTC
From: Randy Farley
Topic: 4962 Message: 4974

True

The main idea of the ring knife is that it is always available on the back of your favorite finger. One quick swipe downward and your string is cut.

No fumbling for something on a tether. I Will have to experiment with it while winding and unwinding a line.

I will bring one for next meeting to compare.

They are not as common as the seat belt cutter for
another con. Also ring size another consideration.
You could split the ring and make one size fit all.

Randy

>>> verhap@... 11/04/02 10:15AM >>>
It looks like the blade is more exposed than those in the seat belt
cutters.

Paul

> What do you think of this type of cutter Paul.
> Scroll down the page to the second from the bottom.
> It is called a ring knife. We use them here at work.
> Quite safe to use.

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4975. Re: [tvnsp] Product

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-04 17:56:15 UTC
From: Randy Farley
Topic: 4943 Message: 4975

Harry

I Did some quick searches,but cannot find any documentation
yet. The McNally spec. site was down. Maybe have to
throw this one out to the aprs sig.

Price is great !!

Next step to search the tapr archives i guess.

Randy

>>> harrymue@... 11/04/02 08:54AM >>>

What about the Street Finder GPS for Palm III?
They can be had for $20-$60 on ebay.
Has anyone hacked these?

Harry
KC5TRB

It may need a hack like the old tripmate...

4976. RE: [tvnsp] Near Space Definition

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-04 18:17:57 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 4971 Message: 4976

While I don't really think I can contribute much to this particular discussion, other than to say that I don't see it as a bad idea to get some type of formal definition out there amongst the various balloon groups. That way, when the various teams meet, they'd have a generic definition they could use for presentations rather than having to specify the exact altitude parameters. We all know that if you say you're gonna go to 100,000 feet, you're as likely to hit 70,000 as 130,000. This way, you can specify what your target range is.

Also, I think the mesosphere has to be included in any formal definition. It's already a formal factor used globally, and any terms we try to establish as standards should leverage off existing terms if possible, rather than attempting to provide more terms for the same thing.

My other point brings up an interesting idea, one that I've not put much thought into, but what about using a balloon to get a rocket up high enough to hit high near space? Or for that matter, space.

Bill B.

4977. RE: [tvnsp] Near Space Calendar

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-04 18:22:18 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 3447 Message: 4977

You can also get cheap calendar software and do the same thing with full control over the whole process. If you're interested in doing this, this might be a more useful alternative, as you'd likely pay the same or close price once and be able to put out a calendar every year.

Bill B.

-----Original Message-----
From: pverhage1960 [mailto:verhap@...]
Sent: Sunday, November 03, 2002 12:28 PM
To: tvnsp@yahoogroups.com
Subject: [tvnsp] Near Space Calendar

Walmart makes calendars with photographs you give them. The cost is $19.98. Is anyone interested in geeting a calendar with photos taken by TVNSP? We'll need 12 photographs and need to select which month each photograph is made into. We cannot add text to the photos, they just print them as they are.

Let me if you're interested. If you have a photo to contribute, let me know.

Paul

4978. RE: [tvnsp] Meeting Minutes 11/1/02

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-04 18:25:00 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 4949 Message: 4978

I have a question that I've never seen asked nor discussed.

Is there a particular reason why all launches involve getting up before the sun to get to a launch location before the sun and to launch before the sun?

I'd be more willing to participate in the chases if they weren't so early. :-) :-P Or if I better understood the reason for always launching so early in the day.

Bill B.

4979. RE: [tvnsp] Near Space Calendar

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-04 18:28:35 UTC
From: Tim Rynearson
Topic: 3447 Message: 4979
Attachments: 1 described; binary payloads are missing from this source WARC

I already have at least three versions of such software.

Tim

-------Original Message-------

From: tvnsp@yahoogroups.com
Date: Monday, November 04, 2002 10:41:08 AM
To: 'tvnsp@yahoogroups.com'
Subject: RE: [tvnsp] Near Space Calendar

You can also get cheap calendar software and do the same thing with full control over the whole process. If you're interested in doing this, this might be a more useful alternative, as you'd likely pay the same or close price once and be able to put out a calendar every year.

Bill B.

-----Original Message-----
From: pverhage1960 [mailto:verhap@...]
Sent: Sunday, November 03, 2002 12:28 PM
To: tvnsp@yahoogroups.com
Subject: [tvnsp] Near Space Calendar

Walmart makes calendars with photographs you give them. The cost is $19.98. Is anyone interested in geeting a calendar with photos taken by TVNSP? We'll need 12 photographs and need to select which month each photograph is made into. We cannot add text to the photos, they just print them as they are.

Let me if you're interested. If you have a photo to contribute, let me know.

Paul

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4980. Re: [tvnsp] Product

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-04 19:20:45 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4943 Message: 4980

I knew a couple years ago that it would work. The GPS35 uses
the GPS25 engine. The GPS25 engine works above 60,000 feet,
bu the GPS20 engine doesn't (or didn't a couple years ago).

Garmin makes it very confusing.

Paul

> Paul,
> It was believed that the GPS35 from Garmin wouldn't output above 60,000
> feet, UNTIL one was flown on BOI. And the only reason they had the celing
> listed as such was that it had never been tested above that altitude.
>
> Tim
>
> -------Original Message-------
>
> From: tvnsp@yahoogroups.com
> Date: Monday, November 04, 2002 07:03:49 AM
> To: tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] Product
>
> It almost certainly has to send NMEA standard sentences. We
> need to know the engine and determine if it will output data in near
> space. Some GPS receivers stopped outputting above 60,000 feet.
>
> Paul
>
> > I don't find any informationa about what sentences it outputs. This
> > would be critical for our uses. I'd love to know what engine is in it.
> > >
> > > Stephanie
> > >
> > >
> > >
> > > Randy Farley wrote:
> > > > Here is a new GPS coming to your nearest Radio Shack.
> > > > Internal or external power (6v) , 16 Channel, <75mA consumption, price
> > > > 99.95.!!
>
>
>
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> .

4981. Re: [tvnsp] Northwest Super Launch

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-04 19:22:11 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4958 Message: 4981

It depends on the winds. The winds have always supported a
launch from Bully Creek. If the winds support Emmett, we'll try
there.

Paul

> What happened to the idea of the NWSL originating at the sports complex here
> in Emmett ????
>
> Tim
>
> -------Original Message-------
>
> From: tvnsp@yahoogroups.com
> Date: Monday, November 04, 2002 07:05:48 AM
> To: tvnsp@yahoogroups.com; nhabg@egroups.com
> Subject: [tvnsp] Northwest Super Launch
>
> TVNSP is looking at hosting a Northwest Super Launch (NWSL)
> this spring. We are encouraging everyone in the Pacific northwest
> to built a near space capsule and come to Oregon/Idaho to launch
> and recover it. We'll reserve a campground in Oregon to launch
> crews and arrange for mission control at Bruneau Dunes, an Idaho
> state park.
>
> Please contact us if you are interested in participating. You don't
> even have to have a balloon to join in!!
>
> Paul
>
>
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4982. RE: [tvnsp] Near Space Definition

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-04 19:26:30 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4971 Message: 4982

> My other point brings up an interesting idea, one that I've not put much
> thought into, but what about using a balloon to get a rocket up high enough
> to hit high near space? Or for that matter, space.

Because of the reduced air pressure and drag, a rocket launched
at 100,000 feet would travel about 2.5 times higher than launched
at sea level (according to a simulation run by the high power
rocketry group in Boise).

There's several issues to be resolved before attempting this, but I'd
like to give it a try before long. It's definitely a topic for my second
book (which I have outlined already).

Paul

4983. RE: [tvnsp] Meeting Minutes 11/1/02

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-04 19:28:47 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4949 Message: 4983

It boils down to one factor, wind. We launch early to give us the
greatest chance of avoiding winds. Two benefits are that it gives a
longer period of time to recover the balloon and let's us recover by
lunch time.

Paul

> I have a question that I've never seen asked nor discussed.
>
> Is there a particular reason why all launches involve getting up before the
> sun to get to a launch location before the sun and to launch before the sun?
>
> I'd be more willing to participate in the chases if they weren't so early.
> :-) :-P Or if I better understood the reason for always launching so early
> in the day.
>
> Bill B.
>
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4984. RE: [tvnsp] Meeting Minutes 11/1/02

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-04 19:45:27 UTC
From: John Knapp
Topic: 4949 Message: 4984

Has to do with wind conditions. We discovered early on
that if there is to be a wind, it generally starts at
or a short time after sunrise. We have tried later
launches and on some occasions have had troubles.

JohnK
KD7HGS

--- "BLOHM,BILL (HP-Boise,ex1)" <bill_blohm@...>
wrote:
> I have a question that I've never seen asked nor
> discussed.
>
> Is there a particular reason why all launches
> involve getting up before the
> sun to get to a launch location before the sun and
> to launch before the sun?
>
> I'd be more willing to participate in the chases if
> they weren't so early.
> :-) :-P Or if I better understood the reason for
> always launching so early
> in the day.
>
> Bill B.
>

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http://hotjobs.yahoo.com/

4985. Salaries at Micron (for Mike)

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-04 21:38:54 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4985 Message: 4985

Mike, can you email me some info on salaries at Micron?

I have a student who is interested in his salary at Micron if he gets an AS in Electronics Technology at BSU? After he gets a job with Micron, how much of his education does Micron pay?

Then, what's the pay scale like for him with a BS and a MS?

Thanks, we just need general numbers.

Paul

4986. RE: [tvnsp] Meeting Minutes 11/1/02

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-04 22:41:40 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 4949 Message: 4986

To be honest, I was afraid you'd say that!

Bill B.

-----Original Message-----
It boils down to one factor, wind. We launch early to give us the
greatest chance of avoiding winds. Two benefits are that it gives a
longer period of time to recover the balloon and let's us recover by
lunch time.

Paul

> I have a question that I've never seen asked nor discussed.
>
> Is there a particular reason why all launches involve getting up before
the
> sun to get to a launch location before the sun and to launch before the
sun?
>
> I'd be more willing to participate in the chases if they weren't so early.
> :-) :-P Or if I better understood the reason for always launching so early
> in the day.
>
> Bill B.

4987. Flight Computer

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-05 02:33:05 UTC
From: aerobotics58
Topic: 4987 Message: 4987

Paul -

Does your Basic Stamp Flight computer program detect specific altitudes in the NMEA string? I have a nearly complete collection of items needed to return a glider to my desired Launch point. I don't want a lot of down range drift though. I'm hoping you can help me write a program for my Stamp that will allow me to activate my cutdown device once I have gotten to a specific altitude. My early testing will be dropped from about a mile up from an RC Aircraft. after that though, I would like some preliminary drops from a 25,000 to 40,000 altitude. Before it gets in the Jet stream. After that..... I guess it depends on how it all works and whether it actually comes back or not. Thanks Paul

Dan

4988. Re: [tvnsp] Next Flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-05 04:54:27 UTC
From: Mike Manes
Topic: 4961 Message: 4988

Hi Paul,

Yeah. The biggest headache with that spreader ring happens when the topside goes thru the ring, etc. Worse than a Rubik's cube. But there's a simple fix:

I use bread ties to dress the shroud lines at the skirt, tight above the spreader ring and midway between 'em, plus tight below the spreader. They stay in place until launch string prep, when the launch crew removes 'em and stows 'em on the spreader ring; the recovery crew then uses 'em to dress up the shroud lines back to prelauch condition while they're still laid out straight at the landing site. Then the chute can be rolled up and wrapped with the neat rope of shroud lines for the next flight.

73 de Mike W5VSI

verhap@... wrote:
>
> I need the parachute back. I think John the younger has it. I'd like
> to make a new parachute ring for it. The current one is difficult to
> remove from the shroud lines, making untangling it a chore that it
> shouldn't be.
>
> I made a new set of winders out of PVC like Mark Conner
> recommended. I have some extra PVC pipe. If anyone would like
> to make a set of lanyard winders, I'll give you the pipe and the
> bottle of glue. You'll need to purchase the following,
>
> Four 1/2" PVC caps
> Eight 1/2" PVC T's
>
> All together, it should set you back about $3.
>
> Oh, and you'll need some nylon line for your lanyards.
>
> I need to get some help with rewinding my lanyards. I need to get
> the twist out of the line. Can I arrange to use someone's yard and
> extra set of hands?
>
> Paul
>
>
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Mike Manes manes@... Tel: 303-979-4899
"Things should be made as simple as possible, but not more so." A.
Einstein

4989. Re: [tvnsp] Flight Computer

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-05 14:28:14 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4987 Message: 4989

My flight computer (CC/PS) reads and parses the GGA sentence.
Experiments like cameras are operated based on the altitude. I'll
send you a copy of the flight code I currently use.

Paul

> Paul -
>
> Does your Basic Stamp Flight computer program detect specific
> altitudes in the NMEA string? I have a nearly complete collection of
> items needed to return a glider to my desired Launch point. I don't
> want a lot of down range drift though. I'm hoping you can help me
> write a program for my Stamp that will allow me to activate my
> cutdown device once I have gotten to a specific altitude. My early
> testing will be dropped from about a mile up from an RC Aircraft.
> after that though, I would like some preliminary drops from a 25,000
> to 40,000 altitude. Before it gets in the Jet stream. After
> that..... I guess it depends on how it all works and whether it
> actually comes back or not. Thanks Paul
>
> Dan
>
>
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4990. Re: [tvnsp] Next Flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-05 14:34:42 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4961 Message: 4990

I like the idea of tying off the lines. I was planning to built a long, narrow bag to store the 'chute for transport. I'll mention your idea in my book and give you credit.

Paul

> Hi Paul,
>
> Yeah. The biggest headache with that spreader ring happens when the
> topside goes thru the ring, etc. Worse than a Rubik's cube. But
> there's a simple fix:
>
> I use bread ties to dress the shroud lines at the skirt, tight above
> the spreader ring and midway between 'em, plus tight below the
> spreader. They stay in place until launch string prep, when the
> launch crew removes 'em and stows 'em on the spreader ring; the
> recovery crew then uses 'em to dress up the shroud lines back to
> prelauch condition while they're still laid out straight at the landing
> site. Then the chute can be rolled up and wrapped with the neat rope
> of shroud lines for the next flight.
>
> 73 de Mike W5VSI
>
> verhap@... wrote:
> >
> > I need the parachute back. I think John the younger has it. I'd like
> > to make a new parachute ring for it. The current one is difficult to
> > remove from the shroud lines, making untangling it a chore that it
> > shouldn't be.
> >
> > I made a new set of winders out of PVC like Mark Conner
> > recommended. I have some extra PVC pipe. If anyone would like
> > to make a set of lanyard winders, I'll give you the pipe and the
> > bottle of glue. You'll need to purchase the following,
> >
> > Four 1/2" PVC caps
> > Eight 1/2" PVC T's
> >
> > All together, it should set you back about $3.
> >
> > Oh, and you'll need some nylon line for your lanyards.
> >
> > I need to get some help with rewinding my lanyards. I need to get
> > the twist out of the line. Can I arrange to use someone's yard and
> > extra set of hands?

> >
> > Paul
> >
> >
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4991. Re: [tvnsp] Flight Computer

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-05 14:43:31 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4987 Message: 4991

Here's the code I use to read altitude from the GGA sentence.

Paul

```
GPSStat var Status.bit1 '0=good gps, 1 = bad gps
i4800 con 16884 '4800 baud n81 inverted
gps_rx con 7
alt_curr var word 'current gps alt (m)

serin gps_rx,I4800,10000,NoGPS,[wait ("$GPGGA"),skip 45, dec
alt_curr]

NoGPS:
GPSStat = 1
'gosub FlightTerm
EndGPS:
return
```

4992. PSR

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-05 17:30:48 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4599 Message: 4992

The latest Packet Status Register is available on-line from TAPR.
Check it out, it has an article I wrote on near space.

www.tapr.org

Paul

4993. Re: [tvnsp] Next Flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-05 18:28:53 UTC
From: Mike Manes
Topic: 4961 Message: 4993

Hi Paul,

Note also that when it's dressed and rolled up, the entire chute,
spreader ring and attached DF beacon/cutdown receiver fit nicely into
a plastic kitchen trash bag. Keeps it neat and clean between flights
and makes it easy to transport.

Thanks!

Mike

verhap@... wrote:
>
> I like the idea of tying off the lines. I was planning to built a long,
> narrow bag to store the 'chute for transport. I'll mention your idea in
> my book and give you credit.
>
> Paul
>
> > Hi Paul,
> >
> > Yeah. The biggest headache with that spreader ring happens when the
> > topside goes thru the ring, etc. Worse than a Rubik's cube. But
> > there's a simple fix:
> >
> > I use bread ties to dress the shroud lines at the skirt, tight above
> > the spreader ring and midway between 'em, plus tight below the
> > spreader. They stay in place until launch string prep, when the
> > launch crew removes 'em and stows 'em on the spreader ring; the
> > recovery crew then uses 'em to dress up the shroud lines back to
> > prelauch condition while they're still laid out straight at the landing
> > site. Then the chute can be rolled up and wrapped with the neat rope
> > of shroud lines for the next flight.
> >
> > 73 de Mike W5VSI
> >
> > verhap@... wrote:
> > >
> > > I need the parachute back. I think John the younger has it. I'd like
> > > to make a new parachute ring for it. The current one is difficult to
> > > remove from the shroud lines, making untangling it a chore that it
> > > shouldn't be.
> > >
> > > I made a new set of winders out of PVC like Mark Conner
> > > recommended. I have some extra PVC pipe. If anyone would like
> > > to make a set of lanyard winders, I'll give you the pipe and the

> > > bottle of glue. You'll need to purchase the following,
> > >
> > > Four 1/2" PVC caps
> > > Eight 1/2" PVC T's
> > >
> > > All together, it should set you back about $3.
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> > > Oh, and you'll need some nylon line for your lanyards.
> > >
> > > I need to get some help with rewinding my lanyards. I need to get
> > > the twist out of the line. Can I arrange to use someone's yard and
> > > extra set of hands?
> > >
> > > Paul
> > >
> > >
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> > --
> > Mike Manes manes@... Tel: 303-979-4899
> > "Things should be made as simple as possible, but not more so." A.
> > Einstein
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--
Mike Manes manes@... Tel: 303-979-4899
"Things should be made as simple as possible, but not more so." A.

Einstein

4994. Parachutes

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-05 20:14:10 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4961 Message: 4994

> Hi Paul,
>
> Note also that when it's dressed and rolled up, the entire chute,
> spreader ring and attached DF beacon/cutdown receiver fit nicely into
> a plastic kitchen trash bag. Keeps it neat and clean between flights
> and makes it easy to transport.

My plan ios to sew a tube of fabric with a velcro strip. The chute is laid inside (after it's untangled) and then sealed in with a velcro closure. The tube is then rolled up into a multi-turn loop and tied together with the carrying handle.

I'll use a heavy nylon fabric that is resistant to ripping.

At home I hang my 'chute from the wall. I don't wrap and pack them until the night before the launch. I assume this is done with human parachutes.

Paul

4995. Accelerometers

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-06 15:25:45 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4995 Message: 4995

Nuts and Volts will have an article on an accelerometer application
for the Basic Stamp next month.

Paul

4996. UV LEDs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-06 15:35:01 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4996 Message: 4996

all Electronics is now selling Blue/UV LEDs. If you want a
hazardous LED, this is the one to buy. They cost $1.75 a piece.
A couple of my students want me to oreder some for the class.

www.allcorp.com

Do a search on LED. The data sheet makes great reading.

Paul

4997. WIRES enabled repeaters?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-06 16:52:06 UTC
From: Justin Formolo
Topic: 4997 Message: 4997

I just ran across this cool system while looking for a new Yaesu radio that is called WIRES. This is the first time I have seen this before. I was wondering if this area has such a setup yet or if it's on the drawing board? If anyone is wondering what WIRES is, here are some good websites to check out,
http://k0swi.microlnk.com/IRADIO/WIRES/System.htm
http://www.universal-radio.com/catalog/fm_txvrs/0890wire.html I was just curious. Thanks

Justin, KD7PIT

4998. Web hosting

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-06 20:16:13 UTC
From: Mark Conner
Topic: 4998 Message: 4998

I'm looking for a new home for the NSTAR web page. Serving large files off my cable modem connection isn't working, and I think I'd like to get a site going with my own domain name (www.nstar.org is available).

I don't think I'll require a lot of bandwidth per month (couple of Gbytes), but I do need a lot of storage space. I'm guessing I'll need at least 200 Mb for all the video files I'd like to have available. There are several companies out there that do this, almost too many to compare. I found a couple that have good rates, but putting video files on their server is against their acceptable use policy. I'd like something that can send at near 1 Mbit rates for other cable modem/DSL users. Any suggestions?

73 de Mark N9XTN

Mark D. Conner
E-mail: n9xtn@...
Homepage: http://members.cox.net/mconner1
"Arrogance and stupidity, all in the same package.....how efficient of you!" - Ambassador Londo Mollari, Babylon 5

4999. Re: [tvnsp] WIRES enabled repeaters?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-06 21:00:23 UTC
From: Randy Farley
Topic: 4997 Message: 4999

Justin

There are three IRLP nodes in our area. 453.250 and 449.700
if you want to play around with this. Do not know the third one right now.

They are designed for long distance contacts via VHF and UHF radios over the internet.

Looks like this is one of the easier systems to setup.
I know IRLP runs on Linux, so you have to master
another operating system.

There are other hybrids of this RF via the internet system
around. This is a pretty slick way to introduce people to
Ham radio.

I still prefer straight RF but everyone has his own
balloon to fly and gee wiz thresholds to satisfy. ;-)

regards

Randy Farley

>>> J_Formolo@... 11/06/02 09:52AM >>>
I just ran across this cool system while looking for a new Yaesu
radio that is called WIRES. This is the first time I have seen this
before. I was wondering if this area has such a setup yet or if it's
on the drawing board? If anyone is wondering what WIRES is, here are
some good websites to check out,
http://k0swi.microlnk.com/IRADIO/WIRES/System.htm
http://www.universal-radio.com/catalog/fm_txvrs/0890wire.html I was
just curious. Thanks

Justin, KD7PIT

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5000. Re: [tvnsp] Web hosting

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-07 00:51:01 UTC
From: Zack Clobes
Topic: 4998 Message: 5000

I think I remember seeing some hosting services that specialize in streaming video. The concept is you have your nstar.org on some other, low-bandwidth (cheap) site, and just link to their server for video feeds.

Good luck - I'd be interested in knowing what you end up with.

Zack Clobes, W0ZC
Project: Traveler
www.rckara.org/

----- Original Message -----
From: "Mark Conner" <n9xtn@...>
To: "KNSP List" <KNSP@yahoogroups.com>; "TVNSP List" <tvnsp@yahoogroups.com>
Sent: Wednesday, November 06, 2002 2:16 PM
Subject: [tvnsp] Web hosting

> I'm looking for a new home for the NSTAR web page. Serving large
> files off my cable modem connection isn't working, and I think
> I'd like to get a site going with my own domain name
> (www.nstar.org is available).
>
> I don't think I'll require a lot of bandwidth per month (couple
> of Gbytes), but I do need a lot of storage space. I'm guessing
> I'll need at least 200 Mb for all the video files I'd like to
> have available. There are several companies out there that do
> this, almost too many to compare. I found a couple that have
> good rates, but putting video files on their server is against
> their acceptable use policy. I'd like something that can send at
> near 1 Mbit rates for other cable modem/DSL users. Any
> suggestions?
>
> 73 de Mark N9XTN
> ------
> Mark D. Conner
> E-mail: n9xtn@...
> Homepage: http://members.cox.net/mconner1
> "Arrogance and stupidity, all in the same package.....how
> efficient of you!" - Ambassador Londo Mollari, Babylon 5
>
>
>
>
> To unsubscribe from this group, send an email to:
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>
>

>
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>
>

5001. Re: [tvnsp] Web hosting

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-07 01:18:45 UTC
From: Adam
Topic: 4998 Message: 5001

I use http://www.aaces.com

They have great technical support, have all the features you need to stream like realaudio/video servers and they have a lot of bandwidth. I host http://www.jamradar.com off of them and they do a great job.

If you pay for a year at a time for a 50 MB account it costs $9.95 per month.

Adam
----- Original Message -----
From: "Zack Clobes" <zclobes@...>
To: <tvnsp@yahoogroups.com>
Sent: Wednesday, November 06, 2002 6:51 PM
Subject: Re: [tvnsp] Web hosting

> I think I remember seeing some hosting services that specialize in streaming
> video. The concept is you have your nstar.org on some other, low-bandwidth
> (cheap) site, and just link to their server for video feeds.
>
> Good luck - I'd be interested in knowing what you end up with.
>
> Zack Clobes, W0ZC
> Project: Traveler
> www.rckara.org/
>
> ----- Original Message -----
> From: "Mark Conner" <n9xtn@...>
> To: "KNSP List" <KNSP@yahoogroups.com>; "TVNSP List" <tvnsp@yahoogroups.com>
> Sent: Wednesday, November 06, 2002 2:16 PM
> Subject: [tvnsp] Web hosting
>
>
> > I'm looking for a new home for the NSTAR web page. Serving large
> > files off my cable modem connection isn't working, and I think
> > I'd like to get a site going with my own domain name
> > (www.nstar.org is available).
> >
> > I don't think I'll require a lot of bandwidth per month (couple
> > of Gbytes), but I do need a lot of storage space. I'm guessing
> > I'll need at least 200 Mb for all the video files I'd like to
> > have available. There are several companies out there that do
> > this, almost too many to compare. I found a couple that have

> > good rates, but putting video files on their server is against
> > their acceptable use policy. I'd like something that can send at
> > near 1 Mbit rates for other cable modem/DSL users. Any
> > suggestions?
> >
> > 73 de Mark N9XTN
> > ------
> > Mark D. Conner
> > E-mail: n9xtn@...
> > Homepage: http://members.cox.net/mconner1
> > "Arrogance and stupidity, all in the same package.....how
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> >
> >
> >
> >
> > To unsubscribe from this group, send an email to:
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> >
>
>
> To unsubscribe from this group, send an email to:
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>
>
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>

5002. ORB-2 Launch Update

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-07 01:32:45 UTC
From: Harry M
Topic: 5002 Message: 5002

ORB-2 Balloon Launch UpDate

Payload - 2-Meter Micro-Beacon W/Tone. Frequency is 147.445
and is on for 7 seconds and off for 7 seconds.

Launch Freq. - 146.585 Simplex
Chase Freq. - Claremore Repeater 147.090 (no tone)

Launch is still a go for 9am this coming Saturday,Nov. 9.
At this time the wind predictions are favorable for a
launch from the SkyBlazers R/C field in Collinsville, Ok.
GPS coordinates are N36 22.7342 / W95 49.9130.

Here are the directions from Tulsa. Take Hwy 169 north to
the Collinsville exit, turn left (W), go to the stop sign,
turn right (N), go to the next stop sign, go straight 1
mile (you will see the field on your left (W) turn left (W),
then 500 feet to the gate on the left (S).

The wind predictions are indicating a flight NNE-E-ESE
depending on what altitude is reached. (and that's a big WHAT)

If you are planning to come out please let me know ASAP. If you
plan to track and chase I would like to have a short meet before
launch to discuss the chase plans.

Even if you know nothing about what we're doing, come on out
and meet some of your fellow HAM's. It'll be a great day for
a drive in the country!

73
Harry - KC5TRB

5003. RE: [tvnsp] Accelerometers

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-07 02:04:32 UTC
From: Tony Barrett
Topic: 4995 Message: 5003

Hey Paul,

I think I have a lead on some free accelerometer ICs. I'll try to
remember to look up the details and pass them along to you.

73,

Tony

-----Original Message-----
From: verhap@... [mailto:verhap@...]
Sent: Wednesday, November 06, 2002 8:26 AM
To: tvnsp@yahoogroups.com
Subject: [tvnsp] Accelerometers

Nuts and Volts will have an article on an accelerometer application
for the Basic Stamp next month.

Paul

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333%0d%0a>

<http://us.adserver.yahoo.com/l?M=228862.2128520.3581629.2273195/D=egrou
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5004. RE: [tvnsp] Accelerometers

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-07 14:18:52 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4995 Message: 5004

Jeff is interested in this also (as I recall). It sounds like we should
get the samples and make it a project.

Paul

> Larry Beck (another ham friend) called the manufacturer and they were
> glad to send him two free samples - FED EX! Even if we have to buy them
> they are only $11 each. They are solid state chips with two outputs; a
> voltage proportional to the force and a pulse train with the pulse width
> proportional to the force. Most are two axis units. I know there are
> 100 G and 10 G units. Even the 10 G units are rated to survive
> something like a 500 G shock. Don't quote me on that. We need to check
> the specs.
>
> OK, found my motes (page 70): Analog Devices, $11 each. Two free
> samples. 100 G, 10 G, or 2 G. Larry says we want the "E" versions.
>
> Check the website and look for MEMs, Accelerometers, Selection Guide.
> The 10 G unit is part number ADXL210E. The 2 G unit is the ADXL202E.
>
> I'd like to fly some on a balloon and record the forces just after
> burst, landing, etc.
>
> 73,
>
> Tony
>
>
>
> -----Original Message-----
> From: Bill Herrmann [mailto:bherrman@...]
> Sent: Wednesday, November 06, 2002 7:14 PM
> To: Tony Barrett
> Subject: RE: [tvnsp] Accelerometers
>
> At 07:04 PM 11/6/02 -0700, you wrote:
> >I think I have a lead on some free accelerometer ICs. I ll try to
> >remember to look up the details and pass them along to you.
>
> Any idea how many are available? I'd be interested in a few, but don't
> want
> to rob from Paul's efforts. (in other words he'll probably use them
> before
> I will!)
>

> Bill
>
>
>
>
>

5005. 1500 Gram Balloon

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-07 17:23:25 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5005 Message: 5005

I just got word back from Connie at Kaysam, they sent the 1500 gram balloon yesterday.

Paul

5006. Cheap tranceiver from Radio Shack

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-08 00:44:59 UTC
From: Zack Clobes
Topic: 5006 Message: 5006

I was just in Radio Shack here in Hutchinson, KS and they had their HTX-200 HT radios on sale for $50. I picked one up as a backup transmitter. They can run on 2 AA batteries to get 200mW or 9V external power for 2W output. It looks like it's an SMA connector for the antenna and the two plugs for mic and receive audio. The manual claims a weight without battery to be less than 5oz (I'm not sure if that includes the antenna or not).

A pair of lithium AA batteries and a small back modulator board would make a small, cheap backup transmitter.

Zack Clobes, W0ZC
Project: Traveler
www.rckara.org/

5007. Re: [tvnsp] Accelerometers

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-08 02:00:44 UTC
From: Jeff Melanson
Topic: 4995 Message: 5007

Tony,

Yes, I'm definetely interested. As I recall, you wanted to
try to use an accelerometer to measure the vertical forces
throughout the flight and determine if we can reliably
measure the exact moment the balloon burst's. I am also
interested in that project.

Jeff
KD7INN

verhap@... wrote:
>
> Jeff is interested in this also (as I recall). It sounds
> like we should
> get the samples and make it a project.
>
> Paul
>
> > Larry Beck (another ham friend) called the manufacturer
> and they were
> > glad to send him two free samples - FED EX! Even if we
> have to buy them
> > they are only $11 each. They are solid state chips with
> two outputs; a
> > voltage proportional to the force and a pulse train with
> the pulse width
> > proportional to the force. Most are two axis units. I
> know there are
> > 100 G and 10 G units. Even the 10 G units are rated to
> survive
> > something like a 500 G shock. Don't quote me on that.
> We need to check
> > the specs.
> >
> > OK, found my motes (page 70): Analog Devices, $11 each.
> Two free
> > samples. 100 G, 10 G, or 2 G. Larry says we want the
> "E" versions.
> >
> > Check the website and look for MEMs, Accelerometers,
> Selection Guide.
> > The 10 G unit is part number ADXL210E. The 2 G unit is
> the ADXL202E.
> >
> > I'd like to fly some on a balloon and record the forces

> just after
> > burst, landing, etc.
> >
> > 73,
> >
> > Tony
> >
> >
> >
> > -----Original Message-----
> > From: Bill Herrmann [mailto:bherrman@...]
> > Sent: Wednesday, November 06, 2002 7:14 PM
> > To: Tony Barrett
> > Subject: RE: [tvnsp] Accelerometers
> >
> > At 07:04 PM 11/6/02 -0700, you wrote:
> > >I think I have a lead on some free accelerometer ICs.
> I ll try to
> > >remember to look up the details and pass them along to
> you.
> >
> > Any idea how many are available? I'd be interested in a
> few, but don't
> > want
> > to rob from Paul's efforts. (in other words he'll
> probably use them
> > before
> > I will!)
> >
> > Bill
> >
> >
> >
> >
> >
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5008. Re: [tvnsp] Accelerometers

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-08 03:57:57 UTC
From: Harry M
Topic: 4995 Message: 5008

Just a thought off the top of the ol' grey matter, but why not use a sound detector to signal the burst? What other sounds are there up there?

Harry
KC5TRB

> Tony,
>
> Yes, I'm definetely interested. As I recall, you wanted to
> try to use an accelerometer to measure the vertical forces
> throughout the flight and determine if we can reliably
> measure the exact moment the balloon burst's. I am also
> interested in that project.
>
> Jeff
> KD7INN

5009. Re: [tvnsp] Accelerometers

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-08 13:36:44 UTC
From: Jeff Melanson
Topic: 4995 Message: 5009

Harry,

This idea has been talked about as well as others. One other would be to detect the upward pull on the load line. When the line goes slack that would indicate the balloon has burst. The suggestion is that we put together experiments to try all these methods. I believe that will happen this winter.

Jeff
KD7INN

Harry M wrote:
>
> Just a thought off the top of the ol' grey matter, but why
> not use a sound
> detector to signal the burst? What other sounds are there
> up there?
>
> Harry
> KC5TRB
>
> > Tony,
> >
> > Yes, I'm definetely interested. As I recall, you wanted
> to
> > try to use an accelerometer to measure the vertical
> forces
> > throughout the flight and determine if we can reliably
> > measure the exact moment the balloon burst's. I am also
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> > Jeff
> > KD7INN
>
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5010. Re: [tvnsp] Accelerometers

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-08 13:54:47 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4995 Message: 5010

Jeff, look into polled interupts on the BS2p.

Paul

> Tony,
>
> Yes, I'm definetely interested. As I recall, you wanted to
> try to use an accelerometer to measure the vertical forces
> throughout the flight and determine if we can reliably
> measure the exact moment the balloon burst's. I am also
> interested in that project.
>
> Jeff
> KD7INN
>
>
> verhap@... wrote:
> >
> > Jeff is interested in this also (as I recall). It sounds
> > like we should
> > get the samples and make it a project.
> >
> > Paul
> >
> > > Larry Beck (another ham friend) called the manufacturer
> > and they were
> > > glad to send him two free samples - FED EX! Even if we
> > have to buy them
> > > they are only $11 each. They are solid state chips with
> > two outputs; a
> > > voltage proportional to the force and a pulse train with
> > the pulse width
> > > proportional to the force. Most are two axis units. I
> > know there are
> > > 100 G and 10 G units. Even the 10 G units are rated to
> > survive
> > > something like a 500 G shock. Don't quote me on that.
> > We need to check
> > > the specs.
> > >
> > > OK, found my motes (page 70): Analog Devices, $11 each.
> > Two free
> > > samples. 100 G, 10 G, or 2 G. Larry says we want the
> > "E" versions.
> > >

> > > Check the website and look for MEMs, Accelerometers,
> > Selection Guide.
> > > The 10 G unit is part number ADXL210E. The 2 G unit is
> > the ADXL202E.
> > >
> > > I'd like to fly some on a balloon and record the forces
> > just after
> > > burst, landing, etc.
> > >
> > > 73,
> > >
> > > Tony
> > >
> > >
> > >
> > > -----Original Message-----
> > > From: Bill Herrmann [mailto:bherrman@...]
> > > Sent: Wednesday, November 06, 2002 7:14 PM
> > > To: Tony Barrett
> > > Subject: RE: [tvnsp] Accelerometers
> > >
> > > At 07:04 PM 11/6/02 -0700, you wrote:
> > > >I think I have a lead on some free accelerometer ICs.
> > I ll try to
> > > >remember to look up the details and pass them along to
> > you.
> > >
> > > Any idea how many are available? I'd be interested in a
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> > > to rob from Paul's efforts. (in other words he'll
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> > > Bill
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5011. Re: [tvnsp] Accelerometers

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-08 14:41:42 UTC
From: Zack Clobes
Topic: 4995 Message: 5011

One thing that I noticed at last year's GPSL is that when the balloon burst on the ground, it really wasn't that loud. I heard a noise, looked up, and saw pieces of latex floating down. I think that wind noise would probably overpower a balloon burst - especially up in the thin atmosphere.

Have any of the camcorders picked up any noises?

Zack Clobes, W0ZC
Project: Traveler
www.rckara.org/

----- Original Message -----
From: "Harry M" <harrymue@...>
To: <tvnsp@yahoogroups.com>
Sent: Thursday, November 07, 2002 9:57 PM
Subject: Re: [tvnsp] Accelerometers

> Just a thought off the top of the ol' grey matter, but why not use a sound
> detector to signal the burst? What other sounds are there up there?
>
> Harry
> KC5TRB
>
>
>
>
> > Tony,
> >
> > Yes, I'm definetely interested. As I recall, you wanted to
> > try to use an accelerometer to measure the vertical forces
> > throughout the flight and determine if we can reliably
> > measure the exact moment the balloon burst's. I am also
> > interested in that project.
> >
> > Jeff
> > KD7INN
>
>
>
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>

5012. Re: [tvnsp] Accelerometers

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-08 15:01:51 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4995 Message: 5012

> One thing that I noticed at last year's GPSL is that when the balloon burst
> on the ground, it really wasn't that loud. I heard a noise, looked up, and
> saw pieces of latex floating down. I think that wind noise would probably
> overpower a balloon burst - especially up in the thin atmosphere.
>
>
> Have any of the camcorders picked up any noises?

Oh yes. There's a double boom when the balloon bursts. There's
no wind sounds in near space, but the expanding wave of helium
(perhaps?) does make a sound, the only sound, heard.

Here's my idea. The accellerometers produce a voltage dependent
on accelleration. The voltage output is dumped through a voltage
divider to ground. The BS2p taps the voltage across one resistor
and polls that I/O. When the burst occurs, the voltage spikes
above 1.4 volts, causing the pin to go high. Pin polling detects the
change in state, triggering the interupt routine.

My $0.03 worth (inflation)

We need to understand the output from the accellerometer and
how to use the polled interupt of the BS2p.

Paul

5013. Fwd: [aprssig] RE: Radio Shack $99 GPS

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-08 15:18:03 UTC
From: Randy Farley
Topic: 5013 Message: 5013

Here is a first hand report on the RS gps.

regards

Randy Farley

5014. Re: [tvnsp] Accelerometers

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-09 01:26:46 UTC
From: Harry M
Topic: 4995 Message: 5014

I heard the little "POOF" also, but at altitude the envelope is much bigger and more pressure. Bigger "POOF"! :)

If I remember correctly, someone on this reflector said they heard a burst from the ground. Now that's a BIG "POOF"

Harry

> One thing that I noticed at last year's GPSL is that when the balloon burst
> on the ground, it really wasn't that loud. I heard a noise, looked up, and
> saw pieces of latex floating down. I think that wind noise would probably
> overpower a balloon burst - especially up in the thin atmosphere.
>
>
> Have any of the camcorders picked up any noises?

5015. Experiment

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-09 01:30:11 UTC
From: aerobotics58
Topic: 5015 Message: 5015

I understand there is a scheduled TVNSP flight this 16 November. I would like to include a small experiment in someones capsule but need a resource. Does anyone have a Thermocron to sell or that I could borrow for the flight. I am going to put together a very small insulated package of foam. I intend to put a small hand warmer heat packet inside. I can't make the launch as I have to work. I would need someone to activate the packet just prior to the launch. It then needs to be placed in the Foam package with the Thermocron. I would like to see how well this works as a heat source as the air thins and temerature drops. Also, does anyone have room in a capsule for this to go up in? It will be about double the size of a ring box and weigh only about as much as one too.

Dan

5016. ORB-2 UPDATE

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-09 02:41:34 UTC
From: Harry M
Topic: 5016 Message: 5016

ORB-2 UPDATE

Launch Sit - Collinsville, Oklahoma (N36 22.7342/W95 49.9130)
2-meter beacon on 147.455 / 7 sec on - 7 sec off
2 - 28" (30g) balloons (Orange & Red).
Local repeater will be the 147.090, Claremore

Launch is still a go for 9am tomorrow, Saturday Nov. 9.
Wind profiles are indicating the ground track will be
010 - 071 degrees from the launch site in Collinsville.
A low flight will be more north and a higher flight will
be more east. Surface winds will be from 170 @ 10-20 or more.

Signal reports would be appreciated!

73

Harry - KC5TRB
harrymue@...
Oklahoma Research Balloons

5017. Re: [tvnsp] Accelerometers

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-09 16:36:38 UTC
From: Jeff Melanson
Topic: 4995 Message: 5017

Where do I get a copy of Nuts and Volts locally?

Jeff
KD7INN

verhap@... wrote:
>
> Nuts and Volts will have an article on an accelerometer
> application
> for the Basic Stamp next month.
>
> Paul
>
> Yahoo! Groups Sponsor
> ADVERTISEMENT
> [Image]
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
> Your use of Yahoo! Groups is subject to the Yahoo! Terms
> of Service.

5018. pop

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-09 16:55:46 UTC
From: K. Mark Caviezel
Topic: 5018 Message: 5018

noise of balloons bursting -
yes, I've reviewed tape for lofted camcorders, the pop
of the balloon is very obvious, but there is a lot of
other noise as well, stuff shifting around, I think
the automatic gain control on the Sony camcorders
jacks itself way up and gets lots of stuff.
For a latex balloon, the ascent is continuous motion
and there is plenty of noise on the camcorder audio.

- KMC

_____
Do you Yahoo!?
U2 on LAUNCH - Exclusive greatest hits videos
http://launch.yahoo.com/u2

5019. Re: Accelerometers

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-10 06:10:33 UTC
From: Justin Formolo
Topic: 4995 Message: 5019

Jeff,
I've seen it at Barnes & Noble in Boise. It's in their magazine rack, but look low, it's on the bottom self mixed with the Sky & Telescope, Astronomy, and QST mags. Hope this helps out.

Justin

> Where do I get a copy of Nuts and Volts locally?
>
> Jeff
> KD7INN
>
> verhap@o... wrote:
> >
> > Nuts and Volts will have an article on an accelerometer
> > application
> > for the Basic Stamp next month.
> >
> > Paul
> >
> > Yahoo! Groups Sponsor
> > ADVERTISEMENT
> > [Image]
> >
> >
> > To unsubscribe from this group, send an email to:
> > tvnsp-unsubscribe@e...
> >
> > Your use of Yahoo! Groups is subject to the Yahoo! Terms
> > of Service.

5020. TinyTrak3

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-10 06:13:30 UTC
From: Justin Formolo
Topic: 5020 Message: 5020

Group,
Just noticed that Byonics is coming out with the TinyTrak3 in
January 2003. Just a FYI for everyone. I'm thinking about using it
for my capsule when the time comes.

Justin

5021. RE: [tvnsp] Fwd: [aprssig] RE: Radio Shack $99 GPS

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-10 15:51:45 UTC
From: Tony Barrett
Topic: 5013 Message: 5021

Hey Randy,

Outlook refuses to open the attachment. Any tips?

I was interested in reading the first hand report on the RS gps. Is it
something you can cut & paste?

Thanks,

Tony

-----Original Message-----
From: Randy Farley [mailto:rfarley@...]
Sent: Friday, November 08, 2002 8:18 AM
To: tvnsp@yahoogroups.com
Subject: [tvnsp] Fwd: [aprssig] RE: Radio Shack $99 GPS

Here is a first hand report on the RS gps.

regards

Randy Farley

To unsubscribe from this group, send an email to:
tvnsp-unsubscribe@egroups.com

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<http://docs.yahoo.com/info/terms/> .

5022. RE: [tvnsp] Fwd: [aprssig] RE: Radio Shack $99 GPS

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-10 16:25:32 UTC
From: Tony Barrett
Topic: 5013 Message: 5022

Sorry! Problem on my end. Got it figured out. Enjoyed the report.
Thanks Randy!

-----Original Message-----
From: Tony Barrett [mailto:tonybarrett@...]
Sent: Sunday, November 10, 2002 8:52 AM
To: 'tvnsp@yahoogroups.com'
Subject: RE: [tvnsp] Fwd: [aprssig] RE: Radio Shack $99 GPS

Hey Randy,

Outlook refuses to open the attachment. Any tips?

I was interested in reading the first hand report on the RS gps. Is it
something you can cut & paste?

Thanks,

Tony

-----Original Message-----
From: Randy Farley [mailto:rfarley@...]
Sent: Friday, November 08, 2002 8:18 AM
To: tvnsp@yahoogroups.com
Subject: [tvnsp] Fwd: [aprssig] RE: Radio Shack $99 GPS

Here is a first hand report on the RS gps.

regards

Randy Farley

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5023. Re: [tvnsp] Experiment

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-10 19:51:25 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5015 Message: 5023

We'll have room and weight. Can you drop the experiment off with
someone and show them how to operate it?

We are scheduled to have the FRR on Thursday. Perhaps you
could attend?

Paul

> I understand there is a scheduled TVNSP flight this 16 November. I
> would like to include a small experiment in someones capsule but need
> a resource. Does anyone have a Thermocron to sell or that I could
> borrow for the flight. I am going to put together a very small
> insulated package of foam. I intend to put a small hand warmer heat
> packet inside. I can't make the launch as I have to work. I would
> need someone to activate the packet just prior to the launch. It then
> needs to be placed in the Foam package with the Thermocron. I would
> like to see how well this works as a heat source as the air thins and
> temerature drops. Also, does anyone have room in a capsule for this
> to go up in? It will be about double the size of a ring box and weigh
> only about as much as one too.
>
> Dan
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>

5024. Re: [tvnsp] Accelerometers

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-10 19:55:50 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4995 Message: 5024

I find mine in the mailbox.

I believe they're available at Borders. One good thing to say about
Boise is that it has two good bookstores next to each other.

Paul

> Where do I get a copy of Nuts and Volts locally?
>
> Jeff
> KD7INN
>
> verhap@... wrote:
> >
> > Nuts and Volts will have an article on an accelerometer
> > application
> > for the Basic Stamp next month.
> >
> > Paul
> >
> > Yahoo! Groups Sponsor
> > ADVERTISEMENT
> > [Image]
> >
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>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>

5025. Re: [tvnsp] pop

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-10 19:58:43 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5018 Message: 5025

> noise of balloons bursting -
> yes, I've reviewed tape for lofted camcorders, the pop
> of the balloon is very obvious, but there is a lot of
> other noise as well, stuff shifting around, I think
> the automatic gain control on the Sony camcorders
> jacks itself way up and gets lots of stuff.
> For a latex balloon, the ascent is continuous motion
> and there is plenty of noise on the camcorder audio.

It seems pretty quiet once the balloon gets way up there. I've not tried determining the minimum altitude, but if ythe balloon bursts at 85,000, about the only thing I've heard is the burst. once the capsule is on the way back down, there's lots of wind noise (roar!).

But certainly early on, there's lots of other noise. Camcorders had a built-in level of noise. That may complicate things.

Paul

5026. (Fwd) GPS receiver power consumption

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-10 20:06:01 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5026 Message: 5026

Ralph Wallio is looking at current requirements for GPS receivers.
Jeff, as I recall, you measures the number of hours of use from an
Etrex. Can you forward to Ralph the kind of batteries and the
number of hours of use you got from them?

Paul
++
From: "Ralph Wallio, W0RPK" <wallio@...>
Subject: GPS receiver power consumption
Date sent: Sun, 10 Nov 2002 12:13:27 -0600

One of my SolarFloater decisions is which GPS receiver to use. Assuming
other specifications are close to equal the decision is based on power
consumption (the receiver will be running 100% to constantly feed data to a
115kbps telemetry link). Here are the power spec's I find. Please check
this over for gross errors.

GARMIN eTrex (TVNSP - EOOS)
Includes antenna and display
Power consumption unknown and not specified

5027. Re: [tvnsp] Accelerometers

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-10 22:06:51 UTC
From: Tim Rynearson
Topic: 4995 Message: 5027
Attachments: 1 described; binary payloads are missing from this source WARC

Another couple of good sources might be RJM Electronics and Radar Electric, both on Overland. I used to get mine from RJM when Bob (also a ham) was a single-man operation.

Tim

-------Original Message-------

From: tvnsp@yahoogroups.com
Date: Sunday, November 10, 2002 12:55:09 PM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] Accelerometers

I find mine in the mailbox.

I believe they're available at Borders. One good thing to say about Boise is that it has two good bookstores next to each other.

Paul

> Where do I get a copy of Nuts and Volts locally?
>
> Jeff
> KD7INN
>
> verhap@... wrote:
> >
> > Nuts and Volts will have an article on an accelerometer
> > application
> > for the Basic Stamp next month.
> >
> > Paul
> >
> > Yahoo! Groups Sponsor
> > ADVERTISEMENT
> > [Image]
> >
> >
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> > tvnsp-unsubscribe@egroups.com
> >
> > Your use of Yahoo! Groups is subject to the Yahoo! Terms
> > of Service.
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> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com

>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>

To unsubscribe from this group, send an email to:
tvnsp-unsubscribe@egroups.com

Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

.

5028. ORB-2 UPDATE

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-11 00:08:10 UTC
From: Harry M
Topic: 5016 Message: 5028

ORB-2 UPDATE

ORB-2 was launched at 09:07 Sat. morning. The beacon was heard loud
and clear as it sailed away (blown away) to the NNE. The chase crews
were late departing the launch area, you know, stand around and watch
the balloons sail away (oohs, aaahs & wow's), while shooting the breeze,
and there was plenty of it that morning. HiHi! Something like 18 mph
gusting to 28 mph. The first attempts from out on the road to listen
for the beacon were in vain. It could not be heard and was never heard
again. We vacuumed the countryside with our Ht's and antennas until
noon when we all gave up and met for a great BBQ lunch back in
Collinsville. Everyone enjoyed the beautiful day and can't wait until
the next time. We will be back!

Two stations heard the beacon from their QTH.
Jim-K5LAD, Owasso, Ok submitted this report:

I first heard the signal at 9:07 -- loud and clear.
9:12 - strongest signal from 10 degrees
9:14 - 20 degrees
9:16 - 20 degrees
9:18 - 15 degrees
9:20 - 25 degrees
9:24 - 30 degrees - weak signal
9:25 - 25 degrees - signal a bit stronger
9:27 - 15 degrees
9:29 - 20 degrees - weak signal
9:30 - 20 degrees
9:32 - 20 degrees - weak signal
9:34 - could no longer hear the beacon

and

Eddie-KC5TER, Chelsea, Ok said he heard it for about 15 min. after launch.

Thanks to the following who helped direcly and indirectly:

Chase - SkyBlazers R/C Club
Richard - SkyBlazers R/C Club
KD5OIJ Dave
KD5AFS Grant
KF5RD Pete
K5TTT Charlie-Thanks for the ARRL brief! http://www.arrl.org/sections/?sect=OK

KC5ARC Calvin
KC5ZQM Doug
KC5TER Eddie
K5LAD Jim
W5OKL Richie
KD5TXM Larry

73
Harry-KC5TRB
Oklahoma Research Balloons

ORB-1 Website (UpDated) http://www.gbronline.com/harrymue/orb1/
ORB-2 Website (Coming Soon) http://www.gbronline.com/harrymue/orb2/

5029. ORB-2 Website

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-11 05:42:49 UTC
From: Harry M
Topic: 5029 Message: 5029

ORB-2 Pictures are posted.
http://www.gbronline.com/harrymue/orb2/

Harry

5030. (Fwd) A new morning star; Nov. 11th aurora watch

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-11 14:14:52 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5030 Message: 5030

------- Forwarded Message Follows -------
Date sent: Sun, 10 Nov 2002 21:53:53 -0600
Subject: A new morning star; Nov. 11th aurora watch
To: "SpaceWeather.com" <swlist@...>
From: "SpaceWeather.com" <swlist@...>
Send reply to: "SpaceWeather.com" <swlist@...>

[Double-click this line for list subscription options]

MORNING PLANETS: The planet Venus, which crossed from one side of the Sun to the other on Nov. 1st, is now a bright morning "star." Look for it hanging low in the eastern sky just before dawn. Now that Venus has emerged from the glare of the Sun, you can see four planets before local sunrise: Venus, Mars, Jupiter and Saturn. Visit spaceweather.com for sky maps and for pictures of Venus, which looks like a thin crescent through amateur telescopes.

AURORA WATCH: On Nov. 9th, an M4-class explosion near sunspot 180 hurled a lopsided coronal mass ejection toward Earth. Sky watchers should be alert for auroras on Nov. 11th or 12th when the cloud sweeps past our planet.

You are currently subscribed to spaceweather as: paul.verhage@...
To unsubscribe send a blank email to leave-spaceweather-832600C@...

5031. GPS receiver power consumption

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-11 14:31:59 UTC
From: K. Mark Caviezel
Topic: 5031 Message: 5031

I recall reading in the Etrex docs that it's rated for
24 hrs on alkalines in battery saver mode ($&$*#*#
documentation tells you how to turn batt saver mode
on, but doesn't tell you what it does to the
performance), regardless, my etrex + TT2 unit has
worked fine for me on a handful of balloon missions.
I seem to get comparable performance out of the Etrex
that I run on alklines on the ground, although NiMH
AAs are only good for 6 hrs, probably because of the
lower voltage of the NiMHs.
Now, of course we're not going to fly alkalines.
Lithium AA's have significantly more total energy, but
the output is degraded if the batteries are cold
during discharge. I'm probably going to fly a
tracker on next EOSS flight next week. I may just
turn it on, then leave it on (outside, probably 25F
overnite) until it dies. Instead of logging, I may
just look at findu.com for last packet.

Some EOSS guys have been playing around with slow scan
TV. Check out MMSSTV, it's a pretty slick package
that will turn your laptop into a portable SSTV
broadcast device. (You can simply key the mic, hit
'go' on the laptop and hold mic next to speaker output
to generate tones without building a cable.

blue skies
- KMC

--- tvnsp@yahoogroups.com wrote:
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>

>
> There are 9 messages in this issue.
>
> Topics in this digest:
>
> 1. RE: Fwd: [aprssig] RE: Radio Shack $99 GPS
> From: "Tony Barrett"
> <tonybarrett@...>
> 2. RE: Fwd: [aprssig] RE: Radio Shack $99 GPS
> From: "Tony Barrett"

> <tonybarrett@...>
> 3. Re: Experiment
> From: <verhap@...>
> 4. Re: Accelerometers
> From: <verhap@...>
> 5. Re: pop
> From: <verhap@...>
> 6. (Fwd) GPS receiver power consumption
> From: <verhap@...>
> 7. Re: Accelerometers
> From: "Tim Rynearson"
> <n7ubo@...>
> 8. ORB-2 UPDATE
> From: "Harry M" <harrymue@...>
> 9. ORB-2 Website
> From: "Harry M" <harrymue@...>
>
>
>

>

>
> Message: 1
> Date: Sun, 10 Nov 2002 08:51:45 -0700
> From: "Tony Barrett" <tonybarrett@...>
> Subject: RE: Fwd: [aprssig] RE: Radio Shack $99 GPS
>
> Hey Randy,
>
>
>
> Outlook refuses to open the attachment. Any tips?
>
>
>
> I was interested in reading the first hand report on
> the RS gps. Is it
> something you can cut & paste?
>
>
>
> Thanks,
>
>
>
> Tony
>
>
>

> -----Original Message-----
> From: Randy Farley [mailto:rfarley@...]
> Sent: Friday, November 08, 2002 8:18 AM
> To: tvnsp@yahoogroups.com
> Subject: [tvnsp] Fwd: [aprssig] RE: Radio Shack $99
> GPS
>
>
>
> Here is a first hand report on the RS gps.
>
>
>
> regards
>
>
>
>
> Randy Farley
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to the Yahoo!
> Terms of Service
> <http://docs.yahoo.com/info/terms/> .
>
>
>
> [This message contained attachments]
>
>
>
>

>

>
> Message: 2
> Date: Sun, 10 Nov 2002 09:25:32 -0700
> From: "Tony Barrett" <tonybarrett@...>
> Subject: RE: Fwd: [aprssig] RE: Radio Shack $99 GPS
>
> Sorry! Problem on my end. Got it figured out.
> Enjoyed the report.
> Thanks Randy!
>

>
>
> -----Original Message-----
> From: Tony Barrett
> [mailto:tonybarrett@...]
> Sent: Sunday, November 10, 2002 8:52 AM
> To: 'tvnsp@yahoogroups.com'
> Subject: RE: [tvnsp] Fwd: [aprssig] RE: Radio Shack
> $99 GPS
>
>
>
> Hey Randy,
>
>
>
> Outlook refuses to open the attachment. Any tips?
>
>
>
> I was interested in reading the first hand report on
> the RS gps. Is it
> something you can cut & paste?
>
>
>
> Thanks,
>
>
>
> Tony
>
>
>
> -----Original Message-----
> From: Randy Farley [mailto:rfarley@...]
> Sent: Friday, November 08, 2002 8:18 AM
> To: tvnsp@yahoogroups.com
> Subject: [tvnsp] Fwd: [aprssig] RE: Radio Shack $99
> GPS
>
>
>
> Here is a first hand report on the RS gps.
>
>
>
> regards
>
>

>
>
> Randy Farley
>
>
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>
>
>
> Your use of Yahoo! Groups is subject to the Yahoo!
> Terms of Service
> <http://docs.yahoo.com/info/terms/> .
>
>
>
> [This message contained attachments]
>
>
>
>

>

>
> Message: 3
> Date: Sun, 10 Nov 2002 12:51:25 -700
> From: <verhap@...>
> Subject: Re: Experiment
>
> We'll have room and weight. Can you drop the
> experiment off with
> someone and show them how to operate it?
>
> We are scheduled to have the FRR on Thursday.
> Perhaps you
> could attend?
>
> Paul
>
> > I understand there is a scheduled TVNSP flight
> this 16 November. I
> > would like to include a small experiment in
> someones capsule but need
> > a resource. Does anyone have a Thermocron to sell
> or that I could
> > borrow for the flight. I am going to put together
> a very small
> > insulated package of foam. I intend to put a small
> hand warmer heat

> > packet inside. I can't make the launch as I have
> to work. I would
> > need someone to activate the packet just prior to
> the launch. It then
> > needs to be placed in the Foam package with the
> Thermocron. I would
> > like to see how well this works as a heat source
> as the air thins and
> > temerature drops. Also, does anyone have room in a
> capsule for this
> > to go up in? It will be about double the size of a
> ring box and weigh
> > only about as much as one too.
> >
> > Dan
> >
> >
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> >
> >
> > Your use of Yahoo! Groups is subject to
> http://docs.yahoo.com/info/terms/
> >
> >
>
>
>
>
>

>

>
> Message: 4
> Date: Sun, 10 Nov 2002 12:55:50 -700
> From: <verhap@...>
> Subject: Re: Accelerometers
>
> I find mine in the mailbox.
>
> I believe they're available at Borders. One good
> thing to say about
> Boise is that it has two good bookstores next to
> each other.
>
> Paul
>
> > Where do I get a copy of Nuts and Volts locally?

> >
> > Jeff
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> > verhap@... wrote:
> > >
> > > Nuts and Volts will have an article on an
> accelerometer
> > > application
> > > for the Basic Stamp next month.
> > >
> > > Paul
> > >
> > > Yahoo! Groups Sponsor
> > > ADVERTISEMENT
> > > [Image]
> > >
> > >
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>

>
> Message: 5
> Date: Sun, 10 Nov 2002 12:58:43 -700
> From: <verhap@...>
> Subject: Re: pop
>
> > noise of balloons bursting -

> > yes, I've reviewed tape for lofted camcorders, the
> pop
> > of the balloon is very obvious, but there is a lot
> of
> > other noise as well, stuff shifting around, I
> think
> > the automatic gain control on the Sony camcorders
> > jacks itself way up and gets lots of stuff.
> > For a latex balloon, the ascent is continuous
> motion
> > and there is plenty of noise on the camcorder
> audio.
>
> It seems pretty quiet once the balloon gets way up
> there. I've not
> tried determining the minimum altitude, but if ythe
> balloon bursts at
> 85,000, about the only thing I've heard is the
> burst. once the
> capsule is on the way back down, there's lots of
> wind noise (roar!).
>
> But certainly early on, there's lots of other noise.
> Camcorders had
> a built-in level of noise. That may complicate
> things.
>
> Paul
>
>
>
>

>

>
> Message: 6
> Date: Sun, 10 Nov 2002 13:06:01 -700
> From: <verhap@...>
> Subject: (Fwd) GPS receiver power consumption
>
> Ralph Wallio is looking at current requirements for
> GPS receivers.
> Jeff, as I recall, you measures the number of hours
> of use from an
> Etrex. Can you forward to Ralph the kind of
> batteries and the
> number of hours of use you got from them?
>
> Paul

>
++
> From: "Ralph Wallio, W0RPK"
> <wallio@...>
> Subject: GPS receiver power consumption
> Date sent: Sun, 10 Nov 2002 12:13:27 -0600
>
> One of my SolarFloater decisions is which GPS
> receiver to use. Assuming
> other specifications are close to equal the decision
> is based on power
> consumption (the receiver will be running 100% to
> constantly feed data to a
> 115kbps telemetry link). Here are the power spec's
> I find. Please check
> this over for gross errors.
>
> GARMIN eTrex (TVNSP - EOOS)
> Includes antenna and display
> Power consumption unknown and not specified
>
>
>
>
>

>

>
> Message: 7
> Date: Sun, 10 Nov 2002 15:06:51 -0700 (Mountain
> Standard Time)
> From: "Tim Rynearson" <n7ubo@...>
> Subject: Re: Accelerometers
>
> Another couple of good sources might be RJM
> Electronics and Radar Electric,
> both on Overland. I used to get mine from RJM when
> Bob (also a ham) was a
> single-man operation.
>
> Tim
>
> -------Original Message-------
>
> From: tvnsp@yahoogroups.com
> Date: Sunday, November 10, 2002 12:55:09 PM
> To: tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] Accelerometers
>

> I find mine in the mailbox.
>
> I believe they're available at Borders. One good
> thing to say about
> Boise is that it has two good bookstores next to
> each other.
>
> Paul
>
> > Where do I get a copy of Nuts and Volts locally?
> >
> > Jeff
> > KD7INN
> >
> > verhap@... wrote:
> > >
> > > Nuts and Volts will have an article on an
> accelerometer
> > > application
> > > for the Basic Stamp next month.
> > >
> > > Paul
> > >
> > > Yahoo! Groups Sponsor
> > > ADVERTISEMENT
> > > [Image]
> > >
> > >
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>
>
> .
>
> [This message contained attachments]
>
>
>
>

>

>
> Message: 8
> Date: Sun, 10 Nov 2002 18:08:10 -0600
> From: "Harry M" <harrymue@...>
> Subject: ORB-2 UPDATE
>
>
> ORB-2 UPDATE
>
> ORB-2 was launched at 09:07 Sat. morning. The beacon
> was heard loud
> and clear as it sailed away (blown away) to the NNE.
> The chase crews
> were late departing the launch area, you know, stand
> around and watch
> the balloons sail away (oohs, aaahs & wow's), while
> shooting the breeze,
> and there was plenty of it that morning. HiHi!
> Something like 18 mph
> gusting to 28 mph. The first attempts from out on
> the road to listen
> for the beacon were in vain. It could not be heard
> and was never heard
> again. We vacuumed the countryside with our Ht's and
> antennas until
> noon when we all gave up and met for a great BBQ
> lunch back in
> Collinsville. Everyone enjoyed the beautiful day and
> can't wait until
> the next time. We will be back!

>
> -----
>
> Two stations heard the beacon from their QTH.
> Jim-K5LAD, Owasso, Ok submitted this report:
>
> I first heard the signal at 9:07 -- loud and clear.
> 9:12 - strongest signal from 10 degrees
> 9:14 - 20 degrees
> 9:16 - 20 degrees
> 9:18 - 15 degrees
> 9:20 - 25 degrees
> 9:24 - 30 degrees - weak signal
> 9:25 - 25 degrees - signal a bit stronger
> 9:27 - 15 degrees
> 9:29 - 20 degrees - weak signal
> 9:30 - 20 degrees
> 9:32 - 20 degrees - weak signal
> 9:34 - could no longer hear the beacon
>
> and
>
> Eddie-KC5TER, Chelsea, Ok said he heard it for about
> 15 min. after launch.
>
> -----
>
> Thanks to the following who helped direcly and
> indirectly:
>
> Chase - SkyBlazers R/C Club
> Richard - SkyBlazers R/C Club
> KD5OIJ Dave
> KD5AFS Grant
> KF5RD Pete
> K5TTT Charlie-Thanks for the ARRL brief!
> http://www.arrl.org/sections/?sect=OK
> KC5ARC Calvin
> KC5ZQM Doug
> KC5TER Eddie
> K5LAD Jim
> W5OKL Richie
> KD5TXM Larry
>
> -----
>
> 73
> Harry-KC5TRB
> Oklahoma Research Balloons
>

>
> ORB-1 Website (UpDated)
> http://www.gbronline.com/harrymue/orb1/
> ORB-2 Website (Coming Soon)
> http://www.gbronline.com/harrymue/orb2/
>
>
>
>
> [This message contained attachments]
>
>
>
>

>

>
> Message: 9
> Date: Sun, 10 Nov 2002 23:42:49 -0600
> From: "Harry M" <harrymue@...>
> Subject: ORB-2 Website
>
>
> ORB-2 Pictures are posted.
> http://www.gbronline.com/harrymue/orb2/
>
> Harry
>
>
> [This message contained attachments]
>
>
>
>

>

>
>
>
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>
>

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U2 on LAUNCH - Exclusive greatest hits videos
http://launch.yahoo.com/u2

5032. Re: Experiment

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-11 14:53:48 UTC
From: aerobotics58
Topic: 5015 Message: 5032

Paul -

I'm going to wait till next years launches. I have to get better prepared including getting a couple of thermocrons to use. Thanks and good luck. I'll see you on the 2003 launches.

Dan

--- In tvnsp@y..., <verhap@o...> wrote:
> We'll have room and weight. Can you drop the experiment off with
> someone and show them how to operate it?
>
> We are scheduled to have the FRR on Thursday. Perhaps you
> could attend?
>
> Paul
>
> > I understand there is a scheduled TVNSP flight this 16 November. I
> > would like to include a small experiment in someones capsule but need
> > a resource. Does anyone have a Thermocron to sell or that I could
> > borrow for the flight. I am going to put together a very small
> > insulated package of foam. I intend to put a small hand warmer heat
> > packet inside. I can't make the launch as I have to work. I would
> > need someone to activate the packet just prior to the launch. It then
> > needs to be placed in the Foam package with the Thermocron. I would
> > like to see how well this works as a heat source as the air thins and
> > temerature drops. Also, does anyone have room in a capsule for this
> > to go up in? It will be about double the size of a ring box and weigh
> > only about as much as one too.
> >
> > Dan
> >
> >
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> >
> >
> >

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http://docs.yahoo.com/info/terms/
> >
> >

5033. Re: [tvnsp] GPS receiver power consumption

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-11 15:09:09 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5031 Message: 5033

The only problem I have with the Etrex is that it will not tun itself on
as the power comes up, you have to push the power button. We
had a flight where the batteries got too cold during descent,
shutting off the Etrex. Once the interior warmed up, the power
came back up, but the Etrex would not turn itself back on. It's kind
of tough to turn the Etrex back on when you can't locate it because
it shut itself off at 30,000 feet.

Jeff and I played around with wiring up the power switch for flight
computer control. I will probably incorporate that "fix" in my next
book (here I am talking about a second book when my first is only
70% complete).

Paul

> I recall reading in the Etrex docs that it's rated for
> 24 hrs on alkalines in battery saver mode ($&$*#*#
> documentation tells you how to turn batt saver mode
> on, but doesn't tell you what it does to the
> performance), regardless, my etrex + TT2 unit has
> worked fine for me on a handful of balloon missions.
> I seem to get comparable performance out of the Etrex
> that I run on alklines on the ground, although NiMH
> AAs are only good for 6 hrs, probably because of the
> lower voltage of the NiMHs.
> Now, of course we're not going to fly alkalines.
> Lithium AA's have significantly more total energy, but
> the output is degraded if the batteries are cold
> during discharge. I'm probably going to fly a
> tracker on next EOSS flight next week. I may just
> turn it on, then leave it on (outside, probably 25F
> overnite) until it dies. Instead of logging, I may
> just look at findu.com for last packet.
>
> Some EOSS guys have been playing around with slow scan
> TV. Check out MMSSTV, it's a pretty slick package
> that will turn your laptop into a portable SSTV
> broadcast device. (You can simply key the mic, hit
> 'go' on the laptop and hold mic next to speaker output
> to generate tones without building a cable.
>
> blue skies
> - KMC
>
>
>

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>
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>
>
>
> --- tvnsp@yahoogroups.com wrote:
> > To unsubscribe from this group, send an email to:
> > tvnsp-unsubscribe@egroups.com
> >
> >
> >
> --
> >
> > There are 9 messages in this issue.
> >
> > Topics in this digest:
> >
> > 1. RE: Fwd: [aprssig] RE: Radio Shack $99 GPS
> > From: "Tony Barrett"
> > <tonybarrett@...>
> > 2. RE: Fwd: [aprssig] RE: Radio Shack $99 GPS
> > From: "Tony Barrett"
> > <tonybarrett@...>
> > 3. Re: Experiment
> > From: <verhap@...>
> > 4. Re: Accelerometers
> > From: <verhap@...>
> > 5. Re: pop
> > From: <verhap@...>
> > 6. (Fwd) GPS receiver power consumption
> > From: <verhap@...>
> > 7. Re: Accelerometers
> > From: "Tim Rynearson"
> > <n7ubo@...>
> > 8. ORB-2 UPDATE
> > From: "Harry M" <harrymue@...>
> > 9. ORB-2 Website
> > From: "Harry M" <harrymue@...>
> >
> >
> >
> ____
> >
> ____
> >

> > Message: 1
> > Date: Sun, 10 Nov 2002 08:51:45 -0700
> > From: "Tony Barrett" <tonybarrett@...>
> > Subject: RE: Fwd: [aprssig] RE: Radio Shack $99 GPS
> >
> > Hey Randy,
> >
> >
> >
> > Outlook refuses to open the attachment. Any tips?
> >
> >
> >
> > I was interested in reading the first hand report on
> > the RS gps. Is it
> > something you can cut & paste?
> >
> >
> >
> > Thanks,
> >
> >
> >
> > Tony
> >
> >
> >
> > -----Original Message-----
> > From: Randy Farley [mailto:rfarley@...]
> > Sent: Friday, November 08, 2002 8:18 AM
> > To: tvnsp@yahoogroups.com
> > Subject: [tvnsp] Fwd: [aprssig] RE: Radio Shack $99
> > GPS
> >
> >
> >
> > Here is a first hand report on the RS gps.
> >
> >
> >
> > regards
> >
> >
> >
> > Randy Farley
> >
> >
> > To unsubscribe from this group, send an email to:
> > tvnsp-unsubscribe@egroups.com

> >
> >
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> >
> >
> > [This message contained attachments]
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> >
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> --
> >
> --
> >
> > Message: 2
> > Date: Sun, 10 Nov 2002 09:25:32 -0700
> > From: "Tony Barrett" <tonybarrett@...>
> > Subject: RE: Fwd: [aprssig] RE: Radio Shack $99 GPS
> >
> > Sorry! Problem on my end. Got it figured out.
> > Enjoyed the report.
> > Thanks Randy!
> >
> >
> >
> > -----Original Message-----
> > From: Tony Barrett
> > [mailto:tonybarrett@...]
> > Sent: Sunday, November 10, 2002 8:52 AM
> > To: 'tvnsp@yahoogroups.com'
> > Subject: RE: [tvnsp] Fwd: [aprssig] RE: Radio Shack
> > $99 GPS
> >
> >
> >
> > Hey Randy,
> >
> >
> >
> > Outlook refuses to open the attachment. Any tips?
> >
> >
> >
> > I was interested in reading the first hand report on
> > the RS gps. Is it
> > something you can cut & paste?

> >
> >
> >
> > Thanks,
> >
> >
> >
> > Tony
> >
> >
> >
> > -----Original Message-----
> > From: Randy Farley [mailto:rfarley@...]
> > Sent: Friday, November 08, 2002 8:18 AM
> > To: tvnsp@yahoogroups.com
> > Subject: [tvnsp] Fwd: [aprssig] RE: Radio Shack $99
> > GPS
> >
> >
> >
> > Here is a first hand report on the RS gps.
> >
> >
> >
> > regards
> >
> >
> >
> >
> > Randy Farley
> >
> >
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> >
> > [This message contained attachments]
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> > --
> >

> _____
> >
> > Message: 3
> > Date: Sun, 10 Nov 2002 12:51:25 -700
> > From: <verhap@...>
> > Subject: Re: Experiment
> >
> > We'll have room and weight. Can you drop the
> > experiment off with
> > someone and show them how to operate it?
> >
> > We are scheduled to have the FRR on Thursday.
> > Perhaps you
> > could attend?
> >
> > Paul
> >
> > > I understand there is a scheduled TVNSP flight
> > this 16 November. I
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> > > needs to be placed in the Foam package with the
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> > as the air thins and
> > > temerature drops. Also, does anyone have room in a
> > capsule for this
> > > to go up in? It will be about double the size of a
> > ring box and weigh
> > > only about as much as one too.
> > >
> > > Dan
> > >
> > >
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> > >
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> --
> >
> --
> >
> > Message: 4
> > Date: Sun, 10 Nov 2002 12:55:50 -700
> > From: <verhap@...>
> > Subject: Re: Accelerometers
> >
> > I find mine in the mailbox.
> >
> > I believe they're available at Borders. One good
> > thing to say about
> > Boise is that it has two good bookstores next to
> > each other.
> >
> > Paul
> >
> > > Where do I get a copy of Nuts and Volts locally?
> > >
> > > Jeff
> > > KD7INN
> > >
> > > verhap@... wrote:
> > > >
> > > > Nuts and Volts will have an article on an
> > accelerometer
> > > > application
> > > > for the Basic Stamp next month.
> > > >
> > > > Paul
> > > >
> > > > Yahoo! Groups Sponsor
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> --
> >
> --
> >
> > Message: 5
> > Date: Sun, 10 Nov 2002 12:58:43 -700
> > From: <verhap@...>
> > Subject: Re: pop
> >
> > > noise of balloons bursting -
> > > yes, I've reviewed tape for lofted camcorders, the
> > pop
> > > of the balloon is very obvious, but there is a lot
> > of
> > > other noise as well, stuff shifting around, I
> > think
> > > the automatic gain control on the Sony camcorders
> > > jacks itself way up and gets lots of stuff.
> > > For a latex balloon, the ascent is continuous
> > motion
> > > and there is plenty of noise on the camcorder
> > audio.
> >
> > It seems pretty quiet once the balloon gets way up
> > there. I've not
> > tried determining the minimum altitude, but if ythe
> > balloon bursts at
> > 85,000, about the only thing I've heard is the
> > burst. once the
> > capsule is on the way back down, there's lots of
> > wind noise (roar!).
> >
> > But certainly early on, there's lots of other noise.

> > Camcorders had
> > a built-in level of noise. That may complicate
> > things.
> >
> > Paul
> >
> >
> >
> >
> --
> >
> --
> >
> > Message: 6
> > Date: Sun, 10 Nov 2002 13:06:01 -700
> > From: <verhap@...>
> > Subject: (Fwd) GPS receiver power consumption
> >
> > Ralph Wallio is looking at current requirements for
> > GPS receivers.
> > Jeff, as I recall, you measures the number of hours
> > of use from an
> > Etrex. Can you forward to Ralph the kind of
> > batteries and the
> > number of hours of use you got from them?
> >
> > Paul
> >
> ++
> > From: "Ralph Wallio, W0RPK"
> > <wallio@...>
> > Subject: GPS receiver power consumption
> > Date sent: Sun, 10 Nov 2002 12:13:27 -0600
> >
> > One of my SolarFloater decisions is which GPS
> > receiver to use. Assuming
> > other specifications are close to equal the decision
> > is based on power
> > consumption (the receiver will be running 100% to
> > constantly feed data to a
> > 115kbps telemetry link). Here are the power spec's
> > I find. Please check
> > this over for gross errors.
> >
> > GARMIN eTrex (TVNSP - EOOS)
> > Includes antenna and display
> > Power consumption unknown and not specified
> >
> >
> >

> >
> >
> _____
> >
> _____
> >
> > Message: 7
> > Date: Sun, 10 Nov 2002 15:06:51 -0700 (Mountain
> > Standard Time)
> > From: "Tim Rynearson" <n7ubo@...>
> > Subject: Re: Accelerometers
> >
> > Another couple of good sources might be RJM
> > Electronics and Radar Electric,
> > both on Overland. I used to get mine from RJM when
> > Bob (also a ham) was a
> > single-man operation.
> >
> > Tim
> >
> > -------Original Message-------
> >
> > From: tvnsp@yahoogroups.com
> > Date: Sunday, November 10, 2002 12:55:09 PM
> > To: tvnsp@yahoogroups.com
> > Subject: Re: [tvnsp] Accelerometers
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> > > > Yahoo! Groups Sponsor
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> > > > [Image]
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> > [This message contained attachments]
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> _____
> >
> _____
> >
> > Message: 8
> > Date: Sun, 10 Nov 2002 18:08:10 -0600

> > From: "Harry M" <harrymue@...>
> > Subject: ORB-2 UPDATE
> >
> >
> > ORB-2 UPDATE
> >
> > ORB-2 was launched at 09:07 Sat. morning. The beacon
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> > The chase crews
> > were late departing the launch area, you know, stand
> > around and watch
> > the balloons sail away (oohs, aaahs & wow's), while
> > shooting the breeze,
> > and there was plenty of it that morning. HiHi!
> > Something like 18 mph
> > gusting to 28 mph. The first attempts from out on
> > the road to listen
> > for the beacon were in vain. It could not be heard
> > and was never heard
> > again. We vacuumed the countryside with our Ht's and
> > antennas until
> > noon when we all gave up and met for a great BBQ
> > lunch back in
> > Collinsville. Everyone enjoyed the beautiful day and
> > can't wait until
> > the next time. We will be back!
> >
> > -----
> >
> > Two stations heard the beacon from their QTH.
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> > 9:12 - strongest signal from 10 degrees
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> > Richard - SkyBlazers R/C Club
> > KD5OIJ Dave
> > KD5AFS Grant
> > KF5RD Pete
> > K5TTT Charlie-Thanks for the ARRL brief!
> > http://www.arrl.org/sections/?sect=OK
> > KC5ARC Calvin
> > KC5ZQM Doug
> > KC5TER Eddie
> > K5LAD Jim
> > W5OKL Richie
> > KD5TXM Larry
> >
> > -----
> >
> > 73
> > Harry-KC5TRB
> > Oklahoma Research Balloons
> >
> >
> > ORB-1 Website (UpDated)
> > http://www.gbronline.com/harrymue/orb1/
> > ORB-2 Website (Coming Soon)
> > http://www.gbronline.com/harrymue/orb2/
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> >
> > [This message contained attachments]
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> _____
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> _____
> >
> > Message: 9
> > Date: Sun, 10 Nov 2002 23:42:49 -0600
> > From: "Harry M" <harrymue@...>
> > Subject: ORB-2 Website
> >

> >
> > ORB-2 Pictures are posted.
> > http://www.gbronline.com/harrymue/orb2/
> >
> > Harry
> >
> >
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> >
>
>
> ---
> Do you Yahoo!?
> U2 on LAUNCH - Exclusive greatest hits videos
> http://launch.yahoo.com/u2
>
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>
>

5034. Re: [tvnsp] ORB-2 Website

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-11 17:49:27 UTC
From: Randy Farley
Topic: 5029 Message: 5034

Nice Pictures Harry

What is your source for the party balloons you use?
How much free lift per balloon are you getting?

Good luck next time.

regards

Randy Farley

>>> harrymue@... 11/10/02 10:42PM >>>

ORB-2 Pictures are posted.
http://www.gbronline.com/harrymue/orb2/

Harry

To unsubscribe from this group, send an email to:
tvnsp-unsubscribe@...m

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5035. Thermocrons

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-11 22:46:18 UTC
From: aerobotics58
Topic: 5035 Message: 5035

Paul -

I have been looking for the Dallas Semiconductor thermocrons at Maxim IC. I found 4 chip that are described as being in DIP packages. Do you know the part no of the units you guys have used? I need to pick up a pair. Thanks Paul
Dan

5036. FRR Meeting this Thursday 11/14 6:30pm MST

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-11 23:38:38 UTC
From: Mike Garske
Topic: 5036 Message: 5036

Group,

Just a reminder, we will be having a Flight Readiness Review for TV02H, scheduled for launch on Saturday 11/16/02. We are having it at my house in Meridian. If you need directions, please email me at kc7dpd@velocitus.net, and I will send them to the individuals who need them.

Also, we need to start watching the upper level winds from here on to Saturday. The forecast on weather.com says mostly cloudy on Saturday, so far.

Mike KC7DPD
kc7dpd@...
www.tvnsp.org

5037. Re: [tvnsp] ORB-2 Website

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-12 00:27:41 UTC
From: Harry M
Topic: 5029 Message: 5037

Thanks Randy!

There is a local store called "Absolutely Balloons".
I get them there an they get them from Qualatex.

I tried to measure the lift on the first balloon filled, but
the wind was whipping it around and the scale never registered.
I didn't try the second one. The wind was really blowing and we
were afraid of a ground burst.

73
Harry

Nice Pictures Harry

What is your source for the party balloons you use?
How much free lift per balloon are you getting?

Good luck next time.

5038. Re: [tvnsp] Thermocrons

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-12 01:30:48 UTC
From: Harry M
Topic: 5035 Message: 5038

I happened upon this while searching for something else.
Thought it might be of interest.

PALM INTERFACE FOR THERMOCHRON
http://www3.sympatico.ca/photologic/pg.htm

Harry
KC5TRB

5039. Re: [tvnsp] Thermocrons

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-12 01:43:07 UTC
From: Mike Garske
Topic: 5035 Message: 5039

Dan,

I put in an order for 2 thermochrons through Dallas Semiconductor about a month ago, on the website it said there was a two week wait. Still waiting! Although the ship date is supposedly 11/4/02. I have received the thermochron reader so far. The part number for the thermochrons is: DS1921L-F52. They are listed at $14.39 each. Hope this helps!

Mike KC7DPD
www.tvnsp.org

----- Original Message -----
From: "aerobotics58" <paulson58@...>
To: <tvnsp@yahoogroups.com>
Sent: Monday, November 11, 2002 3:46 PM
Subject: [tvnsp] Thermocrons

> Paul -
>
> I have been looking for the Dallas Semiconductor thermocrons at Maxim
> IC. I found 4 chip that are described as being in DIP packages. Do
> you know the part no of the units you guys have used? I need to pick
> up a pair. Thanks Paul
> Dan
>
>
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>
>

5040. Re: [tvnsp] Thermocrons

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-12 02:16:46 UTC
From: Mark Conner
Topic: 5035 Message: 5040

I just checked Maxim today and most all thermochrons have a 12-week wait now - I was considering ordering a couple more for myself. They have a couple models in stock, but they're high resolution and narrow range (near freezing or near body temperature).

73 de Mark N9XTN
----- Original Message -----
From: Mike Garske
To: tvnsp@yahoogroups.com
Sent: Monday, November 11, 2002 19:43
Subject: Re: [tvnsp] Thermocrons

Dan,

I put in an order for 2 thermochrons through Dallas Semiconductor about a month ago, on the website it said there was a two week wait. Still waiting! Although the ship date is supposedly 11/4/02. I have received the thermochron reader so far. The part number for the thermochrons is: DS1921L-F52. They are listed at $14.39 each. Hope this helps!

Mike KC7DPD
www.tvnsp.org

----- Original Message -----
From: "aerobotics58" <paulson58@juno.com>
To: <tvnsp@yahoogroups.com>
Sent: Monday, November 11, 2002 3:46 PM
Subject: [tvnsp] Thermocrons

> Paul -
>
> I have been looking for the Dallas Semiconductor thermocrons at Maxim
> IC. I found 4 chip that are described as being in DIP packages. Do
> you know the part no of the units you guys have used? I need to pick
> up a pair. Thanks Paul
> Dan

5041. Re: [tvnsp] Accelerometers

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-12 02:46:06 UTC
From: John Knapp
Topic: 4995 Message: 5041

I believe the magazine is also found at Current
Source.

JohnK
KD7HGS
--- verhap@... wrote:
> I find mine in the mailbox.
>
> I believe they're available at Borders. One good
> thing to say about
> Boise is that it has two good bookstores next to
> each other.
>
> Paul
>
> > Where do I get a copy of Nuts and Volts locally?
> >
> > Jeff
> > KD7INN
> >
> > verhap@... wrote:
> > >
> > > Nuts and Volts will have an article on an
> accelerometer
> > > application
> > > for the Basic Stamp next month.
> > >
> > > Paul
> > >
> > > Yahoo! Groups Sponsor
> > > ADVERTISEMENT
> > > [Image]
> > >
> > >
> > > To unsubscribe from this group, send an email
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5042. Re: FRR Meeting this Thursday 11/14 6:30pm MST

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-12 04:02:34 UTC
From: jiminy_cricket41
Topic: 5036 Message: 5042

Sorry that I didn't make it to the meeting last friday,
I had some other stuff I had to get done. But, being a
new member, I'm not sure how you do things around here...
Is the FRR something that benjamin and I could come to?
I'd like to be able to go the the launch as well. Could
we come to this? If so, I guess I'll need directions, as
well as information on time and what we need to bring...

thank you!
David

--- In tvnsp@y..., "Mike Garske" <kc7dpd@v...> wrote:
> Group,
>
> Just a reminder, we will be having a Flight Readiness Review for
TV02H, scheduled for launch on Saturday 11/16/02. We are having it at
my house in Meridian. If you need directions, please email me at
kc7dpd@v..., and I will send them to the individuals who need them.
>
> Also, we need to start watching the upper level winds from here on
to Saturday. The forecast on weather.com says mostly cloudy on
Saturday, so far.
>
> Mike KC7DPD
> kc7dpd@v...
> www.tvnsp.org

5043. Re: Thermocrons

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-12 04:56:39 UTC
From: aerobotics58
Topic: 5035 Message: 5043

Mike -

Thanks, Thats perfect. Just the information I needed. Too bad about
the delay but I won't be needing mine for a little while.

Dan

--- In tvnsp@y..., "Mike Garske" <kc7dpd@v...> wrote:
> Dan,
>
> I put in an order for 2 thermochrons through Dallas Semiconductor
about a
> month ago, on the website it said there was a two week wait. Still
waiting!
> Although the ship date is supposedly 11/4/02. I have received the
> thermochron reader so far. The part number for the thermochrons is:
> DS1921L-F52. They are listed at $14.39 each. Hope this helps!
>
> Mike KC7DPD
> www.tvnsp.org
>
>
> ----- Original Message -----
> From: "aerobotics58" <paulson58@j...>
> To: <tvnsp@y...>
> Sent: Monday, November 11, 2002 3:46 PM
> Subject: [tvnsp] Thermocrons
>
>
> > Paul -
> >
> > I have been looking for the Dallas Semiconductor thermocrons at
Maxim
> > IC. I found 4 chip that are described as being in DIP packages. Do
> > you know the part no of the units you guys have used? I need to
pick
> > up a pair. Thanks Paul
> > Dan
> >
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> >
> >

5044. Re: Thermocrons

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-12 07:32:23 UTC
From: Hank
Topic: 5035 Message: 5044

Mike,

Chances are you'll not get any Thermochrons from Maxim.
People have been waiting over 18 months for their orders
to be filled. There have been some instances of one or
two showing up every once in a while, but there has been
no consistent supply for about 2 years.

As to what Maxim told Mark, they just keep pushing the
available date forward. This has been going on for over
a year. They were supposed to be available at this time
LAST YEAR.

I'm quoting below a message from one of the ibutton mail
lists written by a developer in Virginia who doesn't like
the lying. It's too bad Maxim can't tell the truth.

Hank

October 29, 2002

> Does anyone know when Thermocrons will be released. All I
> see on the 1 wire mailing list are things like "our supplier
> has been waiting for two years" and "suppliers cant get them"
>
> Is there any point to having this list if the Thermocrons
> are not available?
>
> All I have seen from Maxim so far is that Thermocrons which
> meet the stated spec are not available. Other Thermocrons
> may be available later.

The most intriguing question is why ThermoChrons were freely
available from Dallas before its acquisiton by Maxim, never
thereafter.

And why Maxim continues to take orders for these parts
knowing they will never ship.

==========
Robert A. LaBudde, PhD, PAS, Dpl. ACAFS e-mail: ral@...
Least Cost Formulations, Ltd. URL: http://lcfltd.com/
824 Timberlake Drive Tel: 757-467-0954
Virginia Beach, VA 23464-3239 Fax: 757-467-2947
==========

5045. Re: ORB-2 balloon lift

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-12 07:46:13 UTC
From: Hank
Topic: 5029 Message: 5045

> How much free lift per balloon are you getting?

Randy,

I've been discussing a few issues with Harry
so I can provide you some actual figures. Harry
has done some careful measurements and it
turns out that his big party balloons are very
close to 30 grams, which is a standard met balloon
weight so LIFTWIN can be used to get exact freelift
figures very nicely:

2 feet 3 1/2 ounces
2 1/4 feet 5 ounces
2 1/2 feet 7 1/2 ounces
2 3/4 feet 10 1/2 ounces

That's for helium, sea level, and 60 degrees.

Hank

5046. Re: [tvnsp] Re: Thermocrons

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-12 08:24:00 UTC
From: Stephanie Steele
Topic: 5035 Message: 5046

It's even worse than lying. I called and asked them when my order placed September 1st would be shipped. In response they said they would send me a portion of my order that they had in stock. This consisted of three fobs, each in a large (24" x 36" x 17") carton, shipped on the same day from the same address, and charged me $10 shipping for each carton. For those who do not know, the plastic fobs weigh less than an ounce each and measure about 1" x .5" x .10".

They also told me that they are unable to get any quantity of Thermochrons and I would have to wait to get mine as the few they do get trickle in. They would not specify why the supply was short or if anything was being done about it.

When I called to complain about the shipping rip off they were not interested in hearing about it and in fact told me to expect more of the same as more parts of my order became available. This company is the pits to deal with.

Stephanie

Hank wrote:
> Mike,
>
> Chances are you'll not get any Thermochrons from Maxim.
> People have been waiting over 18 months for their orders
> to be filled. There have been some instances of one or
> two showing up every once in a while, but there has been
> no consistent supply for about 2 years.
>
> As to what Maxim told Mark, they just keep pushing the
> available date forward. This has been going on for over
> a year. They were supposed to be available at this time
> LAST YEAR.
>
> I'm quoting below a message from one of the ibutton mail
> lists written by a developer in Virginia who doesn't like
> the lying. It's too bad Maxim can't tell the truth.
>
> Hank
> ----------
>
> October 29, 2002
>
> > Does anyone know when Thermocrons will be released. All I
> > see on the 1 wire mailing list are things like "our supplier
> > has been waiting for two years" and "suppliers cant get them"

> >
> > Is there any point to having this list if the Thermocrons
> > are not available?
> >
> > All I have seen from Maxim so far is that Thermocrons which
> > meet the stated spec are not available. Other Thermocrons
> > may be available later.
>
> The most intriguing question is why ThermoChrons were freely
> available from Dallas before its acquisiton by Maxim, never
> thereafter.
>
> And why Maxim continues to take orders for these parts
> knowing they will never ship.
>
> ==
> Robert A. LaBudde, PhD, PAS, Dpl. ACAFS e-mail: ral@...
> Least Cost Formulations, Ltd. URL: http://lcfltd.com/
> 824 Timberlake Drive Tel: 757-467-0954
> Virginia Beach, VA 23464-3239 Fax: 757-467-2947
> ==
>
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--
Stephanie

****

Friends are quiet angels who lift us to our feet when our wings have
trouble remembering how to fly.

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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de recta non tolerandum sunt

5047. Re: [tvnsp] Re: FRR Meeting this Thursday 11/14 6:30pm MST

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-12 14:14:11 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5036 Message: 5047

> Sorry that I didn't make it to the meeting last friday,
> I had some other stuff I had to get done. But, being a
> new member, I'm not sure how you do things around here...
> Is the FRR something that benjamin and I could come to?
> I'd like to be able to go the the launch as well. Could
> we come to this? If so, I guess I'll need directions, as
> well as information on time and what we need to bring...

The FRR is the Flight Readiness Review. We'll discuss the
weather, flight predictions, a launch location, driving plan, and
check out the near spacecraft.

Everyone's invited to attend (it's recommended, actually).

Paul

5048. Re: [tvnsp] FRR Meeting this Thursday 11/14 6:30pm MST

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-12 14:54:30 UTC
From: Randy Farley
Topic: 5036 Message: 5048

I cannot make this meeting Mike.
Our club meeting takes place the same evening.

regards,

Randy Farley

>>> kc7dpd@... 11/11/02 04:38PM >>>

Group,

Just a reminder, we will be having a Flight Readiness Review for TV02H, scheduled for launch on Saturday 11/16/02. We are having it at my house in Meridian. If you need directions, please email me at kc7dpd@..., and I will send them to the individuals who need them.

Also, we need to start watching the upper level winds from here on to Saturday. The forecast on weather.com says mostly cloudy on Saturday, so far.

Mike KC7DPD
kc7dpd@...
www.tvnsp.org

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5049. Saturday Prediction

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-12 15:25:01 UTC
From: John Knapp
Topic: 5036 Message: 5049

I tried to use the forcasted prediction model that we have been using to get an idea what is happening Saturday. Apparently I am going to the wrong place or they have changed the web pages. I come up with a 'format not recognized' error for Balloon Track. Was there a change in the way the information is presented and, if so, how can we use it?

The URL I am using is:

http://www.arl.noaa.gov/ready/cmet.html

Thanks
JohnK - The confused old man.
KD7HGS

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http://launch.yahoo.com/u2

5050. Re: [tvnsp] ORB-2 Website

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-12 15:34:48 UTC
From: Randy Farley
Topic: 5029 Message: 5050

Harry

What brought this up, a friend and i played around with some
12" party balloons from our local dollar store this last weekend.
We had them filled with helium and took them home.

We were able to determine neutral buoyancy with a
1/8 oz. weight. We used a postage stamp scale and some of my lead
sinker weights. I was quite surprised they would lift this much.

We launched them with various weights and multiple balloon
combinations tethered together just for giggles. We then tracked them
visualy with binoculars till they reached the clouds. They actually
did the classic hook on ascent going west first, then drifted back to the NE till
they were out of site. They followed balloon track's prediction for the morning
accurately as far as we could see.
We were able to watch one balloon for 17 minutes.

This was quite fun for a cloudy Saturday afternoon with nothing else to do.
Your use of party balloons inspired us to do this. For a mere $4 dollars (8 balloons)
we educated ourselves and got hypothermia at the same time.

Guess i should to get to work on my tracking equipment for a real launch
next season.

I don't think the neighbors were watching ;-))

regards,

Randy
N7GPS

>>> harrymue@... 11/11/02 05:27PM >>>

Thanks Randy!

There is a local store called "Absolutely Balloons".
I get them there an they get them from Qualatex.

I tried to measure the lift on the first balloon filled, but
the wind was whipping it around and the scale never registered.
I didn't try the second one. The wind was really blowing and we
were afraid of a ground burst.

73
Harry

Nice Pictures Harry

What is your source for the party balloons you use?
How much free lift per balloon are you getting?

Good luck next time.

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5051. [tvnsp] Re: ORB-2 balloon lift

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-12 16:01:51 UTC
From: Randy Farley
Topic: 5029 Message: 5051

Thanks Hank

I am going to bring some of my weights to work and weigh them on my gram scale to get more accurated information.

I need to make some calipers to measure the diameter
closer.
We checked Liftwin and it was very close to our guestimated
balloon diameter for free lift.

I would like to find some bigger party balloons like Harry uses.
Also get the neighborhood kids involved next time we play (referring to earlier reply to Harry) .

regards

Randy

>>> n1ltv@... 11/12/02 12:46AM >>>

> How much free lift per balloon are you getting?

Randy,

I've been discussing a few issues with Harry
so I can provide you some actual figures. Harry
has done some careful measurements and it
turns out that his big party balloons are very
close to 30 grams, which is a standard met balloon
weight so LIFTWIN can be used to get exact freelift
figures very nicely:

2 feet 3 1/2 ounces
2 1/4 feet 5 ounces
2 1/2 feet 7 1/2 ounces
2 3/4 feet 10 1/2 ounces

That's for helium, sea level, and 60 degrees.

Hank

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5052. Re: [tvnsp] Re: ORB-2 balloon lift

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-12 17:10:48 UTC
From: Harry M
Topic: 5029 Message: 5052

Randy,

I'm glad your having fun! Keep me posted on what your doing.
Sorry 'bout the hypothermia! It's warmer in Tulsa. :)

Your local balloon store should be able to get the larger ones.
If they don't carry them ask them to order some. The store
here carries the 5.5 footer also. The 3' is $3 and the 5.5' is
$29. If you find the larger balloons and you have them
filled at the store, they usually don't like to fill the 3 footer
any more than 2 foot. ORB-1 was under-inflated and it was lucky
to fly at all. ORB-2 had no problem. Maybe ORB-3 should have
3 balloons and on and on. :)

I was going to suggest using a better scale. When I started
developing pyro formulas I tried several of the small scales
and ended up getting a triple-beam at a pawn shop for around
$40.

I am off to a friends house to take a look at some old Motorola
FM xmtr chips. He has a whole tube that he doesn't need. I'll
check 'em out and see if they might be useful for a payload.

73 Harry

----- Original Message -----
From: Randy Farley
To: tvnsp@yahoogroups.com
Sent: Tuesday, November 12, 2002 10:01 AM
Subject: [tvnsp] Re: ORB-2 balloon lift

Thanks Hank

I am going to bring some of my weights to work and weigh them on my gram scale to get more accurated information.

I need to make some calipers to measure the diameter
closer.
We checked Liftwin and it was very close to our guestimated
balloon diameter for free lift.

I would like to find some bigger party balloons like Harry uses.
Also get the neighborhood kids involved next time we play (referring to earlier reply to Harry) .

regards

Randy

>>> n1ltv@yahoo.com 11/12/02 12:46AM >>>

> How much free lift per balloon are you getting?

Randy,

I've been discussing a few issues with Harry
so I can provide you some actual figures. Harry
has done some careful measurements and it
turns out that his big party balloons are very
close to 30 grams, which is a standard met balloon
weight so LIFTWIN can be used to get exact freelift
figures very nicely:

2 feet 3 1/2 ounces
2 1/4 feet 5 ounces
2 1/2 feet 7 1/2 ounces
2 3/4 feet 10 1/2 ounces

That's for helium, sea level, and 60 degrees.

Hank

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5053. Tens Things Not Said In Space

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-12 17:15:49 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5053 Message: 5053

I ran across this on the NASA Watch website.

http://www.cbs.com/latenight/lateshow/top_ten/archive/ls_topten_ar
chive2002/ls_topten_archive_20021111.shtml

Watch the word wrap.

Paul "I like #3" Verhage

5054. Re: [tvnsp] Tens Things Not Said In Space

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-12 17:33:08 UTC
From: Mike Garske
Topic: 5053 Message: 5054

http://www.cbs.com/latenight/lateshow/top_ten/

Paul, your URL was a little confused! Try the one at the top of this message.....

Mike " I like #8" Garske KC7DPD
www.tvnsp.org

----- Original Message -----
From: <verhap@...>
To: <tvnsp@yahoogroups.com>
Sent: Tuesday, November 12, 2002 10:15 AM
Subject: [tvnsp] Tens Things Not Said In Space

> I ran across this on the NASA Watch website.
>
> http://www.cbs.com/latenight/lateshow/top_ten/archive/ls_topten_ar
> chive2002/ls_topten_archive_20021111.shtml
>
> Watch the word wrap.
>
> Paul "I like #3" Verhage
>
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> tvnsp-unsubscribe@egroups.com
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>
>
>

5055. Re: [tvnsp] Tens Things Not Said In Space

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-12 17:36:33 UTC
From: Harry M
Topic: 5053 Message: 5055

The URL is split in the message. Copy and paste it into your browser.

Harry

> Paul, your URL was a little confused! Try the one at the top of this
> message.....

5056. Re: [tvnsp] Tens Things Not Said In Space

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-12 18:37:46 UTC
From: Randy Farley
Topic: 5053 Message: 5056

I could relate to #5

Randy "Got Jerky" N7GPS

>>> verhap@....us 11/12/02 10:15AM >>>
I ran across this on the NASA Watch website.

http://www.cbs.com/latenight/lateshow/top_ten/archive/ls_topten_ar
chive2002/ls_topten_archive_20021111.shtml

Watch the word wrap.

Paul "I like #3" Verhage

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5057. Thermochrons are essentially discontinued parts

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-12 19:54:31 UTC
From: Hank
Topic: 5057 Message: 5057

Stephanie,

Your treatment is the WORST I've ever heard of by a semiconductor company. I'd like to post an excerpt (without your name) to the ibutton email list.

What happened to you (except perhaps for the separate packages-same day trick) is standard practice for Dallas/Maxim and has been described in several messages to the company operated list (which is carefully read by Dallas staff). I would have mentioned all this earlier, but I didn't realize there was current TVNSP interest in the Thermochrons.

Two years ago Dallas offered various excuses for production delays and timetables for the resumption of Thermochron production, but starting about one year ago the product line manager refuses all comment on the subject.

Dallas continues to *cheerfully* accept orders for all Thermochrons and accessories, but only delivers the accessories, knowing that they are useless without the Thermochrons to snap into them, and knowing **full well** the Thermochrons are not being made in anything but trickle quantity at best and haven't for years.

Here's a clip from a September message from someone at Sun Computer:

> So in investigating, I find that I have to spend $10
> for the device and $10 for shipping, which is really
> outrageous (it was bad enough for the three parts, but
> for one it's just silly).

This person went on to ask if there were any outfit, such as a distributor, that might be better at selling to small customers, and the answer from another list member was that distibutors would be much worse than the Dallas/Maxim online store. Industrial distributors don't usually even stock Thermochron kits and prefer purchases over $1000. Dealing with these kits is a big nuisance to them and they make Dallas handle it.

Hank

5058. Re: [tvnsp] Saturday Prediction

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-12 19:56:31 UTC
From: Mark Conner
Topic: 5036 Message: 5058

It appears ARL has substantially changed their interface and outputs. Try the following:

At the point where you select the forecast hour and outputs, make sure "Graphics and Text" is selected. When you get the sounding graphic back, click on "Sounding text and any error messages". Save this file and Balloon Track should work as before.

73 de Mark N9XTN

----- Original Message -----
From: John Knapp
To: tvnsp@yahoogroups.com
Sent: Tuesday, November 12, 2002 09:25
Subject: [tvnsp] Saturday Prediction

I tried to use the forcasted prediction model that we
have been using to get an idea what is happening
Saturday. Apparently I am going to the wrong place or
they have changed the web pages. I come up with a
'format not recognized' error for Balloon Track. Was
there a change in the way the information is presented
and, if so, how can we use it?

The URL I am using is:

http://www.arl.noaa.gov/ready/cmet.html

Thanks
JohnK - The confused old man.
KD7HGS

_____
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5059. Re: [tvnsp] Thermochrons are essentially discontinued parts

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-12 20:15:51 UTC
From: Mark Conner
Topic: 5057 Message: 5059

I didn't realize until Hank's response that Maxim sent three five-cent pieces of plastic in three separate half-cubic-yard boxes and had the nads to charge $30 for it. When I first read it, I was thinking she got the thermochrons too.

What's odd is that two other newer thermochron models are both available. At least, according to Maxim's web site - maybe that's less than truthful as well. You'd think something as apparently useful as a thermochron would spur someone to get them back in production. Or maybe it's just us balloon nuts.

This whole episode makes me feel a *whole* lot better about using their free samples. :) Or maybe I've been lucky so far and most of their samples are barely-functional batches that failed QA. :-0

73 de Mark N9XTN

----- Original Message -----
From: Hank
To: tvnsp@yahoogroups.com
Sent: Tuesday, November 12, 2002 13:54
Subject: [tvnsp] Thermochrons are essentially discontinued parts

Stephanie,

Your treatment is the WORST I've ever heard of by a
semiconductor company. I'd like to post an excerpt
(without your name) to the ibutton email list.

What happened to you (except perhaps for the separate
packages-same day trick) is standard practice for
Dallas/Maxim and has been described in several messages
to the company operated list (which is carefully read by
Dallas staff). I would have mentioned all this earlier, but
I didn't realize there was current TVNSP interest in the
Thermochrons.

Two years ago Dallas offered various excuses for production
delays and timetables for the resumption of Thermochron
production, but starting about one year ago the product line
manager refuses all comment on the subject.

Dallas continues to *cheerfully* accept orders for all
Thermochrons and accessories, but only delivers the
accessories, knowing that they are useless without the
Thermochrons to snap into them, and knowing **full well**
the Thermochrons are not being made in anything but
trickle quantity at best and haven't for years.

Here's a clip from a September message from someone at Sun Computer:

> So in investigating, I find that I have to spend $10
> for the device and $10 for shipping, which is really
> outrageous (it was bad enough for the three parts, but
> for one it's just silly).

This person went on to ask if there were any outfit, such as a distributor, that might be better at selling to small customers, and the answer from another list member was that distibutors would be much worse than the Dallas/Maxim online store. Industrial distributors don't usually even stock Thermochron kits and prefer purchases over $1000. Dealing with these kits is a big nuisance to them and they make Dallas handle it.

Hank

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5060. Re: [tvnsp] Saturday Prediction

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-12 21:02:34 UTC
From: John Knapp
Topic: 5036 Message: 5060

Thanks. My error was in going to the 'Metogram'
section instead of the 'Sounding' section. Helps if I
go to the right place to start with.

JohnK
KD7HGS

--- Mark Conner <n9xtn@...> wrote:
> It appears ARL has substantially changed their
> interface and outputs. Try the following:
>
> At the point where you select the forecast hour and
> outputs, make sure "Graphics and Text" is selected.
> When you get the sounding graphic back, click on
> "Sounding text and any error messages". Save this
> file and Balloon Track should work as before.
>
> 73 de Mark N9XTN
>
> ----- Original Message -----
> From: John Knapp
> To: tvnsp@yahoogroups.com
> Sent: Tuesday, November 12, 2002 09:25
> Subject: [tvnsp] Saturday Prediction
>
>
> I tried to use the forcasted prediction model that
> we
> have been using to get an idea what is happening
> Saturday. Apparently I am going to the wrong place
> or
> they have changed the web pages. I come up with a
> 'format not recognized' error for Balloon Track.
> Was
> there a change in the way the information is
> presented
> and, if so, how can we use it?
>
> The URL I am using is:
>
>
> http://www.arl.noaa.gov/ready/cmet.html
>
>
> Thanks

> JohnK - The confused old man.
> KD7HGS
>
> _____
> Do you Yahoo!?
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5061. Re: [tvnsp] Re: Thermocrons

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-12 23:33:28 UTC
From: Harry M
Topic: 5035 Message: 5061

Has anyone looked at the iButton Store
https://store.ibutton.com/cgi-bin/ncommerce3/CategoryDisplay?cgrfnbr=801&cg
menbr=776

or

iScienceProject (Free HOBO dataloggers)
http://www.iscienceproject.com/index.html

Harry

5062. Re: [tvnsp] Re: Thermocrons

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-13 00:02:24 UTC
From: Mark Conner
Topic: 5035 Message: 5062

I believe iButton is a brand name created by Dallas which is now owned by Maxim. At a minimum, I'd make phone calls inquiring about stock before ordering from the site. I'd be extremely surprised if you can get thermochrons through this site.

Are you referring to the HOBO loaner program for teachers?

- Mark
----- Original Message -----
From: Harry M
To: tvnsp@yahoogroups.com
Sent: Tuesday, November 12, 2002 17:33
Subject: Re: [tvnsp] Re: Thermocrons

Has anyone looked at the iButton Store
https://store.ibutton.com/cgi-bin/ncommerce3/CategoryDisplay?cgrfnbr=801&cg
menbr=776

or

iScienceProject (Free HOBO dataloggers)
http://www.iscienceproject.com/index.html

Harry

5063. Re: [tvnsp] Thermochrons are essentially discontinued parts

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-13 00:45:18 UTC
From: Stephanie Steele
Topic: 5057 Message: 5063

Post away Hank. If you know of a way to get this company to stop ripping
of it's customers I'm all for it.

Stephanie

Hank wrote:

> Stephanie,
>
> Your treatment is the WORST I've ever heard of by a
> semiconductor company. I'd like to post an excerpt
> (without your name) to the ibutton email list.
>
> What happened to you (except perhaps for the separate
> packages-same day trick) is standard practice for
> Dallas/Maxim and has been described in several messages
> to the company operated list (which is carefully read by
> Dallas staff). I would have mentioned all this earlier, but
> I didn't realize there was current TVNSP interest in the
> Thermochrons.
>
> Two years ago Dallas offered various excuses for production
> delays and timetables for the resumption of Thermochron
> production, but starting about one year ago the product line
> manager refuses all comment on the subject.
>
> Dallas continues to *cheerfully* accept orders for all
> Thermochrons and accessories, but only delivers the
> accessories, knowing that they are useless without the
> Thermochrons to snap into them, and knowing **full well**
> the Thermochrons are not being made in anything but
> trickle quantity at best and haven't for years.
>
> Here's a clip from a September message from someone at Sun
> Computer:
>
> > So in investigating, I find that I have to spend $10
> > for the device and $10 for shipping, which is really
> > outrageous (it was bad enough for the three parts, but
> > for one it's just silly).
>
> This person went on to ask if there were any outfit, such as
> a distributor, that might be better at selling to small
> customers, and the answer from another list member was that
> distibutors would be much worse than the Dallas/Maxim
> online store. Industrial distributors don't usually even

> stock Thermochron kits and prefer purchases over $1000.
> Dealing with these kits is a big nuisance to them and they
> make Dallas handle it.
>
> Hank
>
>
>
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5064. Re: [tvnsp] Re: Thermocrons

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-13 00:56:56 UTC
From: Harry M
Topic: 5035 Message: 5064

I looked the site over briefly and yes they do offer free stuff for teachers.
I was doing a search for Forrest Mims and found the HOBO site.

Harry

Are you referring to the HOBO loaner program for teachers?

5065. Re: Thermochrons are essentially discontinued parts

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-13 02:43:13 UTC
From: Hank
Topic: 5057 Message: 5065

> If you know of a way to get this company to stop ripping
> of its customers I'm all for it.
>
> Stephanie

This is a near billion dollar company (Maxim) that has
bought Dallas Semiconductor, so nothing will make
it budge unless it's a 10 billion dollar company
that buys Maxim (the law of the sharks). The purpose
of posting here is to wave potential buyers away from
the trap, or at least to forewarn you if you're the
optimistic type.

I didn't catch onto these tremendous Thermochrons
until they were no longer available. I'd like real
bad to have even one; I had all kinds of great ideas
for it as far as making custom readers for it.

There are other medium sized companies that are
all over the web who had already developed 3rd
party products for these, and I just shudder to
think what has happened to all these enterprises.
I checked on one just today and their web site is
nothing like it used to be. I was all set to order
a bulk purchase for TVNSP over a year ago from these
people, and through several phone calls with these
people found out that they were also being fed
fantasies by the Dallas factory. The trouble began
before Maxim took Dallas over, but I think Maxim
really was the nail in the coffin.

There is a possibility that a couple of narrow range
Thermochrons may become available, but they're no good
for what we want.

Here are just a few more sad messages from late October.
I was looking for the ridiculous product manager's
official company policy statement issued 12 to 18
months ago, but I couldn't find it. I suspect it was
removed from the list archives to avoid embarrassment to
the company because it promised plenty of Thermochrons
for everybody in just a few months. It's always just
a few more months.

Hank

[messages from late October 2002]

I am hoping that patience will pay off. The part has
apparently been redesigned for low temperature reliability.
The original design had a very low yield for parts that met
spec. At the end of September I was told that the new parts
were expected in a couple of weeks. It is now past that time,
but I am still hopeful.

I have an unfilled web order from Nov 26, 2001 that I am
uncertain as to the status of. I believe I have others
outstanding as well. They may have been cancelled, but it
is not easy to find out.

Dave

Hi all,

I have been listed on this and the 1 wire list for years.
Does anyone know when Thermocrons will be released? All I
see on the 1 wire mailing list are things like "our supplier
has been waiting for two years" and "suppliers cant get them"

Is there any point to having this list if the Thermocrons are
not available?

All I have seen from Maxim so far is that Thermocrons which
meet the stated spec are not available. Other Thermocrons
may be available later.

Regards
Terry

--- engineering@... wrote:

> Is there any point to having this list if the
> Thermocrons are not available?

many of us have lost lots of effort (and money)
developing systems and promoting an exceptional (in
theory) product just to find out that Maxim is not to
supply them any more...

I have been accused by potential clients of cheating
on them...

5066. Tuesday Evening Predictions for TV02H

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-13 04:06:28 UTC
From: K7JPS - John
Topic: 5066 Message: 5066

Here are my early predictions for TV02H:

Envelope: Kaysam 1500g
Ascent Rate: 1000 fpm
Decent Rate: 1200 fpm
Burst Alt: 97000 ft

Using a MRF model (modified with current winds above 85500 ft)
Prediction from 12 Nov 0Z +108hrs (for 16 Nov 12Z)
Range: 107 mi.
Bearing: 82 deg.

Using an AVN model (modified with current winds above 85500 ft)
Prediction from 12 Nov 18Z +84hrs (for 16 Nov 6Z)
Range: 93 mi.
Bearing: 97 deg.

The difference in these two models is about 28.7 miles but according to previous postings to this list the AVN model is just now coming into range. In fact you will notice that I was about 6 hrs short of launch time with that model.

The sounding from BOI on 13 Nov 0Z that I used to modify the models only went to 97999 ft. so I limited the burst altitude to 97000 ft. I noticed that above 90000 ft the winds steadily increased from 25 mph to 75 mph. There is nothing to suggest that that is where they max out.

From the last flight we know that we made 103000 ft. so with these wind speeds we could expect an even greater range.

A launch from Bully Creek with these models would land the payloads between Idaho City and Stanley. The MRF model shows a landing close to where the 7 hunters were rescued near Lowman Monday evening.

A launch from Rome, OR places the payloads between Grasmere and Hammett, south east of Mountain Home.

With the number of search and rescues already occurring for wild game hunters in the area, we do not want to become more statistics. Along with the FRR meeting let's also discuss being prepared for winter travel, and being smart about the chase and recovery efforts.

John
K7JPS

5067. Re: [tvnsp] FRR Meeting this Thursday 11/14 6:30pm MST

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-13 05:53:29 UTC
From: Bill Herrmann
Topic: 5036 Message: 5067

Not sure yet whether I'll be able to make the FRR, but I probably ought to have directions just in case.

I won't be able to make the launch but will be monitoring. Depending on how long the flight lasts I might be able to join for recovery.

Bill

5068. Status, 13 Nov

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-13 14:42:02 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 1120 Message: 5068

I woke up at 1:30 this morning and decided to work on the capsules. They are complete and ready to go. The configuration is the same as the last flight. At the FRR we'll power them up and measure battery voltages. This time we'll drop an 18" glider, rather than a 4 foot glider.

The book now has 347 pages.

Paul

5069. Saturday's Prediction

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-13 15:59:24 UTC
From: John Knapp
Topic: 5036 Message: 5069

Using the AVN Model for Saturday, UTC of 1200 hrs, I
came up with the following results for Saturday's
launch:

Time: 127 minutes
Bearing: 98 degrees
Distance: 110 Miles.

If launched from Bully Creek the parachute would land
approximately 10-15 miles north of Featherville.

If launched from Vallivue High School it would land
approximately 10 miles west of Fairfield, about 2
miles west of Moonstone Ranch.

If launched from Brunea SP, it would land about 2
miles west of Minidoka Dam.

What bothers me the most is the winds max at 45000 ft
at 105 mph.

Have others had the same results (using 95,000 burst,
1000f/m ascent and 1200f/m decent)?

JohnK
KD7HGS

_____
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5070. Status, 13 Nov pt2

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-13 21:33:02 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5070 Message: 5070

I just got back to class. The balloon was delivered today.

Don't forget, there's a VOI meeting tonight.

Paul

5071. Location of jetstream

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-13 21:48:03 UTC
From: Hank Riley
Topic: 5071 Message: 5071
Attachments: 1 described; binary payloads are missing from this source WARC

This shows why the jetstream will be so strong Saturday.
Wednesday shows a nice lull. Friday is actually the worst
with a band of 125 knot winds right over Idaho and Utah, the
strongest in North America.

Hank

____
Add photos to your e-mail with MSN 8. Get 2 months FREE*.
http://join.msn.com/?page=features/featuredemail

5072. Re: Saturday's Prediction

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-13 22:44:21 UTC
From: Hank
Topic: 5036 Message: 5072

> Using the AVN Model for Saturday, UTC of 1200 hrs, I
> came up with the following results for Saturday's
> launch:
>
> Time: 127 minutes
> Bearing: 98 degrees
> Distance: 110 Miles.

Using +72 hour AVN data, I get 107 degrees at 106 miles.

The concept to keep in mind is that at this long distance
of 100 or more miles, the tolerance on the landing spot
has to be a pretty big circle.

An error of only 5 degrees with the range exactly right
will already be in error by 9 miles. A circle 25 miles
wide would probably not be excessive.

It all depends on probability, so it's possible
that the final landing could be the closest TVNSP has
ever achieved; it's just not very likely with this kind
of range.

Hank

5073. Re: [tvnsp] Re: Saturday's Prediction

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-14 00:05:29 UTC
From: John Knapp
Topic: 5036 Message: 5073

I did the prediction too early this morning (8:30).
This afternoon I had the same results you did. Trying
to hit a 25 mile wide circle without having a river,
canal, power line, forest, military base, freeway, etc
is a big challenge, but can be done.

Tomorrow night we will be meeting as a group and will
go over predctions, launch sites, and landing sites.

Thanks for the comments,

JohnK

--- Hank <n1ltv@...> wrote:
>
> > Using the AVN Model for Saturday, UTC of 1200 hrs,
> I
> > came up with the following results for Saturday's
> > launch:
> >
> > Time: 127 minutes
> > Bearing: 98 degrees
> > Distance: 110 Miles.
>
> Using +72 hour AVN data, I get 107 degrees at 106
> miles.
>
> The concept to keep in mind is that at this long
> distance
> of 100 or more miles, the tolerance on the landing
> spot
> has to be a pretty big circle.
>
> An error of only 5 degrees with the range exactly
> right
> will already be in error by 9 miles. A circle 25
> miles
> wide would probably not be excessive.
>
> It all depends on probability, so it's possible
> that the final landing could be the closest TVNSP
> has
> ever achieved; it's just not very likely with this
> kind
> of range.
>

> Hank
>
>
>

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5074. Re: Saturday's Prediction

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-14 00:37:06 UTC
From: Hank
Topic: 5036 Message: 5074

> Tomorrow night we will be meeting as a group and will
> go over predctions, launch sites, and landing sites.

If you do think of filling the Kaysam with
more gas than the last time to get it down more
quickly, you could use LIFTWIN and the 1500 gram
Kaymont entry. Whatever result it gives for burst
height add on about another 12-15k feet.

I have received the entire set of data from Kaysam,
but several of the numbers are physically impossible,
so I know at least some of the information is faulty.

I guess Kaysam has been in the habit of underrating
its balloons, since Bill Brown's program adds 25%
to all the Kaysam burst diameters. Kaysam is now
saying 33 feet for the 1500 gram, and the Kaymont
1500 is 31 feet. It seems like the actual burst
figure achieved the last time for the Kaysam was
about 37 feet.

Hank

5075. Kaysam 1500g burst altitude

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-14 01:52:38 UTC
From: Mark Conner
Topic: 5075 Message: 5075

As a data point for your calculations, I got 105kft out of a 1500g Kaysam with just under 1000 fpm ascent rate and about 11 lbs suspended weight. I used a full T-tank (290 cu ft) of helium to get it.

73 de Mark N9XTN

Mark D. Conner
E-mail: n9xtn@...
Homepage: http://members.cox.net/mconner1
"Arrogance and stupidity, all in the same package.....how efficient of you!" - Ambassador Londo Mollari, Babylon 5

5076. (Fwd) BIN

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-14 14:23:47 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5076 Message: 5076

This message was sent to me. Is this something TVNSP would like to get involved with? The VP of VOI is experimenting with a microwave transmitter for video and 24dB gain parabolic dish antennas on recieving stations. This may be the place to start, as the 440 ATV gives poor signals with one-watt transmitters.

Paul

------- Forwarded Message Follows -------
Date sent: Wed, 13 Nov 2002 19:51:28 -0500
Subject: BIN
From: nin <nin@...>
To: <VERHAP@...>

Paul,

This was not easy to find your contact information!
I am contacting you in regards to an art project that involves radio transmitted video on weather balloons. This is an international project on the global simultaneous launch of weather balloons from remote islands. Mission ☐BIN¹, Balloon in No Man¹s Land. I am documenting this moment from the ground and from the balloon's view. Conceptually I am interested in this event as the only daily global event where all nations collaborate peacefully and that builds a global network, even to the remotest places on earth. This project will be presented in various international galleries and museums, and in a book published by Triton.

The islands I 'did' already are Jan Mayen in the North Atlantic Ocean and the Kerguelen Group in the South Indian Ocean. In those cases I was using equipment that allowed a transmission of up to half a mile. My next destination in December will be Willis Island, Australia. For this island I want to use technology that will transmit the video signal much further, ideally even to the stratospheric point when the balloon finally bursts. To achieve that I would like to collaborate with amateur radio specialists. ☐Professionals¹ who have already done this and can build a payload for me that will succeed. All supporting organizations and individuals will of course be mentioned in all press releases, publications and in the show itself.

After some research you seem to be the ultimate specialist on balloon borne video. I hope that you are interested in collaborating on BIN for Willis. I can send you a much more detailed description of the project, I just did not want to load this first email with too much information. I am also very curious to see the video results of all those balloon launches that you already did, I might even want to use them in the show. Since December is close and time is running out I would appreciate if you could get back to me

at your earliest convenience.

Many thanks!
Regards,

Nin Brudermann
184 Kent Avenue #312
Brooklyn NY 11211

Balloon's view of Kerguelen-

5077. Re: [tvnsp] Kaysam 1500g burst altitude

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-14 14:24:51 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5075 Message: 5077

We've had a 1500 gram go to 101,000 feet and so has Mark. I
suspect that it's not a fluke.

Paul

> As a data point for your calculations, I got 105kft out of a
> 1500g Kaysam with just under 1000 fpm ascent rate and about 11
> lbs suspended weight. I used a full T-tank (290 cu ft) of helium
> to get it.
>
> 73 de Mark N9XTN
> ------
> Mark D. Conner
> E-mail: n9xtn@...
> Homepage: http://members.cox.net/mconner1
> "Arrogance and stupidity, all in the same package.....how
> efficient of you!" - Ambassador Londo Mollari, Babylon 5
>
>
>
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>

5078. Email for Idaho Clubs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-14 14:53:34 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5078 Message: 5078

Does anyone have an email address (that they've used recently) for Idaho radio clubs in the east of the state? I've email to addresses listed in webpages and not received a reply of any sort.

Thanks for any help. I hope to start near space presentations this December.

Paul

5079. Latex Balloon FAQ

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-14 15:15:51 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5079 Message: 5079

I came across this latex balloon FAQ while trying to research
Balloons Over No Mans Land

http://www.kcbassociates.com/balloon/facts.htm

Paul

5080. Re: [tvnsp] Latex Balloon FAQ

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-14 17:16:04 UTC
From: Randy Farley
Topic: 5079 Message: 5080

I had no idea they were causing a sonic boom when
bursting. I can see OSHA intervening here soon.
Sooo.... is the sonic boom loudness proportional to the size
or mass of the object moving 750+ mph?
Hmmmm...can we achieve Mach 2 or greater from a bursing balloon ;-)

Randy "getting out my earplugs again"

>>> verhap@... 11/14/02 08:15AM >>>
I came across this latex balloon FAQ while trying to research
Balloons Over No Mans Land

http://www.kcbassociates.com/balloon/facts.htm

Paul

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tvnsp-unsubscribe@egroups.com

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5081. Re: [tvnsp] Latex Balloon FAQ

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-14 19:44:15 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5079 Message: 5081

> Sooo.... is the sonic boom loudness proportional to the size
> or mass of the object moving 750+ mph?

Interesting question. Does a fully-filled large balloon burst louder
than a fully-filled small balloon? I'd like to know how they
determined the latex skin is moving faster than sound at burst. I
imagine a strobe would show that. A sonic boom has a double-
wing appearance on a seismograph. I wonder if it can be seen in a
audiograph?

I did find their comment on frozen balloons shreading into spaghetti
interesting.

> Hmmmm...can we achieve Mach 2 or greater from a bursing balloon ;-)

Let's see,
If we can force the burst to occur at the bottom of the balloon........

Paul

5082. Re: [tvnsp] Latex Balloon FAQ

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-15 04:51:32 UTC
From: Bill Herrmann
Topic: 5079 Message: 5082

At 12:44 PM 11/14/02 -0700, verhap@... wrote:
>Let's see,
>If we can force the burst to occur at the bottom of the balloon........

That should be easy enough. A small projectile shot directly upwards from
just above the parachute... Could even be a cut down device <G>

Bill

5083. Flight Postponed

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-15 05:24:33 UTC
From: Jeff Melanson
Topic: 5083 Message: 5083

Hi all,

We just had our FRR (Flight Readiness Review) meeting and decided to postpone the flight due to unfavorable winds. The jetstream would carry the capsule over 100 miles away making it difficult to chase and difficult to select a good landing area. We will meet again next Thursday to decide on a flight for the 23rd.

Jeff
KD7INN

5084. Re: [tvnsp] Flight Postponed

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-15 05:42:17 UTC
From: Bill Herrmann
Topic: 5083 Message: 5084

At 10:24 PM 11/14/02 -0700, you wrote:
>We just had our FRR (Flight Readiness Review) meeting and
>decided to postpone the flight due to unfavorable winds.

Thanks for posting the info Jeff.

>We will meet again next Thursday to decide on a flight for the 23rd.

I've already got that date marked down. Hopefully by then I'll have my chase crew healthy again. (and nobody will schedule anything on top of the balloon flight!)

Bill

5085. BIN

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-15 16:22:06 UTC
From: nin
Topic: 5085 Message: 5085

Hi everybody,

I don't know if Paul already told you guys about my project. I am a video artist and for my recent project I am seeking collaboration with ATV balloon specialist. Basically this project is a documentary on the simultaneous global launch of weather balloons from remote islands. Mission BIN - Balloon in No Man's Land. There are static cameras on the ground filming the launch and there are cameras attached to the balloon, giving the balloons view.

Conceptually I am interested in this event as the only daily global event where all nations collaborate peacefully and that builds a global network, even to the remotest places on earth. This project will be presented in various international galleries and museums, and in a book published by Triton.

The islands I 'did' already are Jan Mayen in the North Atlantic/Arctic Ocean and the Subantarctic Kerguelen Group in the South Indian Ocean. In those cases I was using equipment that allowed a transmission of up to half a mile. My next destination beginning of December will be Willis Island, Australia and after that the French Antarctica. For those two flights I want to use technology that will transmit the video signal much further, ideally even to the stratospheric point when the balloon finally bursts. To achieve that I need your help. Can you build a payload for me that will succeed? All supporting organizations and individuals are of course being credited in all press releases, publications and in the show itself.

Paul told me that you would have to do a few tests on a microwave video transmitter. I heard that you are having a flight scheduled this weekend, but it's too late to run that test on that flight. Is it totally too late? Is there any other chance to get me this thing together until the end of this month? Or do you know anybody in the New York area who could help me with that, maybe remotely supervised by the TVNSP?

I hope you are all enthusiastic about my project - do you know The Red Balloon by A. Lamorisse... The revolte of all captive balloons... My budget is little, it's a non profit budget, the trip to all the islands I go to are sponsored by local meteorological organizations.

Who ever is interested in more information, I'd be happy to send you some detailed description, images, etc.

Thanks!
Nin Brudermann

5086. Leonids

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-15 17:00:52 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4945 Message: 5086

Here's a website on Space.com that discusses listening to the
Leonids over radio.

http://www.space.com/spacewatch/leonids_spacewatch_021115.ht
ml

Watch for the split in the URL.

We discussed it shortly last night at the meeting, but we'd like to
set up some place to watch the show. I'm hoping most of us can
make it out to see the shower. If you have a thermos, bring it, it
should be cold Monday night, Tuesday morning. I'll look up the
best time to see the shower, but it will be after midnight, as I recall.

If you have recommendations for watching the shower, please
share them. Udeally, the location will be away from city lights, but
not an accessively long drive. I recommend Murphy, at the
trailhead for Rabbit Creek. Bogus Basin will proably have too many
lights (and snow).

Paul

5087. Leonids, pt 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-15 17:05:42 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5087 Message: 5087

The best time for us is 3:30 AM (5:30 EST). However, the shower will be good before and after. The best part may last less than one hour. I'd recommend getting to Murphy no later than 2:00 AM and staying until the skies start to lighten, or you have to get home to get ready for work.

Paul

5088. BS2 Lessons

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-15 17:14:11 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5088 Message: 5088

I have permission to hold BS2 lesson in my classroom. The plan is to hold classes on the Saturdays of January.

Please have, or arrange to use, a BS2 carrier board and bread board, or a BOE board. You'll need a series of resistors, wires, and LEDs. I'll draw up a more definitive list of components in the next couple of days.

Visitors will sign in at the door before proceeding to my classroom. The front door is locked, so someone will have to be wating at the door. There are pop and snack machines in the building, along with a restroom.

Paul

5089. Re: [tvnsp] BS2 Lessons

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-15 17:51:07 UTC
From: John Knapp
Topic: 5088 Message: 5089

Thanks Paul. Maybe you can have a more definitive list
when we meet in December for the Pot Luck. We will get
something out on it today or tonight.

JohnK
--- verhap@... wrote:
> I have permission to hold BS2 lesson in my
> classroom. The plan
> is to hold classes on the Saturdays of January.
>
> Please have, or arrange to use, a BS2 carrier board
> and bread
> board, or a BOE board. You'll need a series of
> resistors, wires,
> and LEDs. I'll draw up a more definitive list of
> components in the
> next couple of days.
>
> Visitors will sign in at the door before proceeding
> to my classroom.
> The front door is locked, so someone will have to
> be wating at the
> door. There are pop and snack machines in the
> building, along
> with a restroom.
>
> Paul
>

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5090. balloon video BIN

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-15 18:06:40 UTC
From: K. Mark Caviezel
Topic: 5090 Message: 5090

Nin:
The TVNSP is doing great work in all aspects of ballooning, but don't forget to check out the state of the art practiced by the EOSS group in Denver. I've been a member of EOSS for a little over two years and have been implessed with the ATV capabilities of the group. With a one 1 watt transmitter and a couple long yagis, Mike W5VSI pulls down respecatble video from launch to often times most all the way to landing. Seeing the upward camera broadcast the burst in real time is particularly cool.
eoss.org has hardware pics, we probably should digitize some of the notable video and put it on the web.

- KMC kc0jhq

_____
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5091. Re: [tvnsp] balloon video BIN

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-15 18:32:16 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5090 Message: 5091

I use to fly 1W ATV back in 1997. I never found the videos as good
as sending a camcorder up. I want to experiment with 2.4GHz
video transmitters, as they don't need a license, which is what
Nin's limitation will be. Plus, the capsule needs to be
disposalable, so there's no need to send APRS up on it either.

Paul

> Nin:
> The TVNSP is doing great work in all aspects of
> ballooning, but don't forget to check out the state of
> the art practiced by the EOSS group in Denver. I've
> been a member of EOSS for a little over two years and
> have been implessed with the ATV capabilities of the
> group. With a one 1 watt transmitter and a couple
> long yagis, Mike W5VSI pulls down respecatble video
> from launch to often times most all the way to
> landing. Seeing the upward camera broadcast the burst
> in real time is particularly cool.
> eoss.org has hardware pics, we probably should
> digitize some of the notable video and put it on the
> web.
>
> - KMC kc0jhq
>
>
> ~~~~~~
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>
>

5092. Re: [tvnsp] Location of jetstream

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-15 18:37:54 UTC
From: Craig Brunson
Topic: 5071 Message: 5092

We launched a large balloon from Tillamook Thursday noon for ~ a 6 hour flight. It went to float ~54k ft & hit 172 mph max during the ascent. Before & after the high winds, the approximate speed was 70 to 80 mph. We dropped a couple of dropsonds that showed the changes in winds at different altitudes.
There was a satellite link with the orbcon system that you can see some data at:
http://www.atd.ucar.edu/rtf/facilities/driftsonde/msgs/DRIFTSONDE2_50.html
It came down on chute close to Wilder last night.

Good luck on your flight.
73
Craig

----- Original Message -----
From: "Hank Riley" <n1ltv@...>
To: <tvnsp@yahoogroups.com>
Sent: Wednesday, 13 November, 2002 1:48 PM
Subject: [tvnsp] Location of jetstream

> This shows why the jetstream will be so strong Saturday.
> Wednesday shows a nice lull. Friday is actually the worst
> with a band of 125 knot winds right over Idaho and Utah, the
> strongest in North America.
>
> Hank

5093. Re: [tvnsp] Location of jetstream

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-15 19:01:55 UTC
From: Randy Farley
Topic: 5071 Message: 5093

Wow
Is that a record balloon speed for your equipment Craig?
Are you saying Wilder,Idaho. Wished we had known about
it? Guess no APRS tracker for us amateurs to watch eh?

What a cool job you have. tnx for info.

regards,

Randy

Find Me at: http://maps.findu.com/n7gps

>>> brunson1@... 11/15/02 11:37AM >>>
We launched a large balloon from Tillamook Thursday noon for ~ a 6 hour
flight. It went to float ~54k ft & hit 172 mph max during the ascent.
Before & after the high winds, the approximate speed was 70 to 80 mph. We
dropped a couple of dropsonds that showed the changes in winds at different
altitudes.
There was a satellite link with the orbcon system that you can see some data
at:
http://www.atd.ucar.edu/rtf/facilities/driftsonde/msgs/DRIFTSONDE2_50.html
It came down on chute close to Wilder last night.

Good luck on your flight.
73
Craig

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> Wednesday shows a nice lull. Friday is actually the worst
> with a band of 125 knot winds right over Idaho and Utah, the
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>
> Hank

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5094. Re: [tvnsp] Location of jetstream

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-15 19:24:40 UTC
From: Craig Brunson
Topic: 5071 Message: 5094

Randy-

I don't know what the record for us is. This is the fastest that I have seen in the last 3 years. This same group hit 103 mph last year on a flight from here to Klamath Falls. This customer was the National Center for Atmospheric Research (NCAR) out of Boulder, CO. They have 3 or 4 more flights after the first of the year & either want to launch from Hawaii, Guam, or Midway. We have a site at Southpoint in Hawaii that we launch NASA JPL balloons from.

This one did land by Wilder, Idaho, according to the NCAR web page data.

The boss doesn't like others watching over our shoulder, so to speak, & won't let us give out the gov. freq. being used. He & a couple of others flew the tracking plane to Boise & tracked it from the airport there. I assume they rented a vehicle & drove back to pick it up. Today is my day off & I haven't heard if it is back in Tillamook. I had my home system on & tracked it to north of Madras with the antenna pointed SSE from Hillsboro. It was down before I returned home to change the antenna. I am working with Keith Sproul and another ham on an interface for controlling a rotor to track the balloons.

I do track some of your balloon flights from over here. The biggest problem I had the last two flights was I was gone & my PC memory was full before the flight. I have a track, but no data stored on WinAPRS. I wanted to use AFilter on Rf to help, but it doesn't work on Rf. I am now looking into UI-view to see if that will help me.

73
Craig
----- Original Message -----
From: Randy Farley
To: tvnsp@yahoogroups.com
Sent: Friday, 15 November, 2002 11:01 AM
Subject: Re: [tvnsp] Location of jetstream

Wow
Is that a record balloon speed for your equipment Craig?
Are you saying Wilder,Idaho. Wished we had known about
it? Guess no APRS tracker for us amateurs to watch eh?

What a cool job you have. tnx for info.

regards,

Randy

Find Me at: http://maps.findu.com/n7gps

5095. Re: [tvnsp] Location of jetstream

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-15 19:59:25 UTC
From: Ralph Wallio, W0RPK
Topic: 5071 Message: 5095

Pete Sias' SSOK mission January, 2000 (the unintentional floater) hit 175kts at 116kft (201mph). See http://users.crosspaths.net/wallio/SSOK_DRL.html and then http://users.crosspaths.net/wallio/ssokmavb.gif.

Mean Zonal Winds tells us that upper level winds peak in November and December. See table in http://users.crosspaths.net/~wallio/MZW.html.

TNX es 73 de Ralph Wallio, W0RPK
wallio@...
http://members.crosspaths.net/wallio
Results may not be reproducible

----- Original Message -----
From: Randy Farley
To: tvnsp@yahoogroups.com
Sent: Friday, November 15, 2002 13:01 PM
Subject: Re: [tvnsp] Location of jetstream

Wow
Is that a record balloon speed for your equipment Craig?
Are you saying Wilder,Idaho. Wished we had known about
it? Guess no APRS tracker for us amateurs to watch eh?

What a cool job you have. tnx for info.

regards,

Randy

5096. Re: [tvnsp] Location of jetstream

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-15 19:16:00 UTC
From: rfarley@woodgrain.com
Topic: 5071 Message: 5096
Attachments: 2 described; binary payloads are missing from this source WARC

Craig

That would be neat to have the APRS programs track with rotor control.
I think APRStk (dos version) does this,but the maps are not to cool.
I think it works off the parallel port hooked to an inexpensive rotor.

I use APRS+SA for two reasons. One,the program is very stable.
Have run it for weeks with no memory problems
at all. Second i like the map detail the companion program
Street Atlas provides. I have used all three programs and
have pretty much settled on APRS+.

I have heard that UI-view is pretty robust now with the addition of Prescison
Mapping. I need to look at it too. I don't really need
a fourth registered APRS program,but having the latest and
greatest is always fun.

Keep us posted on your findings. And beg your boss to let us watch.

regards,

Randy

>>> brunson1@... 11/15/02 12:24PM >>>

Randy-

I don't know what the record for us is. This is the fastest that I have seen in the last 3 years. This same group hit 103 mph last year on a flight from here to Klamath Falls. This customer was the National Center for Atmospheric Research (NCAR) out of Boulder, CO. They have 3 or 4 more flights after the first of the year & either want to launch from Hawaii, Guam, or Midway. We have a site at Southpoint in Hawaii that we launch NASA JPL balloons from.

This one did land by Wilder, Idaho, according to the NCAR web page data.

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Rf. I am now looking into UI-view to see if that will help me.

73
Craig
----- Original Message -----
From: Randy Farley
To: tvnsp@yahoogroups.com
Sent: Friday, 15 November, 2002 11:01 AM
Subject: Re: [tvnsp] Location of jetstream

Wow
Is that a record balloon speed for your equipment Craig?
Are you saying Wilder,Idaho. Wished we had known about
it? Guess no APRS tracker for us amateurs to watch eh?

What a cool job you have. tnx for info.

regards,

Randy

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5097. Deluo GPS review

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-15 20:30:59 UTC
From: Randy Farley
Topic: 5097 Message: 5097

Here is new post from the national APRS sig.
Mike is the author of Pocetaprs for PDA's

With a tip of the hat to Allan Sadowski, AH6LS, I purchased a Deluo GPS. It arrived yesterday and has already been tested, and taken apart and reassembled two or three times.

I like this GPS, and as part of a larger GPS project have put together a web page with a small review and technical details about it. If you're interested in details of a cheap but still good GPS, take a look at:

http://www.pocketaprs.com/gps.html

This page is incomplete, but the Deluo information is largely there and should be a passable reference for it in the interim.

...mike/N0QBF

regards,

Randy

5098. Balloon direction

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-17 03:04:50 UTC
From: aerobotics58
Topic: 5098 Message: 5098

I'm looking for information from the TVNSP folks. Based on the local winds, which direction does the balloon generally float. It looks like the general path is NE or NNE. Is this about right? Is it the same all year round or does it change directions throughout the season? Dan

5099. RE: [tvnsp] Balloon direction

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-17 04:00:20 UTC
From: K7JPS - John
Topic: 5098 Message: 5099

Dan, the general direction is east, but this changes as highs and lows move through the area. The link that Ralph posted yesterday about Mean Zonal Winds was very informative about average winds on a monthly basis, but the discussion focused on speed because these trends are more apparent.

John
K7JPS

-----Original Message-----
From: aerobotics58 [mailto:paulson58@...]
Sent: Saturday, November 16, 2002 20:05
To: tvnsp@yahoogroups.com
Subject: [tvnsp] Balloon direction

I'm looking for information from the TVNSP folks. Based on the local winds, which direction does the balloon generally float. It looks like the general path is NE or NNE. Is this about right? Is it the same all year round or does it change directions throughout the season? Dan

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5100. Re: Balloon direction

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-17 04:40:39 UTC
From: aerobotics58
Topic: 5098 Message: 5100

I guess I'm thinking of a few of the launches I know of and was in
on. The Rome Oregon to Caldwell. Jeffs Bruneau Dunes to Stanley.
These were largly Northerly flights.

Dan

--- In tvnsp@y..., "K7JPS - John" <k7jps@r...> wrote:
> Dan, the general direction is east, but this changes as highs and
lows move
> through the area. The link that Ralph posted yesterday about Mean
Zonal
> Winds was very informative about average winds on a monthly basis,
but the
> discussion focused on speed because these trends are more apparent.
>
> John
> K7JPS
>
> -----Original Message-----
> From: aerobotics58 [mailto:paulson58@j...]
> Sent: Saturday, November 16, 2002 20:05
> To: tvnsp@y...
> Subject: [tvnsp] Balloon direction
>
>
> I'm looking for information from the TVNSP folks. Based on the local
> winds, which direction does the balloon generally float. It looks
> like the general path is NE or NNE. Is this about right? Is it the
> same all year round or does it change directions throughout the
> season? Dan
>
>
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5101. Circuit boards

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-17 04:43:17 UTC
From: aerobotics58
Topic: 5101 Message: 5101

Paul and other UV PC board makers. I'm getting a system set up now.
I'm trying to find out which technique makes the narrowest lines. Is
it the Posative or the negative exposure method?
Dan

5102. Re: [tvnsp] Re: Balloon direction

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-17 16:55:50 UTC
From: John Knapp
Topic: 5098 Message: 5102

The Rome to Caldwell and the Bruneau Dunes to Pine
(not Stanely) were not the norm. We have had flights
that have been nne, E, sse. I have done trial
predictions that have had the winds heading other
directions as well. A lot depends on the Jet stream
since we go through it twice, and also on the ground
level winds and winds above the Jet stream. A shear
wind (winds going in different directions opposite of
each other) will also affect balloon flight.

Hope this helps a little.

JohnK
KD7HGS
--- aerobotics58 <paulson58@...> wrote:
> I guess I'm thinking of a few of the launches I know
> of and was in
> on. The Rome Oregon to Caldwell. Jeffs Bruneau Dunes
> to Stanley.
> These were largly Northerly flights.
>
> Dan
>

_____
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5103. Stamp Price

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-17 23:03:21 UTC
From: Harry M
Topic: 5103 Message: 5103

Is $34 for a BS1 and $49 for a BS2 the going rate
or is there somewhere other than Mouser or Digi-Key
to get them cheaper?

Harry
KC5TRB

5104. Re: [tvnsp] Stamp Price

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-18 01:24:33 UTC
From: Jeff Melanson
Topic: 5103 Message: 5104

I got mine from

http://www.parallaxinc.com

The price is the same but there is a lot of information
here.

Jeff
KD7INN

> Harry M wrote:
>
>
> Is $34 for a BS1 and $49 for a BS2 the going rate
> or is there somewhere other than Mouser or Digi-Key
> to get them cheaper?
>
> Harry
> KC5TRB
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
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> of Service.

5105. Re: [tvnsp] Stamp Price

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-18 04:56:41 UTC
From: Harry M
Topic: 5103 Message: 5105

Thanks for the input KMC and Jeff.
I have been looking at the Parallax site.

I also have d/l the BS editor v1.33, but it
doesn't look like it will work with the BS1.
I d/l the BS1 DOS editor and it crashes my PC.
Is there another editor for the BS1 that works
in Windows?

Thanks!
Harry

5106. Re: [tvnsp] Circuit boards

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-18 14:11:36 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5101 Message: 5106

I don't think it matters. I use a negative method.

Paul

> Paul and other UV PC board makers. I'm getting a system set up now.
> I'm trying to find out which technique makes the narrowest lines. Is
> it the Posative or the negative exposure method?
> Dan
>
>
>
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> tvnsp-unsubscribe@egroups.com
>
>
>
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>
>

5107. Leonids

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-18 14:42:48 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4945 Message: 5107

The Leonids will be at their best around 3:30 AM tonight (tomorrow morning). I plan to drive to Murphy to see them, and hope to be there around 2:30 AM. I'll set up at the Rabbit Creek Trailhead. Email me or give me a call 631-7162 if you plan to see the shower. I'll be on the repeater as I drive out. If it's cloudy, I'll try Bogus Basin instead.

To listen to them, tune your FM radio to a clear frequency below 91.0 MHz. Distant stations will come in as their signal bounces off the meteor's ionization trail.

Hope to see you there,
Paul

5108. DJ-S11 Mods and PCBs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-18 14:56:25 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5108 Message: 5108

We need the following items to modify the DJ-S11 on 14 Dec,

Coax-Style DC Power Plug (4.0 mm X 1.7mm)
Radio Shack #274-1532

Toggle Switch (SPST)
Radio Shack # 275-612 or 613

Barrel Connector for BNCs

Coax Cable from Jameco (I have one spare)
#11404

Anderson Power Pole Connectors
We can splt a bag from Current Source (let me know if I need to
buy a bag)

Smallest wire clamps available at Radio Shack (for 1/8" wire)

I'll bring square tubes and wire for the antennas

Please bring hot glue, heat shrink tubing for coax, and jeweler's
screwdrivers

**********8

I have the following PCBs

MIM-based flight computer
Tiny Tracker (I put one together from spares)
Radio beacon
Three temp arrays
FTU

5109. T-shirt

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-18 14:58:01 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5109 Message: 5109

I found one spare t-shirt this weekend. I plan to send it up ont he balloon. It's a large t-shirt. Did someone want to buy it?

If not, I'd like to auction it off at a ham meeting, with the cost going to our VOI account.

Paul

5110. Fwd: [aprssig] Re: Deluo GPS

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-18 15:05:12 UTC
From: Randy Farley
Topic: 5110 Message: 5110
Attachments: 1 described; binary payloads are missing from this source WARC

[Attachment content not displayed]

5111. Re: [tvnsp] DJ-S11 Mods and PCBs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-18 17:07:37 UTC
From: DEBRA S FORMOLO
Topic: 5108 Message: 5111

Paul,

Did you find out what is up with the MIM and why it's not sending correct information?

Justin

_____
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http://join.msn.com/?page=features/featuredemail

5112. Re: [tvnsp] DJ-S11 Mods and PCBs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-18 19:07:51 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5108 Message: 5112

Not yet, but I was given a couple of things to look at.

Paul

> Paul,
>
> Did you find out what is up with the MIM and why it's not sending correct
> information?

5113. Re: [tvnsp] Leonids

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-18 20:02:45 UTC
From: Mike Garske
Topic: 4945 Message: 5113

I'll go out to Rabbit Creek.....I will be on the 147.240 repeater as well.
Dress warm!

Mike KC7DPD

www.tvnsp.org
----- Original Message -----
From: <verhap@...>
To: <tvnsp@yahoogroups.com>
Sent: Monday, November 18, 2002 7:42 AM
Subject: [tvnsp] Leonids

> The Leonids will be at their best around 3:30 AM tonight (tomorrow
> morning). I plan to drive to Murphy to see them, and hope to be
> there around 2:30 AM. I'll set up at the Rabbit Creek Trailhead.
> Email me or give me a call 631-7162 if you plan to see the shower.
> I'll be on the repeater as I drive out. If it's cloudy, I'll try Bogus
> Basin instead.
>
> To listen to them, tune your FM radio to a clear frequency below
> 91.0 MHz. Distant stations will come in as their signal bounces off
> the meteor's ionization trail.
>
> Hope to see you there,
> Paul
>
>
>
> To unsubscribe from this group, send an email to:
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>
>
>
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>
>
>

5114. Re: [tvnsp] Leonids

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-18 20:20:38 UTC
From: Tim Rynearson
Topic: 4945 Message: 5114
Attachments: 1 described; binary payloads are missing from this source WARC

I'll talk to you guys on the .24 repeater on my way home from work.....I get off at 3.....

Tim

-------Original Message-------

From: tvnsp@yahoogroups.com
Date: Monday, November 18, 2002 01:01:26 PM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] Leonids

I'll go out to Rabbit Creek.....I will be on the 147.240 repeater as well. Dress warm!

Mike KC7DPD

www.tvnsp.org
----- Original Message -----
From: <verhap@...>
To: <tvnsp@yahoogroups.com>
Sent: Monday, November 18, 2002 7:42 AM
Subject: [tvnsp] Leonids

> The Leonids will be at their best around 3:30 AM tonight (tomorrow
> morning). I plan to drive to Murphy to see them, and hope to be
> there around 2:30 AM. I'll set up at the Rabbit Creek Trailhead.
> Email me or give me a call 631-7162 if you plan to see the shower.
> I'll be on the repeater as I drive out. If it's cloudy, I'll try Bogus
> Basin instead.
>
> To listen to them, tune your FM radio to a clear frequency below
> 91.0 MHz. Distant stations will come in as their signal bounces off
> the meteor's ionization trail.
>
> Hope to see you there,
> Paul
>
>
>
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>
>
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>
>
>

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.

5115. Christmas Party

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-19 05:05:58 UTC
From: John Knapp
Topic: 5108 Message: 5115

John and I are going to hold a TVNSP Christmas potluck/work party on Saturday December 14th.

We would like all tvnsp members and spouses/guests to attend. For those who are going to be working on the DJ-S11 modifications, that will start at 2pm. The guys know what they are to bring for their projects. If you are not working on a project, but want to just come for dinner be here about 5. If the spouse/guest is coming with the working person, that is fine also. I will be here.

I would like to have an RSVP by December 2nd to make sure we have seating available for everyone. I am asking everyone coming to bring a main dish, and then when I get their rsvp I will email back whether they are to bring an salad or a desert. I will alternate these as the rsvp's come in so we will make sure and have plenty of goodies.

We will furnish the plates, cups, etc, and also will have a very good punch for everyone.

We are looking forward to having everyone here, and think it will be a very fun evening. It will give everyone a chance to meet others that haven't been involved with launches and chases and maybe will get some more interested in the fun of near space. John will monitor the 24 repeater to help people find the house if necessary.

I can be reached at my email debdk@...

Directions to our house will be available for those who need them. PS. Just look for all the Christmas lights. :)

John and Deb Knapp

_____
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5116. Re: [tvnsp] Christmas Party

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-19 14:18:39 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5108 Message: 5116

Put me down.

Paul

> John and I are going to hold a TVNSP Christmas
> potluck/work party on Saturday December 14th.

5117. MIM

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-19 14:35:28 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3492 Message: 5117

I ran a test during class yesterday. I wanted my students to practice with the o'scope, but I ended up doing most of the work myself (why let the kids have all the fun).

When the MIM transmits, the waveform it generates is almost a pure DC with a tiny AC ripple on top. I adjusted the tiny pot on the board until I got a clean sine wave. There's only about 60 degrees of good adjustment on the pot. When I adjust the pot within this range, there is no chnage in sinewave amplitute, as I would expect. I emailed Dr. Twiggs at Stanford about this.

Last night and this morning the MIM was sending packets that my Baycom TNC could decode. When the MIM was programmed to transmit at two second intervals, I had about 100% packet decodes. When I dropped the the rate to once a minute, the decode rate was closer to 90-95% decodes.

There's about a 3-4% error in the telemetry values. I need to test and verify the error is consistent across a ranage of voltages. If so, I'll add a correction to the spreadsheet used to analyze telemetry data. I've asked Dr. Twiggs about this error.

Both modules are ready to go up on our next launch. I guess it's time to start making predictions.

Paul

5118. internal payload antenna

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-19 15:01:15 UTC
From: K. Mark Caviezel
Topic: 5118 Message: 5118

All:
one possibility for the new DJ-S11 you guys ar
modifying - stay with the stock rubber duck antenna.
Now, I know it's the worlds crappiest antenna, but
rubber ducks (particularly if they are taped on) can
be a high reliability package. My favorite tracker
has a radio shack HTX-200, garmin etrex, and TT2, and
9 V battery all completely enclosed in a styrofoam
sandwich which slips into a custom sewn ripstop nylon
bag. A very similar package, with the HTX-400 radio,
few on the balloon bag for the EOSS 59 flight....
Although the TT needed a little more capacitive
coupling to 'speak clearly' through the HT, the
package did send out APRS that was copyable at 80
miles range. Just food for thought. And YES the
HT does degrade the GPS reception as they are 4"
apart, but it's a very modest effect, and the HT
transmits about one second per minute, and during that
second, the satellite signal strength indicators on
the GPS decrease about 15%, so there is no affect on
tracker performance.

I've seen a couple payloads go silent because of bad
antenna connections..... you may want to consider this
for a higher reliability option.

- KMC

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5119. Re: Leonids

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-19 16:05:00 UTC
From: Justin Formolo
Topic: 4945 Message: 5119

Paul,

Did you get to see any Leonids? I tried giving you and Mike a call around 3:45am on the .24 but got nothing. I did chat with Dave, KG7CN, on my way to work as he was looking for the Leonids also. I couldn't see anything from my vantage point, just a thick blanket of stratus clouds.

Justin

5120. Re: [tvnsp] Re: Leonids

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-19 16:54:29 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4945 Message: 5120

Same here. But I noticed that the sun has finally come out.

Paul

> Paul,
>
> Did you get to see any Leonids? I tried giving you and Mike a call
> around 3:45am on the .24 but got nothing. I did chat with Dave,
> KG7CN, on my way to work as he was looking for the Leonids also. I
> couldn't see anything from my vantage point, just a thick blanket of
> stratus clouds.
>
> Justin
>
>
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>
>
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>
>

5121. Prediction for Saturday

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-19 17:41:25 UTC
From: John Knapp
Topic: 5108 Message: 5121

I have run a predition this morning for the Saturday launch:

Bearing: 168 degrees
Flight time: 138 minutes
Range: 63 miles.

I did alter the dat file to include winds above 85,000 ft. I had basically the same predition yesterday without using the winds aloft. Max. wind is 64 mph at 30,500 ft and direction of 7 degrees.

JohnK
KD7HGS

_____
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5122. Re: [tvnsp] Re: Leonids

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-19 17:48:50 UTC
From: Harry M
Topic: 4945 Message: 5122

I was awaken at 2:30 by the sound of Valery Korzun the ISS Russian Commander on the radio. I failed to make contact with him to ask if he was watching. He was in a QSO with another station and there was no mention of the Leonids. I looked out the back door for about 5 minutes and Saw nothing! Got up at 5:30 for a great visible pass of the ISS and there were quite a few meteors then, even with the city lights and the morning light approaching. I took a time exposure of the ISS, but I don't think any meteors got in the frame

Looks like 4-6am CST was the best time here in Tulsa.

YAWN!!!

Harry
KC5TRB

5123. Re: [tvnsp] Christmas Party

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-19 18:40:21 UTC
From: Mike Garske
Topic: 5108 Message: 5123

I will be there John & Debbie!

Mike KC7DPD
www.tvnsp.org
----- Original Message -----
From: "John Knapp" <kd7hgs@...>
To: <tvnsp@yahoogroups.com>
Sent: Monday, November 18, 2002 10:05 PM
Subject: [tvnsp] Christmas Party

> John and I are going to hold a TVNSP Christmas
> potluck/work party on Saturday December 14th.
>
> We would like all tvnsp members and spouses/guests to
> attend. For those who are going to be working on
> the DJ-S11 modifications, that will start at 2pm. The
> guys know what they are to bring for their projects.
> If you are not working on a project, but want to just
> come for dinner be here about 5. If the spouse/guest
> is coming with the working person, that is fine also.
> I will be here.
>
> I would like to have an RSVP by December 2nd to make
> sure we have seating available for everyone. I am
> asking everyone coming to bring a main dish, and then
> when I get their rsvp I will email back whether they
> are to bring an salad or a desert. I will alternate
> these as the rsvp's come in so we will make sure and
> have plenty of goodies.
>
> We will furnish the plates, cups, etc, and also will
> have a very good punch for everyone.
>
> We are looking forward to having everyone here, and
> think it will be a very fun evening. It will give
> everyone a chance to meet others that haven't been
> involved with launches and chases and maybe will get
> some more interested in the fun of near space. John
> will monitor the 24 repeater to help people find the
> house if necessary.
>
> I can be reached at my email debdk@...
>
> Directions to our house will be available for those
> who need them. PS. Just look for all the Christmas

> lights. :)
>
> John and Deb Knapp
>
>
>
>
> _____
> Do you Yahoo!?
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>
>
>

5124. Re: [tvnsp] internal payload antenna

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-19 19:10:06 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5118 Message: 5124

> I've seen a couple payloads go silent because of bad
> antenna connections..... you may want to consider this
> for a higher reliability option.

I've used this mod to attach an external 2m dipole to the HT. The signal seems fine. Perhaps we ought to get a signal strength tester out.

Does anyone have one?

Paul

5125. (Fwd) Balloon questions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-19 19:29:50 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5125 Message: 5125

This from Moscow. Can we schedule the April flight for the third
and do it from Washington?

Paul

------- Forwarded Message Follows -------
Date sent: Tue, 19 Nov 2002 11:24:54 -0800
To: hiscock@..., VERHAP@...
From: David Atkinson <atkinson@...>
Subject: Balloon questions

Hi Paul and Bill,

We are beginning to think about a possible UI payload as part of the
proposed balloon flight in April. We would like to fly something simple,
but something that we can get some Idaho engineering students involved in
designing, building, testing, packaging, etc. A couple of questions -

Paul - you had said that you can measure up to 6 voltages (0 to 4.096
volts). Can you give me any more details about data rates, if you have
power available or if we need to provide our own power, etc. Also - would
you mind if one of our team leaders contacted you by email for some
questions as we prepare for the April flight? To the extent that we need
to interface with you regarding power and data, as well as the overall
parameters of size and mass, we want to make sure we are building something
that can be easily "plugged in" without any electrical or mechanical issues.

Also, if either of you have some ideas on something that would be fun to
fly and not terribly risky or difficult to build for undergraduate
engineering students, please let us know. John Ophus (from UI who attended
the Boulder meeting last summer) has his instrument description from the
workshop, but we are looking for other ideas as well.

Finally, what is our timeline here? It has been suggested and I think it is
likely that we will need to go to central Washington to launch, given the
easterly winds. When do we need to make a decision on where to launch and
what other arrangements do we need to make - (e.g., with the FAA to notify
them of the launch), etc. If there is any advance planning to be done, let
me know what we should be doing and when it needs to be done.

Thanks.

Dave

Dr. David H. Atkinson, Professor
Associate Director, Idaho NASA Space Grant & NASA EPSCoR
Department of Electrical and Computer Engineering

University of Idaho, PO Box 441023
Moscow, ID 83844-1023
USA

(208) 885-6870
(208) 885-7579 (fax)
atkinson@...
dhatk@...

5126. ATVQ Article

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-19 19:52:08 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5126 Message: 5126

I hear the latest ATV Quarterly is out. There's an article on GPSL 2002 in it. I believe that's the one I wrote. As soon as I get a copy, I'll let everyone know.

As far as I'm aware, no one here subscribes to the magazine. Now that APRS use is beginning to pick up in Idaho, perhaps we ought to look at making ATV more popular.

This also reminds me.
<soap box>
I'd like to see TVNSP write more articles for ATV Q. We probably have more collective knowledge in a smaller group than any other near space group. I'd like to see us share that knowledge.
Besides, writing has its benefits, like $25 per article. For a couple hours of work, you could have a nice dinner out.
</soap box>

Paul

5127. Re: [tvnsp] (Fwd) Balloon questions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-19 20:01:30 UTC
From: John Knapp
Topic: 5125 Message: 5127

We will be unavailable on the first weekend of April,
that is the same weekend of the Boy Scout Willow Creek
competition. I was hoping that we could have a setup
like we did two years ago. Also, the SNARC hamfest is
scheduled for April 26.

JohnK
KD7HGS
--- verhap@... wrote:
> This from Moscow. Can we schedule the April flight
> for the third
> and do it from Washington?
>
> Paul
>
> ------- Forwarded Message Follows -------
> Date sent: Tue, 19 Nov 2002 11:24:54 -0800
> To: hiscock@...,
> VERHAP@...
> From: David Atkinson
> <atkinson@...>
> Subject: Balloon questions
>
> Hi Paul and Bill,
>
> We are beginning to think about a possible UI
> payload as part of the
> proposed balloon flight in April. We would like to
> fly something simple,
> but something that we can get some Idaho
> engineering students involved in
> designing, building, testing, packaging, etc. A
> couple of questions -
>
> Paul - you had said that you can measure up to 6
> voltages (0 to 4.096
> volts). Can you give me any more details about data
> rates, if you have
> power available or if we need to provide our own
> power, etc. Also - would
> you mind if one of our team leaders contacted you by
> email for some
> questions as we prepare for the April flight? To
> the extent that we need
> to interface with you regarding power and data, as

> well as the overall
> parameters of size and mass, we want to make sure we
> are building something
> that can be easily "plugged in" without any
> electrical or mechanical issues.
>
> Also, if either of you have some ideas on something
> that would be fun to
> fly and not terribly risky or difficult to build for
> undergraduate
> engineering students, please let us know. John Ophus
> (from UI who attended
> the Boulder meeting last summer) has his instrument
> description from the
> workshop, but we are looking for other ideas as
> well.
>
> Finally, what is our timeline here? It has been
> suggested and I think it is
> likely that we will need to go to central Washington
> to launch, given the
> easterly winds. When do we need to make a decision
> on where to launch and
> what other arrangements do we need to make - (e.g.,
> with the FAA to notify
> them of the launch), etc. If there is any advance
> planning to be done, let
> me know what we should be doing and when it needs to
> be done.
>
> Thanks.
>
> Dave
> _____
> Dr. David H. Atkinson, Professor
> Associate Director, Idaho NASA Space Grant & NASA
> EPSCoR
> Department of Electrical and Computer Engineering
> University of Idaho, PO Box 441023
> Moscow, ID 83844-1023
> USA
>
> (208) 885-6870
> (208) 885-7579 (fax)
> atkinson@...
> dhatk@...
>
>

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5128. (Fwd) Re: Fwd: Re: Balloon questions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-19 21:40:05 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5128 Message: 5128

I got this response from the Idaho Space Grant concerning radio clubs in Moscow. Does anyone know of a specific person in the area and their email address?

Paul

Not that I know of.

At 12:51 PM 11/19/02 -0800, David Atkinson wrote:
>Note from Paul Verhage. Mike - why don't you plan on staying in touch with
>Paul.
>
>Paul's last question was:
>
>"Is there a local radio club that can field mobile APRS trackers in their
>cars?"
>
>Does anyone know the answer to this?
>
>Dave
>
>
>>From: VERHAP@...
>>To: David Atkinson <atkinson@...>
>>Date: Tue, 19 Nov 2002 12:41:57 -700
>>Subject: Re: Balloon questions
>>Priority: normal
>>X-mailer: Pegasus Mail for Windows (v3.01d)
>>
>> > Paul - you had said that you can measure up to 6 voltages (0 to 4.096
>> > volts). Can you give me any more details about data rates, if you have
>> > power available or if we need to provide our own power, etc. Also - would
>> > you mind if one of our team leaders contacted you by email for some
>> > questions as we prepare for the April flight? To the extent that we need
>> > to interface with you regarding power and data, as well as the overall
>> > parameters of size and mass, we want to make sure we are building
>> something
>> > that can be easily "plugged in" without any electrical or mechanical
>> issues.
>>
>>I program the flight computer two run two segments of code for
>>each data cycle. The first segment determines the capsule's
>>location and health (main battery voltage). The second segment
>>collects the science data. Currently it takes about one minute to
>>run a data cycle. That can be shortened as needed. I don't run
>>interupts at this time. The Basic Stamp can use a "psuedo

>>interupt" that polls an I/O pin after each instruction.
>>
>>The avionics can source about 100 mA for an additional
>>experiment. I'd like to run a test on the capsule wit the experiment
>>before launch to look for problems. There's no problem with
>>anyone contacting me. I am usually away from email on weekends
>>and after 3:15 PM on week days.
>>
>> > Also, if either of you have some ideas on something that would be fun to
>> > fly and not terribly risky or difficult to build for undergraduate
>> > engineering students, please let us know. John Ophus (from UI who
attended
>> > the Boulder meeting last summer) has his instrument description from the
>> > workshop, but we are looking for other ideas as well.
>>
>>Fun and not risky.....
>>I guess that throws out my cat drop experiment.
>>
>>A set of geiger counters connected to a coincidence counter could
>>be interesting. The whole assembly could be connected to a servo
>>for vertical rotation. Perhaps your students could help elemetary
>>students design an experiment. Something in the life sciences
>>might be interesting, like collecting bacteria in the stratosphere. A
>>camera with IR film sounds interesting. Or perhaps a limb sounder
>>that measures the brightness of the horizon at different altitudes.
>>
>> > Finally, what is our timeline here? It has been suggested and I think
>> it is
>> > likely that we will need to go to central Washington to launch, given the
>> > easterly winds. When do we need to make a decision on where to launch and
>> > what other arrangements do we need to make - (e.g., with the FAA to
notify
>> > them of the launch), etc. If there is any advance planning to be done,
>> let
>> > me know what we should be doing and when it needs to be done.
>>
>>We held a meeting two weeks ago and are planning a flight in April.
>> I just forwarded this message to the group to ask if we can
>>schedule that flight for the 3rd. I just need to make sure I can get
>>enough trackers out there. Is there a local radio club that can field
>>mobile APRS trackers in their cars?
>>
>>Paul
>
>_____
>Dr. David H. Atkinson, Professor
>Associate Director, Idaho NASA Space Grant & NASA EPSCoR
>Department of Electrical and Computer Engineering
>University of Idaho, PO Box 441023
>Moscow, ID 83844-1023

>USA
>
>(208) 885-6870
>(208) 885-7579 (fax)
>atkinson@...
>dhatk@...
>
>

5129. RE: [tvnsp] Prediction for Saturday

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-20 03:44:35 UTC
From: K7JPS - John
Topic: 5108 Message: 5129

I ran a prediction this evening. The MRF model showed that the "current" winds were from 19 Nov 0Z (more then 24 hrs ago). Modifying the winds above 87000 ft with the current Boise sounding (20 Nov 0z), I came up with

Bearing: 170 Degrees
Range: 62 miles
Flight time: 138 minutes

This looks like John and I were using the same data up to 87000 ft. The AVN and ETA models are not quite within range yet.

John Stone
K7JPS

-----Original Message-----
From: John Knapp [mailto:kd7hgs@...]
Sent: Tuesday, November 19, 2002 10:41
To: tvnsp@yahoogroups.com
Subject: [tvnsp] Prediction for Saturday

I have run a predition this morning for the Saturday launch:

Bearing: 168 degrees
Flight time: 138 minutes
Range: 63 miles.

I did alter the dat file to include winds above 85,000 ft. I had basically the same predition yesterday without using the winds aloft. Max. wind is 64 mph at 30,500 ft and direction of 7 degrees.

JohnK
KD7HGS

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Yahoo! Web Hosting - Let the expert host your site
http://webhosting.yahoo.com

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tvnsp-unsubscribe@egroups.com

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5130. CQ VHF Magazine

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-20 14:23:24 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5130 Message: 5130

My article on GPSL 2002 should be in the winter issue of CQ VHF.

Paul

5131. (Fwd) Re: Fwd: Re: Balloon questions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-20 20:18:28 UTC
From: w7ecs
Topic: 5128 Message: 5131

Try the UI Amateur Radio Club their shack is across the street from
the engineering bldgs at the heat plant. Here is their web site.

http://www.uidaho.edu/w7uq/

Clif

--- In tvnsp@y..., <verhap@o...> wrote:
> I got this response from the Idaho Space Grant concerning radio
> clubs in Moscow. Does anyone know of a specific person in the
> area and their email address?
>
> Paul
>
> Not that I know of.
>
>
>
> At 12:51 PM 11/19/02 -0800, David Atkinson wrote:
> >Note from Paul Verhage. Mike - why don't you plan on staying in
touch with
> >Paul.
> >
> >Paul's last question was:
> >
> >"Is there a local radio club that can field mobile APRS trackers
in their
> >cars?"
> >
> >Does anyone know the answer to this?
> >
> >Dave
> >
> >
> >>From: VERHAP@O...
> >>To: David Atkinson <atkinson@e...>
> >>Date: Tue, 19 Nov 2002 12:41:57 -700
> >>Subject: Re: Balloon questions
> >>Priority: normal
> >>X-mailer: Pegasus Mail for Windows (v3.01d)
> >>
> >> > Paul - you had said that you can measure up to 6 voltages (0
to 4.096
> >> > volts). Can you give me any more details about data rates, if
you have
> >> > power available or if we need to provide our own power, etc.

Also - would
> >> > you mind if one of our team leaders contacted you by email for
some
> >> > questions as we prepare for the April flight? To the extent
that we need
> >> > to interface with you regarding power and data, as well as the
overall
> >> > parameters of size and mass, we want to make sure we are
building
> >> something
> >> > that can be easily "plugged in" without any electrical or
mechanical
> >> issues.
> >>
> >>I program the flight computer two run two segments of code for
> >>each data cycle. The first segment determines the capsule's
> >>location and health (main battery voltage). The second segment
> >>collects the science data. Currently it takes about one minute to
> >>run a data cycle. That can be shortened as needed. I don't run
> >>interupts at this time. The Basic Stamp can use a "psuedo
> >>interupt" that polls an I/O pin after each instruction.
> >>
> >>The avionics can source about 100 mA for an additional
> >>experiment. I'd like to run a test on the capsule wit the
experiment
> >>before launch to look for problems. There's no problem with
> >>anyone contacting me. I am usually away from email on weekends
> >>and after 3:15 PM on week days.
> >>
> >> > Also, if either of you have some ideas on something that would
be fun to
> >> > fly and not terribly risky or difficult to build for
undergraduate
> >> > engineering students, please let us know. John Ophus (from UI
who
> attended
> >> > the Boulder meeting last summer) has his instrument
description from the
> >> > workshop, but we are looking for other ideas as well.
> >>
> >>Fun and not risky.....
> >>I guess that throws out my cat drop experiment.
> >>
> >>A set of geiger counters connected to a coincidence counter could
> >>be interesting. The whole assembly could be connected to a servo
> >>for vertical rotation. Perhaps your students could help elemetary
> >>students design an experiment. Something in the life sciences
> >>might be interesting, like collecting bacteria in the
stratosphere. A
> >>camera with IR film sounds interesting. Or perhaps a limb sounder

> >>that measures the brightness of the horizon at different
altitudes.
> >>
> >> > Finally, what is our timeline here? It has been suggested and
I think
> >> it is
> >> > likely that we will need to go to central Washington to
launch, given the
> >> > easterly winds. When do we need to make a decision on where to
launch and
> >> > what other arrangements do we need to make - (e.g., with the
FAA to
> notify
> >> > them of the launch), etc. If there is any advance planning to
be done,
> >> let
> >> > me know what we should be doing and when it needs to be done.
> >>
> >>We held a meeting two weeks ago and are planning a flight in
April.
> >> I just forwarded this message to the group to ask if we can
> >>schedule that flight for the 3rd. I just need to make sure I can
get
> >>enough trackers out there. Is there a local radio club that can
field
> >>mobile APRS trackers in their cars?
> >>
> >>Paul
> >
> >_____
> >Dr. David H. Atkinson, Professor
> >Associate Director, Idaho NASA Space Grant & NASA EPSCoR
> >Department of Electrical and Computer Engineering
> >University of Idaho, PO Box 441023
> >Moscow, ID 83844-1023
> >USA
> >
> >(208) 885-6870
> >(208) 885-7579 (fax)
> >atkinson@e...
> >dhatk@e...
> >
> >

5132. FRR

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-21 04:55:57 UTC
From: jiminy_cricket41
Topic: 2345 Message: 5132

Hey all,

I'm afraid I can't make it to the FRR tomorrow, but I'd like to
go to the launch on saturday if it's still on (and if that's
alright).

So, could someone email me (david@...) or post
on here the info about that after the meeting tomorrow?

thanks!

David

5133. Re: [tvnsp] FRR

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-21 05:07:57 UTC
From: Mike Garske
Topic: 2345 Message: 5133

No problem David, we will send an email out detailing the flight information, and all the whens, wheres, and hows when we all get together tomorrow. Hope to see you Saturday!

Mike KC7DPD
www.tvnsp.org
----- Original Message -----
From: "jiminy_cricket41" <jiminy_cricket41@...>
To: <tvnsp@yahoogroups.com>
Sent: Wednesday, November 20, 2002 9:55 PM
Subject: [tvnsp] FRR

> Hey all,
>
> I'm afraid I can't make it to the FRR tomorrow, but I'd like to
> go to the launch on saturday if it's still on (and if that's
> alright).
>
> So, could someone email me (david@...) or post
> on here the info about that after the meeting tomorrow?
>
> thanks!
>
> David
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
>

5134. Saturday Predictions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-21 05:30:58 UTC
From: DEBRA S FORMOLO
Topic: 5134 Message: 5134
Attachments: 1 described; binary payloads are missing from this source WARC

Group,

I hope I'm doing this right. I ran my own prediction using the University of Wyoming data for Nov 21 00z. I came up with four results, using burst alt. at 95, 98, 100, and 105k. I don't even get past 30 miles range while both Johns are getting 60+ miles. I even overlayed the data on a map using Bully Crk as launch. I'm also using ascent of 1000 and descent of 1200. Is this correct?

Justin

_____
Add photos to your e-mail with MSN 8. Get 2 months FREE*.
http://join.msn.com/?page=features/featuredemail

5135. Re: [tvnsp] FRR

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-21 14:19:05 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2345 Message: 5135

> No problem David, we will send an email out detailing the flight
> information, and all the whens, wheres, and hows when we all get together
> tomorrow. Hope to see you Saturday!

I recall a phone call I recieved this weekend from Glenn of VOI.

We need to pass the information out over the repeater. Not
everyone interested in the launches has email.

John the Younger, can you put that on your FRR checklist?

Paul

5136. Re: [tvnsp] Saturday Predictions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-21 14:24:01 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5134 Message: 5136

> I hope I'm doing this right. I ran my own prediction using the University
> of Wyoming data for Nov 21 00z. I came up with four results, using burst
> alt. at 95, 98, 100, and 105k. I don't even get past 30 miles range while
> both Johns are getting 60+ miles. I even overlayed the data on a map using
> Bully Crk as launch. I'm also using ascent of 1000 and descent of 1200. Is
> this correct?

Use a burst of 100,000 feet. The ascent and descent rates are
good. We're using the same balloon as last time and three pounds
of positive lift (free lift).

I tested the MIM again last night. It worked well, but the voltages
returned in telemetry were acting up. Jeff, can you spare a
Thermochron for Saturday's launch?

Can Stephanie, Norma, and Randy make the launch?

Paul

5137. Re: [tvnsp] Saturday Predictions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-21 14:39:34 UTC
From: Mark Conner
Topic: 5134 Message: 5137

Using the UWyo data as noted would show you what a flight would do if launched at 00Z on the 21st. You'll need to use a forecast for Saturday morning's winds from http://gus.arlhq.noaa.gov/ready-bin/quickprof.pl to show what a Saturday flight will do.

Someday I'll get a why-and-how-to written up and posted on the web.

- Mark
----- Original Message -----
From: verhap@...
To: tvnsp@yahoogroups.com
Sent: Thursday, November 21, 2002 08:24
Subject: Re: [tvnsp] Saturday Predictions

> I hope I'm doing this right. I ran my own prediction using the University
> of Wyoming data for Nov 21 00z. I came up with four results, using burst
> alt. at 95, 98, 100, and 105k. I don't even get past 30 miles range while
> both Johns are getting 60+ miles. I even overlayed the data on a map using
> Bully Crk as launch. I'm also using ascent of 1000 and descent of 1200. Is
> this correct?

Use a burst of 100,000 feet. The ascent and descent rates are
good. We're using the same balloon as last time and three pounds
of positive lift (free lift).

5138. Today's Flight Prediction

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-21 14:52:07 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5138 Message: 5138

Using today's winds out of Boise (I didn't book mark the more advanced site) the balloon would land 27 miles away at a heading of 101 degrees. I can't get to the MRF site to see how the winds aloft are changing over the next couple of days.

since we are unseasonably warm, the jet stream should be to our north. The weather is not predicted to cool down until after Saturday, so the jet should stay to our north for the launch.

What could be better? Warmer mornings and a short chase.

Let's plan to launch around 8:00 AM.

See you at tonight's FRR.

Paul

5139. Re: [tvnsp] Today's Flight Prediction

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-21 14:59:13 UTC
From: John Knapp
Topic: 5138 Message: 5139

Ihaven't done today's prediction yet, but yesterday, modifing the data file on balloon track above 85,000ft, and using and avn model forcast model, I had the following:

Flight time 138 minutes
Bearing: 114 degrees
Range: 47 miles.

This afternoon I will do the same as I did last week, with predicted balloon flights from several locations. One thing I have noticed is a constantly changing forcast for Saturday, Monday the winds were predicted to be going almost straight south. They have been slowly swinging to the east.

I will send out more as I can

JohnK
KD7HGS

--- verhap@... wrote:
> Using today's winds out of Boise (I didn't book mark
> the more
> advanced site) the balloon would land 27 miles away
> at a heading
> of 101 degrees. I can't get to the MRF site to see
> how the winds
> aloft are changing over the next couple of days.
>
> since we are unseasonably warm, the jet stream
> should be to our
> north. The weather is not predicted to cool down
> until after
> Saturday, so the jet should stay to our north for
> the launch.
>
> What could be better? Warmer mornings and a short
> chase.
>
> Let's plan to launch around 8:00 AM.
>
> See you at tonight's FRR.
>
> Paul
>

Do you Yahoo!?
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http://mailplus.yahoo.com

5140. Re: [tvnsp] Saturday Predictions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-21 15:01:47 UTC
From: John Knapp
Topic: 5134 Message: 5140

Justin, if you check your winds, you will find the
data ends at about 85,000 ft. That may be why your
range is a little short. If you are at the meeting
tonight either JohnS or I will show you how to
compensate for the problem.

JohnK
KD7HGS

--- DEBRA S FORMOLO <J_Formolo@...> wrote:
> Group,
>
> I hope I'm doing this right. I ran my own
> prediction using the University
> of Wyoming data for Nov 21 00z. I came up with four
> results, using burst
> alt. at 95, 98, 100, and 105k. I don't even get
> past 30 miles range while
> both Johns are getting 60+ miles. I even overlayed
> the data on a map using
> Bully Crk as launch. I'm also using ascent of 1000
> and descent of 1200. Is
> this correct?
>
> Justin
>
>
>
>
>
>

> Add photos to your e-mail with MSN 8. Get 2 months
> FREE*.
> http://join.msn.com/?page=features/featuredemail
>

> ATTACHMENT part 2 image/pjpeg name=00Z 21 Nov 2002
Out.JPG

_____
Do you Yahoo!?
Yahoo! Mail Plus ? Powerful. Affordable. Sign up now.
http://mailplus.yahoo.com

5141. Re: [tvnsp] Saturday Predictions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-21 15:56:46 UTC
From: Randy Farley
Topic: 5134 Message: 5141

I can make launch. Cannot make the FRR.
So keep me posted on the essentials please.
I have the gantry,which i will bring. I Also picked up
an inexpensive hand truck for the helium tanks
if you want me to bring it.
I hate handling H. tanks in the cold. ;-)

regards,

Randy

>>> verhap@...01.k12.id.us 11/21/02 07:24AM >>>
> I hope I'm doing this right. I ran my own prediction using the University
> of Wyoming data for Nov 21 00z. I came up with four results, using burst
> alt. at 95, 98, 100, and 105k. I don't even get past 30 miles range while
> both Johns are getting 60+ miles. I even overlayed the data on a map using
> Bully Crk as launch. I'm also using ascent of 1000 and descent of 1200. Is
> this correct?

Use a burst of 100,000 feet. The ascent and descent rates are
good. We're using the same balloon as last time and three pounds
of positive lift (free lift).

I tested the MIM again last night. It worked well, but the voltages
returned in telemetry were acting up. Jeff, can you spare a
Thermochron for Saturday's launch?

Can Stephanie, Norma, and Randy make the launch?

Paul

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tvnsp-unsubscribe@egroups.com

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5142. Re: [tvnsp] FRR

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-21 16:48:58 UTC
From: bherrman@spro.net
Topic: 2345 Message: 5142

> We need to pass the information out over the repeater. Not
> everyone interested in the launches has email.

Since you're having the FRR tonight you should try to hit the VOI net
with the news.

Bill

5143. Re: [tvnsp] FRR

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-21 16:49:06 UTC
From: Justin FORMOLO
Topic: 2345 Message: 5143

I was wondering if someone can bring the factory OEM cd's of Street Atlas 8 or 9 so I may reload my laptop at tonights FRR. For some reason, my maps lock up while I use it. I don't know if this is an XP vs. Win 98 conflict but I'm hoping a full reload can cure this problem. Thanks

Justin

_____
The new MSN 8: smart spam protection and 2 months FREE*
http://join.msn.com/?page=features/junkmail

5144. VOI VP's Email

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-21 17:25:20 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5144 Message: 5144

I need to talk to the VOI VP about his newest video system. Can someone send me the email address?

Thanks,
Paul

5145. Re: [tvnsp] VOI VP's Email

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-21 19:05:20 UTC
From: Mike Garske
Topic: 5144 Message: 5145

That would be Francis Wilson W7HDI, his email is w7hdi@....

Mike KC7DPD
www.tvnsp.org
----- Original Message -----
From: <verhap@...>
To: <tvnsp@yahoogroups.com>
Sent: Thursday, November 21, 2002 10:25 AM
Subject: [tvnsp] VOI VP's Email

> I need to talk to the VOI VP about his newest video system. Can
> someone send me the email address?
>
> Thanks,
> Paul
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
>

5146. Re: [tvnsp] Saturday Predictions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-21 19:09:38 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5134 Message: 5146

> I can make launch. Cannot make the FRR.
> So keep me posted on the essentials please.
> I have the gantry,which i will bring. I Also picked up
> an inexpensive hand truck for the helium tanks
> if you want me to bring it.
> I hate handling H. tanks in the cold. ;-)

I have the hand truck John the Younger picked up. It makes you
tough when you haul those tanks by hand!

Paul

5147. Re: [tvnsp] FRR

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-21 19:10:37 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2345 Message: 5147

> Since you're having the FRR tonight you should try to hit the VOI net
> with the news.

Good idea. We can make a joint announcement from Mike's place
and eat pizza at the same time.

Paul

5148. Moon Hoax

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-21 19:58:30 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5148 Message: 5148

The Connection, a NPR show, did a show on the Moon Hoax yesterday. James Oberg, Phil Plaitt, and Andrew Chakin all discuss what the Moon Hoax Idiots are saying. You can hear the radio show over the web at the following URL. Watch out for the break in the URL.

http://www.theconnection.org/shows/2002/11/20021120_b_main.asp

Paul

5149. Re: [tvnsp] FRR

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-21 20:17:39 UTC
From: Tim Rynearson
Topic: 2345 Message: 5149
Attachments: 1 described; binary payloads are missing from this source WARC

A good time to put this information out on the repeater is during the net tonight on 146.84. I believe the net starts at 8 and they have a section for announcements.

Tim

-------Original Message-------

From: tvnsp@yahoogroups.com
Date: Thursday, November 21, 2002 08:50:21 AM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] FRR

> No problem David, we will send an email out detailing the flight
> information, and all the whens, wheres, and hows when we all get together
> tomorrow. Hope to see you Saturday!

I recall a phone call I recieved this weekend from Glenn of VOI.

We need to pass the information out over the repeater. Not everyone interested in the launches has email.

John the Younger, can you put that on your FRR checklist?

Paul

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.

5150. Prediction for Saturday

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-21 21:03:41 UTC
From: John Knapp
Topic: 5144 Message: 5150

Using the ETA 40KM Sounding, and adding the winds from
today to get the height the balloon should travel, I
get the following:

Flight time: 136 minutes
Bearing: 131 degrees
Range: 49 miles.

I hope someone else can confirm this. If it is correct
we may have an interesting time finding a launch site.

JohnK
KD7HGS

Do you Yahoo!?
Yahoo! Mail Plus ? Powerful. Affordable. Sign up now.
http://mailplus.yahoo.com

5151. Re: [tvnsp] VOI VP's Email

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-21 21:15:30 UTC
From: Russell Dunn
Topic: 5144 Message: 5151

Here you go Paul, published on the group email in case anyone else needs it:

w7hdi@...

Francis Wilson. Home phone is listed in the Boise phone book as 323-1823. He monitors the VOI repeaters.

Russ (the makeshift secretary) N7SMA
----- Original Message -----
From: verhap@...01.k12.id.us
To: tvnsp@yahoogroups.com
Sent: Thursday, November 21, 2002 10:25 AM
Subject: [tvnsp] VOI VP's Email

I need to talk to the VOI VP about his newest video system. Can
someone send me the email address?

Thanks,
Paul

5152. Re: [tvnsp] Saturday Predictions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-21 21:10:34 UTC
From: Randy Farley
Topic: 5134 Message: 5152

>>> verhap@... 11/21/02 12:09PM >>>
I have the hand truck John the Younger picked up. It makes you
tough when you haul those tanks by hand!

Paul

I'll remember that when you turn 50 ish.
I was once 'bullet proof" too. ;-))

To unsubscribe from this group, send an email to:
tvnsp-unsubscribe@egroups.com

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5153. Re: VOI VP's Email

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-21 21:39:48 UTC
From: w7mjr
Topic: 5144 Message: 5153

Have you transmitted live ATV on any of your flights before? I
understand TVNSP captures still photos and occasionally records
video. Live ATV would be interesting.

Francis (W7HDI) presented his video camera and microwave transmitter
at
the September VOI meeting. I was thinking at the time, "Gee, I wonder
if TVNSP has transmitted live video during flight." Might this be the
video system Paul's referring to?

I spoke briefly with John (K7JPS) about ATV at the last VOI meeting,
and this sounds like something you might consider for a future
launch? Does it pose any major technical difficulties?

Thanks,

Mike, W7MJR
(newbie:)

5154. Re: [tvnsp] Prediction for Saturday

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-21 21:56:27 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5144 Message: 5154

> I hope someone else can confirm this. If it is correct
> we may have an interesting time finding a launch site.

Fruitland?

Paul

5155. Re: [tvnsp] Prediction for Saturday

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-21 22:13:43 UTC
From: John Knapp
Topic: 5144 Message: 5155

Dead centers the Freeway at Amity Rd. This is east of
Broadway and West of Gowen Rd.

JohnK

--- verhap@... wrote:
> > I hope someone else can confirm this. If it is
> correct
> > we may have an interesting time finding a launch
> site.
>
> Fruitland?
>
> Paul
>

_____
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http://mailplus.yahoo.com

5156. Re: [tvnsp] VOI VP's Email

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-21 22:35:32 UTC
From: Doug Rich
Topic: 5144 Message: 5156

w7hdi@...

At 10:25 AM 11/21/02 -0700, you wrote:
>I need to talk to the VOI VP about his newest video system. Can
>someone send me the email address?
>
>Thanks,
>Paul
>
>To unsubscribe from this group, send an email to:
>tvnsp-unsubscribe@egroups.com
>
>
>
>Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

5157. Re: [tvnsp] FRR

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-21 22:40:30 UTC
From: Doug Rich
Topic: 2345 Message: 5157
Attachments: 3 described; binary payloads are missing from this source WARC

At 01:17 PM 11/21/02 -0700, you wrote:
>A good time to put this information out on the repeater is during the net
>tonight on 146.84. I believe the net starts at 8 and they have a section
>for announcements.
> It is not on 146.84. It is on 147.240 or 443.600 or 146.620.
>Tim
>
>-------Original Message-------
>
>From: <mailto:tvnsp@yahoogroups.com>tvnsp@yahoogroups.com
>Date: Thursday, November 21, 2002 08:50:21 AM
>To: <mailto:tvnsp@yahoogroups.com>tvnsp@yahoogroups.com
>Subject: Re: [tvnsp] FRR
>
> > No problem David, we will send an email out detailing the flight
> > information, and all the whens, wheres, and hows when we all get together
> > tomorrow. Hope to see you Saturday!
>
>I recall a phone call I recieved this weekend from Glenn of VOI.
>
>We need to pass the information out over the repeater. Not
>everyone interested in the launches has email.
>
>John the Younger, can you put that on your FRR checklist?
>
>Paul
>
>To unsubscribe from this group, send an email to:
><mailto:tvnsp-unsubscribe@egroups.com>tvnsp-unsubscribe@egroups.com
>
>
>
>Your use of Yahoo! Groups is subject to
><http://docs.yahoo.com/info/terms/>http://docs.yahoo.com/info/terms/
>
>
>
>
>
>.
>____
><http://www.incredimail.com/redir.asp?ad_id=309&lang=9>Re [tvnsp]
>FRR.gif IncrediMail - Email has finally evolved -
><http://www.incredimail.com/redir.asp?ad_id=309&lang=9>Click Here

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><http://rd.yahoo.com/M=234081.2677558.4057087.1925585/D=egroupweb/S=1705083281:HM/A=1327985/R=0/*http://ad.doubleclick.net/clk;4870024;7586687;x?http://www.ameriquestmortgage.com/welcome.html?ad=Yahoo01>49c8849.jpg
>49c8894.jpg
>
>To unsubscribe from this group, send an email to:
>tvnsp-unsubscribe@egroups.com
>
>
>
>Your use of Yahoo! Groups is subject to the
><http://docs.yahoo.com/info/terms/>Yahoo! Terms of Service.

5158. Re: [tvnsp] FRR

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-22 00:07:46 UTC
From: Jeff Melanson
Topic: 2345 Message: 5158

Yes,

I will bring Street Atlas.

Jeff
KD7INN

Justin FORMOLO wrote:
>
> I was wondering if someone can bring the factory OEM cd's
> of Street Atlas 8
> or 9 so I may reload my laptop at tonights FRR. For some
> reason, my maps
> lock up while I use it. I don't know if this is an XP vs.
> Win 98 conflict
> but I'm hoping a full reload can cure this problem.
> Thanks
>
> Justin
>
> _____
> The new MSN 8: smart spam protection and 2 months FREE*
> http://join.msn.com/?page=features/junkmail
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
> Your use of Yahoo! Groups is subject to the Yahoo! Terms
> of Service.

5159. TV02H is a GO for launch!

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-22 07:37:38 UTC
From: Mike Garske
Topic: 5159 Message: 5159

Group,

TV02H will launch on Saturday, November 23rd at 7:30am MST. The launch location is Rabbit Creek Trailhead located about 2 miles north of the town of Murphy. The preliminary landing predictions puts it near Bruneau as of Thursday afternoon's ETA model.
Launch preparations will promptly start at 6:30am. Current flight profile predicts a 100,000+ ft flight, and it will have a camera on board. If all goes well, we should have some spectacular pictures to check out!
If anyone is interested in coming out to the flight to watch and/or chase and needs directions or wants to follow one of us out to the launch site, let us know by responding to this email by tomorrow night. Hope to see everyone's smiling sunshiny face EARLY Saturday morning!

Just a friendly reminder....dress warm and be prepared for any hiking...it is a distinct possibility this weekend! Water, snacks, and some good sturdy hiking boots are the bare minimum for the hike. One more thing, be prepared to have fun!

Mike KC7DPD
www.tvnsp.org

5160. Re: [tvnsp] FRR

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-22 12:30:55 UTC
From: Tim Rynearson
Topic: 2345 Message: 5160
Attachments: 4 described; binary payloads are missing from this source WARC

OOPS....my bad.....

-------Original Message-------

From: tvnsp@yahoogroups.com
Date: Thursday, November 21, 2002 03:46:00 PM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] FRR

At 01:17 PM 11/21/02 -0700, you wrote:

A good time to put this information out on the repeater is during the net
tonight on 146.84. I believe the net starts at 8 and they have a section for
announcements.
It is not on 146.84. It is on 147.240 or 443.600 or 146.620.
Tim

-------Original Message-------

From: tvnsp@yahoogroups.com
Date: Thursday, November 21, 2002 08:50:21 AM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] FRR

> No problem David, we will send an email out detailing the flight
> information, and all the whens, wheres, and hows when we all get together
> tomorrow. Hope to see you Saturday!

I recall a phone call I recieved this weekend from Glenn of VOI.

We need to pass the information out over the repeater. Not
everyone interested in the launches has email.

John the Younger, can you put that on your FRR checklist?

Paul

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..

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5161. Rabbit Creek

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-22 14:18:18 UTC
From: Randy Farley
Topic: 5161 Message: 5161

Who has the lat/lon for rabbit creek?
A gremlin has messed up my launchsite file ;-(

regards,

Randy

Find Me at: http://maps.findu.com/n7gps

5162. Re: [tvnsp] Re: VOI VP's Email

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-22 14:25:45 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5144 Message: 5162

> Have you transmitted live ATV on any of your flights before? I
> understand TVNSP captures still photos and occasionally records
> video. Live ATV would be interesting.

I've send ATV on my KNSP flights. With a one watt signal and a
small yagi on the ground, the quality of the signal was not great.
That's why I went to camcorders.

> Francis (W7HDI) presented his video camera and microwave transmitter
> at
> the September VOI meeting. I was thinking at the time, "Gee, I wonder
> if TVNSP has transmitted live video during flight." Might this be the
> video system Paul's referring to?

Francis has a dish antenna for the ground station. With that extra
gain, ATV might be more feasible.

> I spoke briefly with John (K7JPS) about ATV at the last VOI meeting,
> and this sounds like something you might consider for a future
> launch? Does it pose any major technical difficulties?

I don't know if there will be challenges. But the way to find out is to
launch more balloons!

Paul

5163. I-Gate?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-22 15:46:47 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5163 Message: 5163

Will the mision be I-Gated? Last night during our FRR, we noticed
the capsules were not showing up on Findu. This may be because
we were in a bad location, but I thought I'd check up, just in case.

Paul

5164. Re: [tvnsp] I-Gate?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-22 16:10:24 UTC
From: Justin FORMOLO
Topic: 5163 Message: 5164

Paul,

You shouldn't have any trouble hitting an I-gate. Stephanie's QTH is our local internet gate. As long as you hit CNABAR and onto LIME digi's OR Stephanies QTH directly, everything should pass on to the internet.

Justin

_____
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5165. Re: [tvnsp] Rabbit Creek

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-22 16:34:09 UTC
From: John Knapp
Topic: 5161 Message: 5165

I don't have the lat/long for the Rabbit Creek Trail Head, I do have it for Murphy Airport. The trail head is about a mile or two befor Murphy on the right side of the road.

43.2158
-116.55
2825 feet

Hope this helps.

JohnK
--- Randy Farley <rfarley@...> wrote:
> Who has the lat/lon for rabbit creek?
> A gremlin has messed up my launchsite file ;-(
>
> regards,
>
> Randy
>
> Find Me at: http://maps.findu.com/n7gps
>

_____
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5166. Re: [tvnsp] I-Gate?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-22 16:49:34 UTC
From: Randy Farley
Topic: 5163 Message: 5166

Stephanie runs one 24/7.

You probably did not hit a digi.
I can barely hit one with the squeaky DJ-11
at my QTH. I Usually have to set my base stations
Alias to WIDE temporarily for it to get out in my testing.

>>> verhap@... 11/22/02 08:46AM >>>
Will the mision be I-Gated? Last night during our FRR, we noticed
the capsules were not showing up on Findu. This may be because
we were in a bad location, but I thought I'd check up, just in case.

Paul

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5167. Re: [tvnsp] Prediction for Saturday

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-22 17:04:19 UTC
From: Justin FORMOLO
Topic: 4693 Message: 5167

Hi all,
I ran a prediction this morning after work using the new method John showed me. I used this mornings BOI data and NOAA predicted data for +24hrs. Here's what I got.

Range: 31 miles
Bearing: 112.5 d
Time: 138.9 min

On the map, the landing is NW of Grand View, right were HWY 67 turns sharply south towards the river. There MIGHT be a chance that touchdown my swing more towards the east as time progresses, puting it in Military Maneauvering territory. I'll do a prediction later this afternoon and evening. Can't wait to see what both Johns got.

Justin

_____
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5168. Re: [tvnsp] I-Gate?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-22 17:21:15 UTC
From: bherrman@spro.net
Topic: 5163 Message: 5168

> You shouldn't have any trouble hitting an I-gate. Stephanie's QTH
> is our local internet gate.

It looks like W7MJR is running an IGate over in east Boise also.
Looking at the packets from my QTH I see a mix between his and
Stephanie's IGates for which handled it first.

It doesn't look like I'll be able to make the chase so I'll check to
make sure there's a working IGate in the area and bring mine up if
needed. (It shouldn't be necessary.) Besides, once the balloon is in
the air it'll likely be hitting the SLC IGates as well.

What call signs will the capsules be using? KD4STH-11 and ???

Bill

5169. Re: [tvnsp] Prediction for Saturday

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-22 17:37:03 UTC
From: John Knapp
Topic: 4693 Message: 5169

I just ran the predictions also. I agree with Justin's idea of a touch down. Also, I ran a predition for 95,000 ft. The touchdown was just west of Mt Home Air force base. Not a good thing. Also the landing area for 105,000 ft is only several miles from CJ Strike. We may want to consider changing the launch site, move it more to the west.

Any ideas from the group?

JohnK
--- Justin FORMOLO <J_Formolo@...> wrote:
> Hi all,
> I ran a prediction this morning after work using the
> new method John showed
> me. I used this mornings BOI data and NOAA
> predicted data for +24hrs.
> Here's what I got.
>
> Range: 31 miles
> Bearing: 112.5 d
> Time: 138.9 min
>
> On the map, the landing is NW of Grand View, right
> were HWY 67 turns sharply
> south towards the river. There MIGHT be a chance
> that touchdown my swing
> more towards the east as time progresses, puting it
> in Military Maneauvering
> territory. I'll do a prediction later this
> afternoon and evening. Can't
> wait to see what both Johns got.
>
> Justin
>
>

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>
>

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5170. Re: [tvnsp] Rabbit Creek

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-22 18:20:41 UTC
From: Randy Farley
Topic: 5161 Message: 5170

Close enough,tnx.

>>> kd7hgs@... 11/22/02 09:34AM >>>
I don't have the lat/long for the Rabbit Creek Trail
Head, I do have it for Murphy Airport. The trail head
is about a mile or two befor Murphy on the right side
of the road.

43.2158
-116.55
2825 feet

Hope this helps.

JohnK
--- Randy Farley <rfarley@...> wrote:
> Who has the lat/lon for rabbit creek?
> A gremlin has messed up my launchsite file ;-(
>
> regards,
>
> Randy
>
> Find Me at: http://maps.findu.com/n7gps
>

_____
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5171. Radio Meeting tonight?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-22 18:28:51 UTC
From: Mike Garske
Topic: 5171 Message: 5171

Group,

How about we get on the 147.240 repeater and discuss or announce any changes to the launch tonight, if there is any? Say around 7:00 or 8:00pm? Any objections? That way after tonights soundings come out we can have a better picture about tomorrow. Plus, it might get some more people interested who might be listening.

Mike KC7DPD
www.tvnsp.org

5172. Re: [tvnsp] Radio Meeting tonight?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-22 18:47:52 UTC
From: Justin FORMOLO
Topic: 5171 Message: 5172

Sounds good to me. So far, a Bully Crk launch is looking alright, but we'll be able to know later tonight.

Justin

>Group,
>
> How about we get on the 147.240 repeater and discuss or announce any
>changes to the launch tonight, if there is any? Say around 7:00 or 8:00pm?
>Any objections? That way after tonights soundings come out we can have a
>better picture about tomorrow. Plus, it might get some more people
>interested who might be listening.
>
>Mike KC7DPD
> www.tvnsp.org

_____
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5173. Re: [tvnsp] Prediction for Saturday

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-22 19:13:53 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 4693 Message: 5173

More west?
How about Homedale or Kuna, which adds a northernly component
to the touch down location.

Paul

> I just ran the predictions also. I agree with Justin's
> idea of a touch down. Also, I ran a predition for
> 95,000 ft. The touchdown was just west of Mt Home Air
> force base. Not a good thing. Also the landing area
> for 105,000 ft is only several miles from CJ Strike.
> We may want to consider changing the launch site, move
> it more to the west.
>
> Any ideas from the group?
>
> JohnK
> --- Justin FORMOLO <J_Formolo@...> wrote:
> > Hi all,
> > I ran a prediction this morning after work using the
> > new method John showed
> > me. I used this mornings BOI data and NOAA
> > predicted data for +24hrs.
> > Here's what I got.
> >
> > Range: 31 miles
> > Bearing: 112.5 d
> > Time: 138.9 min
> >
> > On the map, the landing is NW of Grand View, right
> > were HWY 67 turns sharply
> > south towards the river. There MIGHT be a chance
> > that touchdown my swing
> > more towards the east as time progresses, puting it
> > in Military Maneauvering
> > territory. I'll do a prediction later this
> > afternoon and evening. Can't
> > wait to see what both Johns got.
> >
> > Justin
> >
> >
> _____
> > Help STOP SPAM with the new MSN 8 and get 2 months
> > FREE*

> > http://join.msn.com/?page=features/junkmail
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> Do you Yahoo!?
> Yahoo! Mail Plus ☐ Powerful. Affordable. Sign up now.
> http://mailplus.yahoo.com
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
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>
>

5174. Re: [tvnsp] Radio Meeting tonight?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-22 20:21:43 UTC
From: John Knapp
Topic: 5171 Message: 5174

I will be listening and running more predictions
between 7 and 8. Talk to you then.

I have run some preditions for the lot across the
street from Randy's house. The landing is in a circle
about 8 miles in diameter with Pearl in the center.
Homedale might also be a good alternative. Haven't
done Bully Creek yet.

JohnK
KD7HGS

--- Mike Garske <kc7dpd@...> wrote:
> Group,
>
> How about we get on the 147.240 repeater and
> discuss or announce any changes to the launch
> tonight, if there is any? Say around 7:00 or 8:00pm?
> Any objections? That way after tonights soundings
> come out we can have a better picture about
> tomorrow. Plus, it might get some more people
> interested who might be listening.
>
> Mike KC7DPD
> www.tvnsp.org

_____
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http://mailplus.yahoo.com

5175. Re: [tvnsp] I-Gate?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-22 21:41:31 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5163 Message: 5175

> What call signs will the capsules be using? KD4STH-11 and ???

KD4STH-10

Paul

5176. Re: Radio Meeting tonight?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-23 03:56:57 UTC
From: jiminy_cricket41
Topic: 5171 Message: 5176

have we decided where we're going to launch from yet?
I need to make sure it's alright with my parents if I
go, and they want to know where it's going to be at.

(I'll also probably need directions to wherever we're
going. email me at david@...)

thanks!
David

5177. Re: [tvnsp] Re: Radio Meeting tonight?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-23 04:03:52 UTC
From: John Knapp
Topic: 5171 Message: 5177

We will be meeting at 8:00 am at the Homedale Airport.
We are planning on launching at about 9:00 am if the
winds co-operate.

JohnK
KD7HGS

--- jiminy_cricket41 <jiminy_cricket41@...>
wrote:
> have we decided where we're going to launch from
> yet?
> I need to make sure it's alright with my parents if
> I
> go, and they want to know where it's going to be at.
>
> (I'll also probably need directions to wherever
> we're
> going. email me at david@...)
>
> thanks!
> David
>
>

_____
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5178. Re: Radio Meeting tonight?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-23 04:44:43 UTC
From: jiminy_cricket41
Topic: 5171 Message: 5178

unfortunately, it doesn't look like my parents are going
to let me go to this one...
Srry about that.

Hope it goes well
good luck!

David

5179. TV02H Launch Site Change

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-23 04:49:23 UTC
From: Mike Garske
Topic: 5179 Message: 5179

Group,

It has been decided that we will meet at the Homedale Airport at 8:00am tomorrow. We will wait for the current soundings from the Boise Airport to make the final launch decision. Right now the winds are shifting from out of the Southwest to the Northwest, and we want to make sure this transition is complete before we launch. We hope to be landing in the Orchard area between Boise and Mountain Home, South of Interstate 84.

****Directions to Homedale Airport****

Take I-84 West to Exit 27, Take to State Route 19 to Highway 95. Take a left on Hwy 95, this will take you to Homedale. The airport is on the right hand side just after you cross the Snake River bridge, so keep a sharp eye out for it. If these directions are still unclear David, you can call me in the morning before 7am, my phone number is 846-9219.

Mike Garske KC7DPD
www.tvnsp.org

5180. Ummm, guys, I need your prediction data...

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-23 04:50:20 UTC
From: Bill Herrmann
Topic: 5171 Message: 5180

I'd really like to get at least one prediction from tonights over the air session so I can confirm that my numbers match yours with tonights data so that I have some confidence in the numbers I run for you in the morning....

Bill

p.s. For those out of the area - Winds are changing but are expected to settle overnight. TVNSP is planning to meet at the Homedale airport at 0800 local. I'll run a prediction with the morning sounding from Boise to confirm the expected prediction and they hope to launch at 0900 local. (We're -7 so that would be 1600Z)

5181. Re: [tvnsp] Ummm, guys, I need your prediction data...

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-23 05:18:58 UTC
From: John Knapp
Topic: 5171 Message: 5181

I don't have the exact location, but if launched from
Homedale the casules should land south of Owyhee and
west of Orchard. This is north west of the Orchard
Training area.

I had:

Bearing: 119 degrees
Range: 41 miles
Time of Flight: 133 minutes.

I did try to call you on the radio, there was no
answer.

JohnK
KD7HGS
--- Bill Herrmann <bherrman@...> wrote:
> I'd really like to get at least one prediction from
> tonights over the air
> session so I can confirm that my numbers match yours
> with tonights data so
> that I have some confidence in the numbers I run for
> you in the morning....
>
> Bill
>
> p.s. For those out of the area - Winds are changing
> but are expected to
> settle overnight. TVNSP is planning to meet at the
> Homedale airport at 0800
> local. I'll run a prediction with the morning
> sounding from Boise to
> confirm the expected prediction and they hope to
> launch at 0900 local.
> (We're -7 so that would be 1600Z)
>
>
>

_____
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5182. Re: [tvnsp] Ummm, guys, I need your prediction data...

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-23 05:30:37 UTC
From: Doug Eubanks
Topic: 5171 Message: 5182

Ok you guys, I just gotta get my $.02 in from Nebraska,

I currently come up with:

Bearing: 115 degrees
Range: 46 miles
Time: 127 minutes

Same basic area, WNW of Orchard.

Doug, KA?O
NSTAR

----- Original Message -----
From: "John Knapp" <kd7hgs@...>
To: <tvnsp@yahoogroups.com>
Sent: Friday, November 22, 2002 11:18 PM
Subject: Re: [tvnsp] Ummm, guys, I need your prediction data...

> I don't have the exact location, but if launched from
> Homedale the casules should land south of Owyhee and
> west of Orchard. This is north west of the Orchard
> Training area.
>
> I had:
>
> Bearing: 119 degrees
> Range: 41 miles
> Time of Flight: 133 minutes.
>
> I did try to call you on the radio, there was no
> answer.
>
> JohnK
> KD7HGS
> --- Bill Herrmann <bherrman@...> wrote:
> > I'd really like to get at least one prediction from
> > tonights over the air
> > session so I can confirm that my numbers match yours
> > with tonights data so
> > that I have some confidence in the numbers I run for
> > you in the morning....
> >
> > Bill
> >
> > p.s. For those out of the area - Winds are changing

> > but are expected to
> > settle overnight. TVNSP is planning to meet at the
> > Homedale airport at 0800
> > local. I'll run a prediction with the morning
> > sounding from Boise to
> > confirm the expected prediction and they hope to
> > launch at 0900 local.
> > (We're -7 so that would be 1600Z)
> >
> >
> >
>
>
> _____
> Do you Yahoo!?
> Yahoo! Mail Plus - Powerful. Affordable. Sign up now.
> http://mailplus.yahoo.com
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>
>

5183. Re: [tvnsp] Ummm, guys, I need your prediction data...

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-23 05:28:52 UTC
From: Bill Herrmann
Topic: 5171 Message: 5183

>I had:

Thanks! I'll work with that.

>I did try to call you on the radio, there was no answer.

I was using the HT in the house up until about the time I sent that message. (Threw it on the charger then.) There are some areas of the house where I have a very hard time hearing Cinnabar on the HT.

Bill

5184. Re: [tvnsp] Ummm, guys, I need your prediction data...

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-23 05:40:57 UTC
From: Mike Garske
Topic: 5171 Message: 5184

Bill,

It is a bit complicated if you haven't done it before, but here are some clues on how I did it. Download the ETA model as text, run it through Balloon Track. Baltrak will create a profile with these numbers. Remember where this Profile is kept, then run the latest sounding (12Z), and find this file that Baltrak will create. The ETA model only goes to 60,000 feet, so you have to cut and paste the 12Z soundings results from 60k on up into the ETA profile. Once these are combined, you have to change 2 numbers at the very top of this Profile to the number of lines of data you now have. These are the LAST two numbers, they will be separated by commas. Once you have done that you can force a recalculation with balloon track and you should come up with:

43.3 miles, 122.2 bearing. This is using 105k for the burst, 1000 ascent, 1200 descent from the Homedale airport

Hope this helps, I watched John KD7HGS do it tonight, then I figured it out just now.....looks like it worked!

Mike KC7DPD
www.tvnsp.org

----- Original Message -----
From: "Bill Herrmann" <bherrman@...>
To: <tvnsp@yahoogroups.com>
Sent: Friday, November 22, 2002 9:50 PM
Subject: [tvnsp] Ummm, guys, I need your prediction data...

I'd really like to get at least one prediction from tonights over the air session so I can confirm that my numbers match yours with tonights data so that I have some confidence in the numbers I run for you in the morning....

Bill

p.s. For those out of the area - Winds are changing but are expected to settle overnight. TVNSP is planning to meet at the Homedale airport at 0800 local. I'll run a prediction with the morning sounding from Boise to confirm the expected prediction and they hope to launch at 0900 local. (We're -7 so that would be 1600Z)

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5185. TV02H Launch Site Info

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-23 05:57:41 UTC
From: Bill Herrmann
Topic: 5179 Message: 5185

Homedale Airport
43.6142166 -116.9214833
Altitude 2228 Feet (per TopoUSA 3.0)

Note that that lat/long is very slightly off what TopoUSA found, but that's what I was given as a launch site.

5186. Re: [tvnsp] Ummm, guys, I need your prediction data...

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-23 06:42:22 UTC
From: Bill Herrmann
Topic: 5171 Message: 5186

At 10:40 PM 11/22/02 -0700, you wrote:
>It is a bit complicated if you haven't done it before, but here are some
>clues on how I did it.

Thanks - that got me there, however, I'm not sure how much faith I have in the result. (I checked the wind profile that balloon track had and I believe they match the data I fed it - however, the number of data points in the predicted data set is much less than the same altitude range in the actual sounding data.)

>Hope this helps, I watched John KD7HGS do it tonight, then I figured it out
>just now.....looks like it worked!

Geez! Talk about an error waiting to happen. I'm not going to tackle it tonight but we need a data validator for Balloon Track wind profiles.

Boy am I glad that I'll be running the prediction with actual soundings tomorrow morning!

Bill

5187. Re: [tvnsp] Ummm, guys, I need your prediction data...

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-23 13:36:36 UTC
From: John Knapp
Topic: 5171 Message: 5187

Bill,

Be sure you checkmark the recalculation box at the
bottom left of the Wyoming screen.

johnk

--- Bill Herrmann <bherrman@...> wrote:
> At 10:40 PM 11/22/02 -0700, you wrote:
> >It is a bit complicated if you haven't done it
> before, but here are some
> >clues on how I did it.
>
> Thanks - that got me there, however, I'm not sure
> how much faith I have in
> the result. (I checked the wind profile that balloon
> track had and I
> believe they match the data I fed it - however, the
> number of data points
> in the predicted data set is much less than the same
> altitude range in the
> actual sounding data.)
>
> >Hope this helps, I watched John KD7HGS do it
> tonight, then I figured it out
> >just now.....looks like it worked!
>
> Geez! Talk about an error waiting to happen. I'm not
> going to tackle it
> tonight but we need a data validator for Balloon
> Track wind profiles.
>
> Boy am I glad that I'll be running the prediction
> with actual soundings
> tomorrow morning!
>
> Bill
>
>
>

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Yahoo! Mail Plus ? Powerful. Affordable. Sign up now.
http://mailplus.yahoo.com

5188. RE: [tvnsp] Re: Radio Meeting tonight?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-23 13:49:35 UTC
From: K7JPS - John
Topic: 5171 Message: 5188

Sorry to hear that. Remember that you can follow mission progress on the web. At the bottom of the page at www.tvnsp.org there is a link to kd4sth-11 and kd4sth-10 both of these will take you to maps that refresh every three minutes with the latest location information.

John
K7JPS

-----Original Message-----
From: jiminy_cricket41 [mailto:jiminy_cricket41@...]
Sent: Friday, November 22, 2002 21:45
To: tvnsp@yahoogroups.com
Subject: [tvnsp] Re: Radio Meeting tonight?

unfortunately, it doesn't look like my parents are going
to let me go to this one...
Srry about that.

Hope it goes well
good luck!

David

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5189. Re: [tvnsp] Re: Radio Meeting tonight?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-23 14:31:25 UTC
From: Bill Herrmann
Topic: 5171 Message: 5189

At 04:44 AM 11/23/02 +0000, David wrote:
>unfortunately, it doesn't look like my parents are going to let me go to
>this one...

Just a thought David - I'm only able to be here on the net control end till launch time. They could probably use somebody to watch over them from this end.

Bill

5190. TV02H Update

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-23 16:04:31 UTC
From: Bill Herrmann
Topic: 5171 Message: 5190

They've moved the launch site slightly. They'll be launching from near Homedale High School.

Approximate launch location is:
43.61786 -116.92921 at 2235 feet

Predictions show the wind turning south so we're predicting a flight path between 113 degrees and 138 degrees.

Right now they expect to launch around 0930 local.

Bill

p.s. Capsule callsigns are KD4STH-10 and KD4STH-11

5191. TV02H Update 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-23 16:18:10 UTC
From: Bill Herrmann
Topic: 5191 Message: 5191

Got an update from John:

They've moved the launch site slightly. They'll be launching from near
Homedale High School.

Launch location is:
43.61879 -116.92963 at 2238 feet

They expect to be ready to launch by 0930 local but may hold till 1000 just
to let the winds turn a little more south.

Bill

p.s. Capsule callsigns are KD4STH-10 and KD4STH-11

5192. Re: [tvnsp] TV02H Update 2

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-23 16:30:29 UTC
From: Doug Eubanks
Topic: 5191 Message: 5192

Boy, my predictions are jumping all over the place.
I can't get the current soundings out of Wyoming, and getting them
from Ohio State shows 1 corrupt reading but puts the landing in
downtown Boise! So after some number crunching here
is my prediction for a landing.......N43.0935 W116.1498

Tell Paul to aim for that spot!

Doug
KAØO
----- Original Message -----
From: Bill Herrmann
To: tvnsp@yahoogroups.com
Sent: Saturday, November 23, 2002 10:18 AM
Subject: [tvnsp] TV02H Update 2

Got an update from John:

They've moved the launch site slightly. They'll be launching from near
Homedale High School.

Launch location is:
43.61879 -116.92963 at 2238 feet

They expect to be ready to launch by 0930 local but may hold till 1000 just
to let the winds turn a little more south.

Bill

p.s. Capsule callsigns are KD4STH-10 and KD4STH-11

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5193. TV02H Prediction

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-23 16:37:41 UTC
From: Harry M
Topic: 5193 Message: 5193

I get a flight that heads SE and a landing somewhere between
Orchard and Hammett, south of Hwy 84.

Harry
KC5TRB

5194. Re: [tvnsp] TV02H Prediction

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-23 16:42:49 UTC
From: Harry M
Topic: 5193 Message: 5194

Got KD4STH-11 @ 4154 ft on FINDu.

Harry

5195. TV02H

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-23 16:44:13 UTC
From: Harry M
Topic: 5195 Message: 5195

20.1 miles northwest of NAMPA, ID

Status: TV02H R-10 Status: 0000/Pix: 8/Ascending/100k and Bust!
Altitude: 6963 feet
Report received 7 seconds ago

Raw packet: KD4STH-11>GPSPO,WIDE3-3,qAS,KC7DBA:$GPGGA,164359,4336.8395,N,11654.9341,W,1,09
,1.0,2116.4,M,-18.4,M,,*49

5196. Re: [tvnsp] TV02H

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-23 16:53:36 UTC
From: Harry M
Topic: 5195 Message: 5196

-10 now on FINDu

17.3 miles northwest of NAMPA, ID
Altitude: 15179 feet
Report received 17 seconds ago

Raw packet: KD4STH-10>APRS,WIDE-3,qAS,KC7DBA:$GPGGA,165214,4334.7213,N,11652.2661,W,1,11,0.9,4613.7,M,-18.4,M,,/GPS FIX

5197. TV02H - raw data

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-23 18:55:40 UTC
From: Tim Rynearson
Topic: 5197 Message: 5197
Attachments: 3 described; binary payloads are missing from this source WARC

Here's the raw data from both trackers as received by my home station.

Tim

5198. TV02H

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-23 19:03:37 UTC
From: Tim Rynearson
Topic: 5195 Message: 5198
Attachments: 1 described; binary payloads are missing from this source WARC

Some numbers from here: Max altitude - 85150 feet, distance travelled - 55.3 miles, final coordinates - 43 03 08 X 116 09 29, time from first packet to last - 2 hours 23 seconds.

Tim, N7UBO

5199. TV02H comments and raw data from KC7JSD

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-23 20:19:28 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 5199 Message: 5199
Attachments: 1 described; binary payloads are missing from this source WARC

Attached is a simple text file that contains the data I was able to capture. I never saw KD4STH-10 at all, only KD4STH-11.

I will be very interested in hearing about the chase and retrieval. I know the area where it came down, so I'm really interested in hearing how the chase went, what roads it took.

Something that came to me as I was tracking it at home (previous commitment was cancelled just before I was to leave for it, so tracked TV02H from home instead). Situations like this, it would be very useful to be able to see where things are going, not only the balloons, but also the trackers. Case in point: from my maps here I could have contacted one of the chase teams to advise them that they needed to take a certain road, otherwise they would be dead-ended, or to recommend running for the bridge at Grandview rather than turning and going for Walter's Ferry as you had a more direct path there. The problem here is, I had no idea what calls to monitor for the chase teams.

As a result, I would like to propose adding one more item to the checklist gone over at the meeting before launch day. I recommend that you add tactical calls in a similar manner to that we use with the Women's Challenge. All chase vehicles running APRS set their MYCALL to a tactical call such as TV02H1 (probably Paul! ;-), TV02H2, etc. and have the posit text include your actual call. That way, one can look at the map or call list or whatever and know instantly what the chase vehicles are to track, and could then either contact via voice or APRS one-liner using either the actual call or the tactical call. This would also allow those of us tracking it from here to collect and log the paths of the chasers to analyze and help discover more efficient ways to chase the balloon.

An example of this is, once you got past Walters Ferry, what provision was there for the balloon coming down on either side of the Snake? There's not that much opportunity to cross the river, and with the balloon following the Snake so closely, chasers on both sides might have been useful, maybe most on one side that the balloon was apparently heading to, but at least one on the other side?

One last, slightly humorous observation: loking at the path as shown on my map, I'm seeing that TV02H apparently noticed CJ Strike from up high and decided to make a beeline for that instead of Murphy! ;-)

73 de Bill, KC7JSD
<<TV02H.txt>>

5200. TVNSP 02H track map: following the Snake

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-23 20:45:11 UTC
From: Hank Riley
Topic: 5200 Message: 5200
Attachments: 1 described; binary payloads are missing from this source WARC

This one sure followed the Snake like a cruise missile
on a mission.

Hank

Help STOP SPAM with the new MSN 8 and get 2 months FREE*
http://join.msn.com/?page=features/junkmail

5201. Re: [tvnsp] TVNSP 02H track map: following the Snake

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-23 21:45:39 UTC
From: Harry M
Topic: 5200 Message: 5201
Attachments: 1 described; binary payloads are missing from this source WARC

I have attached my SA9 map with points from FindU.
I didn't start adding points & alt. until -11 was
south of Marsing. I was not getting frequent FindU
updates on -10. Last I saw it was at 85K, and that
was 45 min old.

On the map are three prediction lines. One went east
toward Boise and the other two SE. The balloons
followed the last prediction (red), except the down
range distance was shorter. i just looked at the 1800
Quick Sounding and it is a lot closer.

Harry
KC5TRB

5202. TVNSP 02H landing zone topo map

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-23 22:02:38 UTC
From: Hank Riley
Topic: 5202 Message: 5202
Attachments: 1 described; binary payloads are missing from this source WARC

This position at about 3500 feet would have been no more
than 1000 feet above ground level, so it should be pretty
close to the final resting spot.

Hank

Add photos to your e-mail with MSN 8. Get 2 months FREE*.
http://join.msn.com/?page=features/featuredemail

5203. 02H found fine

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-24 00:59:09 UTC
From: aerobotics58
Topic: 5203 Message: 5203

All -

Just an FYI since it looks like no one put it in yet. The Capsules were found and recovered. I'll let the others tell the details. There were no real problems encountered.

Dan

5204. TV02H map

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-24 01:09:56 UTC
From: Doug Eubanks
Topic: 5204 Message: 5204
Attachments: 1 described; binary payloads are missing from this source WARC

Here is my SA9 map with the flight path in Blue and the predicted path I had before launch in Red using forecast winds. I never did manage to get the 12z soundings from Wyoming!

Other than not showing the curly cues that the flight was making as it neared burst, the general path came out darned close to the actual! Now how is THAT for luck? I used 100k for a burst altitude, and 1000fpm for ascent and 1500fpm for descent.

I wanted to follow the flight live on the internet rather than find-u.com, but couldn't seem to figure out why APRS wouldn't work right. Well, now after several hours of playing, reloading, and cussing, found the problem. More operator error than anything. I had made mop files for my tracking maps, and their presence made the maps behave to their settings and not the ones I was entering manually. They would not even allow me to load the text logging files. So, learned something new!

Doug
KAØO

5205. Re: [tvnsp] TVNSP 02H track map: following the Snake

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-24 01:18:38 UTC
From: Jeff Melanson
Topic: 5200 Message: 5205

Hi Hank,

We can always tell people we did it on purpose! We were
surveying the river. Yah, that's it!
Everyone was talking about it landing on one side or the
other. It could have split the difference, then we wouldn't
need to worry about what side we were on.

Jeff
KD7INN

Hank Riley wrote:
>
> This one sure followed the Snake like a cruise missile
> on a mission.
>
> Hank
>
> _____
> Help STOP SPAM with the new MSN 8 and get 2 months FREE*
> http://join.msn.com/?page=features/junkmail
>
> Yahoo! Groups Sponsor
> ADVERTISEMENT
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>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
> Your use of Yahoo! Groups is subject to the Yahoo! Terms
> of Service.
>
> Name: o2h-map.gif
> o2h-map.gif Type: GIF Image (image/gif)
> Encoding: base64

5206. TV02H - raw data

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-24 01:47:58 UTC
From: Craig Brunson
Topic: 5197 Message: 5206
Attachments: 1 described; binary payloads are missing from this source WARC

Hi all-

Here is the raw track data I received in Hillsboro.
I saw none of the -10 data via rf, but saw lots of the -11.

Good flight.

Craig
N7TSZ

5207. TV02H

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-24 20:30:27 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5195 Message: 5207

From the -10 capsule, I have a max altitude of 85,062 feet and from the -11 capsule I have an altitude of 85,129 feet. I think Tim is looking at the same packet, but I used a conversion factor of 3.28.

Picture 20 was taken at 82,701 feet and picture 21 was taken at 2,853 feet. The reason one picture was taken during the ascent is because so many photos were taken before launch. I have the flight computer calculate when to take a photograph. with eight photos before launch, the ninth is calculted to take place at 82,000 feet. It looks like the reason so many photos were taken before launch is because my preflight routine didn't set a variable to teh correct value before returning to the flight routine.

The one photo during descent is still a puzzle. Photos are programmed to be taken once the capsule drops below 6,000 feet. It may be that the capsule descented fast enough that it missed taking a photo higher than 2,800 feet.

The temperature data was blank. I need to look at the experiment and make sure it wasn't unplugged before launch. The main power voltage dropped as the temperature did and came back up again as the capsule interior warmed back up.

Paul

5208. TV02H sighting SE Boise

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-24 20:54:57 UTC
From: Mike Rogers
Topic: 5208 Message: 5208

I had a brief but beautiful view of TV02H through binoculars due west of my SE Boise location. TV02H was at about 35K ft and 30 mile range and had just come over the low lying morning haze. I lost track of it after I raced back to the house excited to tell my girlfriend about the sighting --- 'should have at least given a quick report on "24" since I was carrying my ht.

We tried finding it again later using the approximate altitude and azimuth based on the aprs positional data --- to no avail. TV02H was drifting eastwardly across the southern sky and back into the haze and glare of the sun --- and the trees across the street. This was my first deliberate high latitude balloon sighting. I'm sure visual tracking skills come with practice, but I'm pretty hyped about spotting it from that distance. Coincidentally, the launch was within several degrees of due west of my qth and the landing was practically due south.

Mike, W7MJR

5209. Re: [tvnsp] TV02H sighting SE Boise

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-24 21:01:23 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5208 Message: 5209

> I had a brief but beautiful view of TV02H through binoculars due west of my SE Boise location. TV02H was at about 35K ft and 30 mile range and had just come over the low lying morning haze. I lost track of it after I raced back to the house excited to tell my girlfriend about the sighting ---
'should have at least given a quick report on "24" since I was carrying my ht.

I've seen balloons at 100,000 feet, but we were very near to
beneath them.

Congrats,
Paul

5210. RE: [tvnsp] TV02H sighting SE Boise

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-24 21:26:54 UTC
From: Mike Rogers
Topic: 5208 Message: 5210
Attachments: 1 described; binary payloads are missing from this source WARC

Yes, I was surprise to see it and to make out it was a balloon. The position of the sun relative to me and the balloon worked to my advantage. Just out of curiosity, what is the approximate diameter of the balloon near 35,000 ft? I'd like to calculate the apparent diameter.

Are these balloons all made the same material (latex?) and light in color with fairly good reflectivity? And does the shape change much as it expands --- say from oblong to round --- or does it maintain some basic shape throughout the ascent?

I look forward to the next flight (probably next year?).

Thanks,

Mike, W7MJR

-----Original Message-----
From: verhap@... [mailto:verhap@...]
Sent: Sunday, November 24, 2002 7:01 AM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] TV02H sighting SE Boise

> I had a brief but beautiful view of TV02H through binoculars due west of my SE Boise location. TV02H was at about 35K ft and 30 mile range and had just come over the low lying morning haze. I lost track of it after I raced back to the house excited to tell my girlfriend about the sighting ---
'should have at least given a quick report on "24" since I was carrying my ht.

I've seen balloons at 100,000 feet, but we were very near to
beneath them.

Congrats,
Paul

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5211. Re: [tvnsp] TV02H

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-24 22:47:05 UTC
From: Randy Farley
Topic: 5195 Message: 5211

My log from home and tracking laptop show 85,211 feet from -11.

verhap@... wrote:
>
> >From the -10 capsule, I have a max altitude of 85,062 feet and from
> the -11 capsule I have an altitude of 85,129 feet. I think Tim is
> looking at the same packet, but I used a conversion factor of 3.28.
>
> Picture 20 was taken at 82,701 feet and picture 21 was taken at
> 2,853 feet. The reason one picture was taken during the ascent is
> because so many photos were taken before launch. I have the
> flight computer calculate when to take a photograph. with eight
> photos before launch, the ninth is calculted to take place at 82,000
> feet. It looks like the reason so many photos were taken before
> launch is because my preflight routine didn't set a variable to teh
> correct value before returning to the flight routine.
>
> The one photo during descent is still a puzzle. Photos are
> programmed to be taken once the capsule drops below 6,000 feet.
> It may be that the capsule descented fast enough that it missed
> taking a photo higher than 2,800 feet.
>
> The temperature data was blank. I need to look at the experiment
> and make sure it wasn't unplugged before launch. The main power
> voltage dropped as the temperature did and came back up again as
> the capsule interior warmed back up.
>
> Paul
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
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--
Regards,

Randy Farley
N7GPS -Ham Call-
My QTH at: http://map.findu.com/n7gps
Find Me Mobile at: http://map.findu.com/n7gps-9

5212. Re: [tvnsp] TV02H

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-24 23:12:44 UTC
From: Harry M
Topic: 5195 Message: 5212

Are the pics posted?
If so where?

Harry

> Picture 20 was taken at 82,701 feet and picture 21 was taken at
> 2,853 feet....

5213. RE: [tvnsp] TV02H sighting SE Boise

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-24 23:21:24 UTC
From: Mike Rogers
Topic: 5208 Message: 5213
Attachments: 1 described; binary payloads are missing from this source WARC

I did a very rough calculation and got an angular diameter of about 20". This is twice the apparent diameter of Venus at superior conjunction (full phase but farthest from earth). So, the balloon's angular diameter was on the order of the Venusian disk. This makes sense because what I saw in the binoculars was a whitish luminous disk. It didn't really shine like a star, and it was extremely difficult to make out with the naked eye. I watched it long enough to note it's movement in the right direction to be TV02H (or ET). It was at that point I got excited I rushed back to the house to "share" and lost track of it. I suppose it could have been an on coming aircraft, but I don't like to think so :)

Mike, W7MJR

-----Original Message-----
From: Mike Rogers [mailto:mrogers@...]
Sent: Sunday, November 24, 2002 2:27 PM
To: 'tvnsp@yahoogroups.com'
Subject: RE: [tvnsp] TV02H sighting SE Boise

Yes, I was surprise to see it and to make out it was a balloon. The position of the sun relative to me and the balloon worked to my advantage. Just out of curiosity, what is the approximate diameter of the balloon near 35,000 ft? I'd like to calculate the apparent diameter.

Are these balloons all made the same material (latex?) and light in color with fairly good reflectivity? And does the shape change much as it expands --- say from oblong to round --- or does it maintain some basic shape throughout the ascent?

I look forward to the next flight (probably next year?).

Thanks,

Mike, W7MJR

-----Original Message-----
From: verhap@...01.k12.id.us [mailto:verhap@...]
Sent: Sunday, November 24, 2002 7:01 AM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] TV02H sighting SE Boise

> I had a brief but beautiful view of TV02H through binoculars due west of my SE Boise location. TV02H was at about 35K ft and 30 mile range and had just come over the low lying morning haze. I lost track of it after I raced back to the house excited to tell my girlfriend about the sighting ---
'should have at least given a quick report on "24" since I was carrying my ht.

I've seen balloons at 100,000 feet, but we were very near to
beneath them.

Congrats,
Paul

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5214. More ATV...

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-25 01:05:04 UTC
From: Mike Rogers
Topic: 5214 Message: 5214
Attachments: 1 described; binary payloads are missing from this source WARC

I was poking around on the KNSP web site looking for ATV flight information and ran across this spectacular video footage of the Flight 98B balloon burst (with sound) at 98,400 feet. Anyone who hasn't seen this video needs to now (Quicktime movie): http://www.ksu.edu/humec/knsp/images/98b.mov .

I noticed one KNSP flight (97C) with ATV which suffered antenna damage at launch. However, there's a number of great video recordings and SSTV images from many of the KNSP flights. Were there any other ATV flights besides 97C?

Didn't Francis have a 23 or 13 cm antenna? It seems you would want to use 70 cm for maximum range and signal strength (@ 1-2W) and use one or two strategically placed ground stations with preamps and maybe high gain Yagis or even phased arrays, e.g. two phased 10-11 element beams with a good GaAs preamp mounted to a heavy-duty tripod? (I have no ATV experience, but I have a feeling this might be changing.)

Is there an ATV community here in the Treasure Valley? I haven't heard of any local ATV repeaters (there's one on Mt. Harrison) although I'm new to amateur radio and haven't made many contacts. Also, would you want the audio transmission along with the video, i.e. is it worth the extra circuitry and weight?

Maybe someone with a local 70 cm EME system might be interested in being an ATV ground station too? Broadcasting the live signal on the amateur band and on the internet would make ATV more engaging to the spectators and crew alike. I can't think of any scientific benefit of ATV aside from the technical challenge. You'd always want to tape the video anyway.

Mike, W7MJR

-----Original Message-----
From: verhap@... [mailto:verhap@...01.k12.id.us]
Sent: Friday, November 22, 2002 12:26 AM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] Re: VOI VP's Email

> Have you transmitted live ATV on any of your flights before? I
> understand TVNSP captures still photos and occasionally records
> video. Live ATV would be interesting.

I've send ATV on my KNSP flights. With a one watt signal and a
small yagi on the ground, the quality of the signal was not great.
That's why I went to camcorders.

> Francis (W7HDI) presented his video camera and microwave transmitter
> at
> the September VOI meeting. I was thinking at the time, "Gee, I wonder
> if TVNSP has transmitted live video during flight." Might this be the

> video system Paul's referring to?

Francis has a dish antenna for the ground station. With that extra
gain, ATV might be more feasible.

> I spoke briefly with John (K7JPS) about ATV at the last VOI meeting,
> and this sounds like something you might consider for a future
> launch? Does it pose any major technical difficulties?

I don't know if there will be challenges. But the way to find out is to
launch more balloons!

Paul

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5215. Re: [tvnsp] TV02H sighting SE Boise

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-25 01:08:54 UTC
From: Jeff Melanson
Topic: 5208 Message: 5215

Mike,

I can't be sure what the diameter was at 35,000 ft but the projected burst diameter is approximately 31 feet and the expected altitude was 100,000 ft. On the ground it is about 8 feet in diameter.

These numbers are a rough guess using Hank Riley's Lift Win Program. We used a Kaysam 1500 gram balloon. Hank's program does not yet include that balloon but does have a Kaymont 1500 gram balloon. Our payload was about 12.5 pounds and the free lift was about 3.5 pounds. We expected to be closer to 100,000 feet but it burst at about 85,000 feet. Not sure why. These things are not an exact science.

Jeff
KD7INN
Mike Rogers wrote:
>
> I did a very rough calculation and got an angular diameter
> of about 20". This is twice the apparent diameter of
> Venus at superior conjunction (full phase but farthest
> from earth). So, the balloon's angular diameter was on
> the order of the Venusian disk. This makes sense because
> what I saw in the binoculars was a whitish luminous disk.
> It didn't really shine like a star, and it was extremely
> difficult to make out with the naked eye. I watched it
> long enough to note it's movement in the right direction
> to be TV02H (or ET). It was at that point I got excited I
> rushed back to the house to "share" and lost track of it.
> I suppose it could have been an on coming aircraft, but I
> don't like to think so :)
>
> Mike, W7MJR
>
> -----Original Message-----
> From: Mike Rogers [mailto:mrogers@...]
> Sent: Sunday, November 24, 2002 2:27 PM
> To: 'tvnsp@yahoogroups.com'
> Subject: RE: [tvnsp] TV02H sighting SE Boise
>
> Yes, I was surprise to see it and to make out it was a
> balloon. The position of the sun relative to me and the
> balloon worked to my advantage. Just out of curiosity,
> what is the approximate diameter of the balloon near
> 35,000 ft? I'd like to calculate the apparent

> diameter.
>
> Are these balloons all made the same material (latex?) and
> light in color with fairly good reflectivity? And does
> the shape change much as it expands --- say from oblong to
> round --- or does it maintain some basic shape throughout
> the ascent?
>
> I look forward to the next flight (probably next year?).
>
> Thanks,
>
> Mike, W7MJR
>
> -----Original Message-----
> From: verhap@...
> [mailto:verhap@...]
> Sent: Sunday, November 24, 2002 7:01 AM
> To: tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] TV02H sighting SE Boise
>
> > I had a brief but beautiful view of TV02H through
> binoculars due west of my SE Boise location. TV02H was at
> about 35K ft and 30 mile range and had just come over the
> low lying morning haze. I lost track of it after I raced
> back to the house excited to tell my girlfriend about the
> sighting ---
> 'should have at least given a quick report on "24" since I
> was carrying my ht.
>
> I've seen balloons at 100,000 feet, but we were very near
> to
> beneath them.
>
> Congrats,
> Paul
>
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>
> Part 1.2 Type: application/ms-tnef
> Encoding: base64

5216. RE: [tvnsp] TV02H sighting SE Boise

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-25 01:19:21 UTC
From: Mike Rogers
Topic: 5208 Message: 5216
Attachments: 1 described; binary payloads are missing from this source WARC

Thanks Jeff. I bet these "unknowns" help keep it interesting! I chose a 15 foot diameter and 30 mile line-of-sight for my calculation.
Mike - W7MJR

-----Original Message-----
From: Jeff Melanson [mailto:kd7inn@...]
Sent: Sunday, November 24, 2002 6:09 PM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] TV02H sighting SE Boise

Mike,

I can't be sure what the diameter was at 35,000 ft but the projected burst diameter is approximately 31 feet and the expected altitude was 100,000 ft. On the ground it is about 8 feet in diameter.

These numbers are a rough guess using Hank Riley's Lift Win Program. We used a Kaysam 1500 gram balloon. Hank's program does not yet include that balloon but does have a Kaymont 1500 gram balloon. Our payload was about 12.5 pounds and the free lift was about 3.5 pounds. We expected to be closer to 100,000 feet but it burst at about 85,000 feet. Not sure why. These things are not an exact science.

Jeff
KD7INN
Mike Rogers wrote:
>
> I did a very rough calculation and got an angular diameter
> of about 20". This is twice the apparent diameter of
> Venus at superior conjunction (full phase but farthest
> from earth). So, the balloon's angular diameter was on
> the order of the Venusian disk. This makes sense because
> what I saw in the binoculars was a whitish luminous disk.
> It didn't really shine like a star, and it was extremely
> difficult to make out with the naked eye. I watched it
> long enough to note it's movement in the right direction
> to be TV02H (or ET). It was at that point I got excited I
> rushed back to the house to "share" and lost track of it.
> I suppose it could have been an on coming aircraft, but I
> don't like to think so :)
>
> Mike, W7MJR
>

> -----Original Message-----
> From: Mike Rogers [mailto:mrogers@...]
> Sent: Sunday, November 24, 2002 2:27 PM
> To: 'tvnsp@yahoogroups.com'
> Subject: RE: [tvnsp] TV02H sighting SE Boise
>
> Yes, I was surprise to see it and to make out it was a
> balloon. The position of the sun relative to me and the
> balloon worked to my advantage. Just out of curiosity,
> what is the approximate diameter of the balloon near
> 35,000 ft? I'd like to calculate the apparent
> diameter.
>
> Are these balloons all made the same material (latex?) and
> light in color with fairly good reflectivity? And does
> the shape change much as it expands --- say from oblong to
> round --- or does it maintain some basic shape throughout
> the ascent?
>
> I look forward to the next flight (probably next year?).
>
> Thanks,
>
> Mike, W7MJR
>
> -----Original Message-----
> From: verhap@occ1.sd01.k12.id.us
> [mailto:verhap@...]
> Sent: Sunday, November 24, 2002 7:01 AM
> To: tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] TV02H sighting SE Boise
>
> > I had a brief but beautiful view of TV02H through
> binoculars due west of my SE Boise location. TV02H was at
> about 35K ft and 30 mile range and had just come over the
> low lying morning haze. I lost track of it after I raced
> back to the house excited to tell my girlfriend about the
> sighting ---
> 'should have at least given a quick report on "24" since I
> was carrying my ht.
>
> I've seen balloons at 100,000 feet, but we were very near
> to
> beneath them.
>
> Congrats,
> Paul
>
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> Part 1.2 Type: application/ms-tnef
> Encoding: base64

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5217. Re: [tvnsp] More ATV...

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-25 01:36:29 UTC
From: Jeff Melanson
Topic: 5214 Message: 5217

Mike,

Our group is lead by Paul Verhage who was the project manager for KNSP. Those capsule's you see on the home page are Paul's design and are the same design we use now (with some exceptions).

http://www.ksu.edu/humec/knsp/

Paul can answer your questions about those ATV flights. Unfortunately he only has access to the internet when he's at work.

It sounds like you have a strong interest in ATV and possibly combining it with ballooning. Perhaps you should join our adventure. If you build an ATV capsule we'll fly it. With the help you would get from our group it wouldn't be to difficult.

Paul has experience flying ATV when he was with KNSP but we have not yet tried that here. We fly picture camera's and a camcorder. We are not the first to fly a camcorder but are the first to get a couple of complete video's from lift off to landing. If you would like to see the video's they are available.

Since you are a member of VOI I was assume you know that TVNSP is a special interest group of VOI. We would like to see more people participate if your interested.

Jeff
KD7INN

Mike Rogers wrote:
>
> I was poking around on the KNSP web site looking for ATV
> flight information and ran across this spectacular video
> footage of the Flight 98B balloon burst (with sound) at
> 98,400 feet. Anyone who hasn't seen this video needs to
> now (Quicktime movie):
> http://www.ksu.edu/humec/knsp/images/98b.mov .
>
> I noticed one KNSP flight (97C) with ATV which suffered
> antenna damage at launch. However, there's a number of
> great video recordings and SSTV images from many of the
> KNSP flights. Were there any other ATV flights besides
> 97C?

>
> Didn't Francis have a 23 or 13 cm antenna? It seems you
> would want to use 70 cm for maximum range and signal
> strength (@ 1-2W) and use one or two strategically placed
> ground stations with preamps and maybe high gain Yagis or
> even phased arrays, e.g. two phased 10-11 element beams
> with a good GaAs preamp mounted to a heavy-duty tripod?
> (I have no ATV experience, but I have a feeling this might
> be changing.)
>
> Is there an ATV community here in the Treasure Valley? I
> haven't heard of any local ATV repeaters (there's one on
> Mt. Harrison) although I'm new to amateur radio and
> haven't made many contacts. Also, would you want the
> audio transmission along with the video, i.e. is it worth
> the extra circuitry and weight?
>
> Maybe someone with a local 70 cm EME system might be
> interested in being an ATV ground station too?
> Broadcasting the live signal on the amateur band and on
> the internet would make ATV more engaging to the
> spectators and crew alike. I can't think of any
> scientific benefit of ATV aside from the technical
> challenge. You'd always want to tape the video anyway.
>
> Mike, W7MJR
>
>
>
> -----Original Message-----
> From: verhap@...
> [mailto:verhap@...]
> Sent: Friday, November 22, 2002 12:26 AM
> To: tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] Re: VOI VP's Email
>
> > Have you transmitted live ATV on any of your flights
> before? I
> > understand TVNSP captures still photos and occasionally
> records
> > video. Live ATV would be interesting.
>
> I've send ATV on my KNSP flights. With a one watt signal
> and a
> small yagi on the ground, the quality of the signal was
> not great.
> That's why I went to camcorders.
>
> > Francis (W7HDI) presented his video camera and microwave
> transmitter

> > at
> > the September VOI meeting. I was thinking at the time,
> "Gee, I wonder
> > if TVNSP has transmitted live video during flight."
> Might this be the
> > video system Paul's referring to?
>
> Francis has a dish antenna for the ground station. With
> that extra
> gain, ATV might be more feasible.
>
> > I spoke briefly with John (K7JPS) about ATV at the last
> VOI meeting,
> > and this sounds like something you might consider for a
> future
> > launch? Does it pose any major technical difficulties?
>
> I don't know if there will be challenges. But the way to
> find out is to
> launch more balloons!
>
> Paul
>
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> Encoding: base64

5218. Re: [tvnsp] TV02H

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-25 04:55:03 UTC
From: Jeff Melanson
Topic: 5195 Message: 5218

There not posted yet but our website is:

http://www.tvnsp.org/

Jeff
KD7INN

Harry M wrote:
>
> Are the pics posted?
> If so where?
>
> Harry
>
> > Picture 20 was taken at 82,701 feet and picture 21 was
> taken at
> > 2,853 feet....
>
> To unsubscribe from this group, send an email to:
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> of Service.

5219. RE: [tvnsp] TV02H sighting SE Boise

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-25 14:30:49 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5208 Message: 5219

> Yes, I was surprise to see it and to make out it was a balloon. The position of the sun relative to me and the balloon worked to my advantage. Just out of curiosity, what is the approximate diameter of the balloon near 35,000 ft? I'd like to calculate the apparent diameter.

At 35,000 feet tne air pressure is approximately 1/4 of surface pressure (sea level). Therefore the volume has increased by a factor of 4. The diameter is the cube root of that times 7 feet, which was the initial diameter (roughly). That gives me 1.5 times 7, or about 10 feet across.

> Are these balloons all made the same material (latex?) and light in color with fairly good reflectivity? And does the shape change much as it expands --- say from oblong to round --- or does it maintain some basic shape throughout the ascent?

They're latex and they are off-white, almost a cream color. The balloon may not stretch as much at the base where it's constrained. This may account for why they tend to burst at the top.

Paul

5220. Re: [tvnsp] More ATV...

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-25 14:39:14 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5214 Message: 5220

> I was poking around on the KNSP web site looking for ATV flight information
and ran across this spectacular video footage of the Flight 98B balloon burst (with sound)
at 98,400 feet. Anyone who hasn't seen this video needs to now (Quicktime movie):
http://www.ksu.edu/humec/knsp/images/98b.mov .

The video was from a camcorder. Bring a video tape to the
Christmas party can we can make a copy for you.

Jeff, can you bring your TV/VCR? I'll bring mine and we can dup
tapes for anyone missing one.

W7MJR, will you attend our Christmas party? It's on the 14th. At
it we'll mod some Alinco DJ-S11s for near space.

> I noticed one KNSP flight (97C) with ATV which suffered antenna damage at launch.
However, there's a number of great video recordings and SSTV images from many of the KNSP
flights.
Were there any other ATV flights besides 97C?

The first three of 1997 were ATV flights. In 1998 we started
sending SSTV with the Kenwood VC-H1.

> Didn't Francis have a 23 or 13 cm antenna? It seems you would want to use 70 cm for
maximum range
and signal strength (@ 1-2W) and use one or two strategically placed ground
stations with preamps and maybe high gain Yagis or even phased arrays, e.g. two phased
10-11 element beams
with a good GaAs preamp mounted to a heavy-duty tripod? (I have no ATV experience, but I
have a feeling this might be changing.)

I'm hoping to test 2.4 GHz frequencies. They don't require a
license and with a good dish on the ground, we may be good
reception at near space distances.

> Is there an ATV community here in the Treasure Valley? I haven't heard of any local ATV
repeaters
(there's one on Mt. Harrison) although I'm new to amateur radio and haven't made many
contacts.
Also, would you want the audio transmission along with the video, i.e. is it worth the
extra circuitry and weight?

None that I know of. I have ATV for near space, but to use it, we
need a ATV ready ground station (another job for mission control?)

Paul

5221. Re: [tvnsp] More ATV...

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-25 14:43:05 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5214 Message: 5221

> We are not the first to fly a camcorder but are
> the first to get a couple of complete video's from lift off
> to landing. If you would like to see the video's they are
> available.

We're not the first, but we are one of the only and as Jeff said, no
one has video from lift off to recovery like we do.

Paul

5222. TV02H Reports

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-25 15:09:10 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5222 Message: 5222
Attachments: 4 described; binary payloads are missing from this source WARC

I want to thank outr Mission Control for this flight. There was one point at which we were on a road without a street sign. MC informed us we were on the right road at a time we needed to know that.

I'd also like to thank KNSP for their interest in the flight. I liked reading the KNSP commentary. It's a shame we can't get you on our repeater during the flight. Perhaps we should use HF on chase.

I'm attaching two spreadsheets from TV02H. The batteries one is the temperatures inside the -10 capsule according to the thermochrons. The top line is temperatures inside the battery loft or compartment. The bottom line is the temps inside a battery box. The battery box temperature should be warmer because of it's extra insulation. That was Jeff's t-chron. Jeff, didn't you say you had a problem with yout T-chron being accurate?

The other spreadsheet is TV02H. Notice on the descent speed graph how the initial change in descent speed is smooth, but once the capsule drops below 38,000 feet, there's a lot of variation in descent speed. Perhaps there as more rocking at low altitudes.

The interior temperature of the main capsule never dropped below 18 degrees and that only occurred for a few minutes during initial descent. We may be able to get away with alkalines on future flights.

The main battery voltage followed the drop in temperatures. The knee in the ascent is not noticable on this flight. But look along the edge of the graph and it looks like a faint knee occured at 40 minutes into the flight.

There's still more work to do ont he graphs, so enjoy.

Paul

5223. Re: [tvnsp] TV02H

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-25 15:14:08 UTC
From: Mike Garske
Topic: 5195 Message: 5223

Harry, the two pictures taken from the balloon have been uploaded to the site, check them out!

Mike KC7DPD
www.tvnsp.org
----- Original Message -----
From: "Harry M" <harrymue@...>
To: <tvnsp@yahoogroups.com>
Sent: Sunday, November 24, 2002 4:12 PM
Subject: Re: [tvnsp] TV02H

Are the pics posted?
If so where?

Harry

> Picture 20 was taken at 82,701 feet and picture 21 was taken at
> 2,853 feet....

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5224. Re: [tvnsp] TV02H Reports

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-25 17:31:05 UTC
From: bherrman@spro.net
Topic: 5222 Message: 5224

> I want to thank outr Mission Control for this flight. There was
> one point at which we were on a road without a street sign. MC
> informed us we were on the right road at a time we needed to know
> that.

I'm glad Tony N7MTZ was able to step in and help you out there. I felt bad having to cut out when I did. At least we were able to get some predicitions out to you. (I was able to listen to the audio end of most of the chase BTW.)

I think this points out the reason why we need to run trackers in the chase vehicles not just track the balloon. As Bill B. pointed out we need to include that information in the FRR and keep those tracks as well so that we can study how to improve our recovery efforts.

Bill

p.s. Anybody ready to comment on the recovery? So far I've only seen Dan's message that the capsules were recovered.

5225. Re: [tvnsp] TV02H

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-25 17:29:47 UTC
From: Doug Eubanks
Topic: 5195 Message: 5225

Mike,

Now right out of the box I have to admit I am NOT an expert, and I DON'T have access to all the things on the capsules. BUT, for there being almost 80,000 feet difference in the height the pictures were taken, the resolution, haze, etc. is virtually identical when I look at them! From 2853 feet the river should be considerably wider than just a line! (I compared this with photos taken from NSTAR 02-F which had many low altitude shots) So do we have an expert who can enlighten us?

Doug, KAØO
----- Original Message -----
From: Mike Garske
To: tvnsp@yahoogroups.com
Sent: Monday, November 25, 2002 9:14 AM
Subject: Re: [tvnsp] TV02H

Harry, the two pictures taken from the balloon have been uploaded to the
site, check them out!

Mike KC7DPD
www.tvnsp.org
----- Original Message -----
From: "Harry M" <harrymue@...>
To: <tvnsp@...m>
Sent: Sunday, November 24, 2002 4:12 PM
Subject: Re: [tvnsp] TV02H

Are the pics posted?
If so where?

Harry

> Picture 20 was taken at 82,701 feet and picture 21 was taken at
> 2,853 feet....

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5226. Re: [tvnsp] TV02H Reports

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-25 17:35:35 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5222 Message: 5226

> p.s. Anybody ready to comment on the recovery? So far I've only seen
> Dan's message that the capsules were recovered.

We could see and hear the capsules on the side of the butte, from
about 1/2 mile away. It was a very pleasant stoll to the capsules.
One boom broke on landing, but it was at the epoxy joint, so it's
easy to fix.

I still need to unload the capsule and determine why some
experiments failed.

Paul

5227. Re: [tvnsp] TV02H

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-25 17:48:04 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5195 Message: 5227

> Now right out of the box I have to admit I am NOT an expert, and I DON'T have access to all the things on the capsules. BUT, for there being almost 80,000 feet difference in the height the pictures were taken, the resolution, haze, etc. is virtually identical when I look at them! From
2853 feet the river should be considerably wider than just a line! (I compared this with photos taken from NSTAR 02-F which had many low altitude shots) So do we have an expert who can enlighten us?

I just reported the altitude according to the flight computer. John
and I will try locating the area photographed and then get the
altitude.

Paul

5228. Ten Things Not To Photograph

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-25 19:43:30 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5228 Message: 5228

I need a list of ten things that it is recommended you not
photograph from near space. I'm looking for humorous items for
my book (I have four so far). I'll give credit for any items I put in the
book.

If you have something funny to add, please email me.

Paul

PS, the book has 378 pages as of today.

5229. Re: [tvnsp] TV02H

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-25 19:45:49 UTC
From: Tim Rynearson
Topic: 5195 Message: 5229
Attachments: 1 described; binary payloads are missing from this source WARC

Paul,
The 85,150 altitude was what was reported by Winaprs. Not sure what conversion factor it uses.

Tim

-------Original Message-------

From: tvnsp@yahoogroups.com
Date: Sunday, November 24, 2002 01:28:06 PM
To: tvnsp@yahoogroups.com
Subject: [tvnsp] TV02H

From the -10 capsule, I have a max altitude of 85,062 feet and from the -11 capsule I have an altitude of 85,129 feet. I think Tim is looking at the same packet, but I used a conversion factor of 3.28.

Picture 20 was taken at 82,701 feet and picture 21 was taken at 2,853 feet. The reason one picture was taken during the ascent is because so many photos were taken before launch. I have the flight computer calculate when to take a photograph. with eight photos before launch, the ninth is calculted to take place at 82,000 feet. It looks like the reason so many photos were taken before launch is because my preflight routine didn't set a variable to teh correct value before returning to the flight routine.

The one photo during descent is still a puzzle. Photos are programmed to be taken once the capsule drops below 6,000 feet. It may be that the capsule descented fast enough that it missed taking a photo higher than 2,800 feet.

The temperature data was blank. I need to look at the experiment and make sure it wasn't unplugged before launch. The main power voltage dropped as the temperature did and came back up again as the capsule interior warmed back up.

Paul

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.

5230. Re: [tvnsp] Ten Things Not To Photograph

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-25 19:54:05 UTC
From: Mark Conner
Topic: 5228 Message: 5230

If this were to include videotaping, and the entire flight profile:

10) Your own crotch as you're handling the capsules just before launch.

----- Original Message -----
From: verhap@...
To: tvnsp@yahoogroups.com
Sent: Monday, November 25, 2002 13:43
Subject: [tvnsp] Ten Things Not To Photograph

I need a list of ten things that it is recommended you not
photograph from near space. I'm looking for humorous items for
my book (I have four so far). I'll give credit for any items I put in the
book.

If you have something funny to add, please email me.

Paul

5231. Re: [tvnsp] Ten Things Not To Photograph

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-25 19:56:51 UTC
From: Mark Conner
Topic: 5228 Message: 5231

9) The left engine intake of a Boeing 767.
----- Original Message -----
From: Mark Conner
To: tvnsp@yahoogroups.com
Sent: Monday, November 25, 2002 13:54
Subject: Re: [tvnsp] Ten Things Not To Photograph

If this were to include videotaping, and the entire flight profile:

10) Your own crotch as you're handling the capsules just before launch.

----- Original Message -----
From: verhap@...
To: tvnsp@yahoogroups.com
Sent: Monday, November 25, 2002 13:43
Subject: [tvnsp] Ten Things Not To Photograph

I need a list of ten things that it is recommended you not
photograph from near space. I'm looking for humorous items for
my book (I have four so far). I'll give credit for any items I put in the
book.

If you have something funny to add, please email me.

Paul

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5232. Re: [tvnsp] Ten Things Not To Photograph

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-25 20:44:03 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5228 Message: 5232

> If this were to include videotaping, and the entire flight profile:
>
> 10) Your own crotch as you're handling the capsules just before launch.

I hate to think of how many photographs I have of mine while
waiting for the capsule to take off!

I think I'll add a photograph to this one.

Paul

5233. O2H photo1 id

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-25 21:26:55 UTC
From: Hank Riley
Topic: 5233 Message: 5233
Attachments: 1 described; binary payloads are missing from this source WARC

The first photo that was supposed to be from 85,000 feet
is actually from much earlier in the ascent. I've indicated
where the balloon crossed over the Snake at Walter's Ferry.

At that point the balloon was about 44,000 feet high. That
puts the altiude for this picture somewhere between 40,000
and 50,000 feet.

The second photo might be a little more difficult to
conclusively identify.

Hank

____
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http://join.msn.com/?page=features/virus

5234. Re: O2H photo1 id

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-25 21:40:22 UTC
From: Hank
Topic: 5233 Message: 5234

The white speckles in the aerial photo segment of
that composite are due to a quirk of gif files. They
didn't show up on my computer, but they may on
yours and they definitely will if viewed by means
of the yahoogroups website.

I'll fix that later and upload an unspotted version if
I can remember the setting that needs to be changed.

Hank

5235. Re: [tvnsp] O2H photo1 id

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-25 21:56:27 UTC
From: n9xtn@cox.net
Topic: 5233 Message: 5235
Attachments: 2 described; binary payloads are missing from this source WARC

[Attachment content not displayed]

5236. Re: [tvnsp] O2H photo1 id

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-25 22:49:19 UTC
From: Mike Garske
Topic: 5233 Message: 5236

I tend to agree with you Doug on the altitudes of the pictures, I was just labeling them according to the numbers I was given, if we can get a better idea what altitude these pictures were taken I will be sure to correct it......I also agree with the location of the picture.....good work!

Mike KC7DPD
www.tvnsp.org

5237. Re: [tvnsp] Ten Things Not To Photograph

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-25 23:03:18 UTC
From: John Knapp
Topic: 5228 Message: 5237

Close up of a power substation on descent.....

JohnK
--- verhap@... wrote:
> > If this were to include videotaping, and the
> entire flight profile:
> >
> > 10) Your own crotch as you're handling the
> capsules just before launch.
>
> I hate to think of how many photographs I have of
> mine while
> waiting for the capsule to take off!
>
> I think I'll add a photograph to this one.
>
> Paul
>

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5238. Re: [tvnsp] More ATV...

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-26 01:13:05 UTC
From: Jeff Melanson
Topic: 5214 Message: 5238

verhap@... wrote:

>
> Jeff, can you bring your TV/VCR? I'll bring mine and we
> can dup
> tapes for anyone missing one.
>

Yes.

Jeff
KD7INN

5239. Re: [tvnsp] TV02H Reports

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-26 01:10:40 UTC
From: Jeff Melanson
Topic: 5222 Message: 5239

Paul,

It's been a while since I worked with the thermochrons. As I remember it I noticed the two thermochrons did not agree but I don't know which one was wrong. They may have both been in error. This needed further checking.

Jeff
KD7INN

verhap@... wrote:
>

>
> I'm attaching two spreadsheets from TV02H. The batteries
> one is
> the temperatures inside the -10 capsule according to the
> thermochrons. The top line is temperatures inside the
> battery loft
> or compartment. The bottom line is the temps inside a
> battery
> box. The battery box temperature should be warmer because
> of
> it's extra insulation. That was Jeff's t-chron. Jeff,
> didn't you say
> you had a problem with yout T-chron being accurate?
>

5240. Re: [tvnsp] FRR

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-26 01:31:53 UTC
From: Jeff Melanson
Topic: 2345 Message: 5240

Justin,

Did the cd's help with your problem?

Jeff
KD7INN

Justin FORMOLO wrote:
>
> I was wondering if someone can bring the factory OEM cd's
> of Street Atlas 8
> or 9 so I may reload my laptop at tonights FRR. For some
> reason, my maps
> lock up while I use it. I don't know if this is an XP vs.
> Win 98 conflict
> but I'm hoping a full reload can cure this problem.
> Thanks
>
> Justin
>
> _____
> The new MSN 8: smart spam protection and 2 months FREE*
> http://join.msn.com/?page=features/junkmail
>
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5241. RE: [tvnsp] More ATV...

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-26 02:27:29 UTC
From: Mike Rogers
Topic: 5214 Message: 5241
Attachments: 1 described; binary payloads are missing from this source WARC

Sure, I'll grab a tape. Where & what time? Can I bring a friend...food/drink?

Mike

-----Original Message-----
From: verhap@... [mailto:verhap@...]
Sent: Monday, November 25, 2002 12:39 AM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] More ATV...

> I was poking around on the KNSP web site looking for ATV flight information
and ran across this spectacular video footage of the Flight 98B balloon burst (with sound)
at 98,400 feet. Anyone who hasn't seen this video needs to now (Quicktime movie):
http://www.ksu.edu/humec/knsp/images/98b.mov .

The video was from a camcorder. Bring a video tape to the
Christmas party can we can make a copy for you.

Jeff, can you bring your TV/VCR? I'll bring mine and we can dup
tapes for anyone missing one.

W7MJR, will you attend our Christmas party? It's on the 14th. At
it we'll mod some Alinco DJ-S11s for near space.

...

5242. Re: [tvnsp] TV02H

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-26 02:34:22 UTC
From: Harry M
Topic: 5195 Message: 5242

Thanks Mike!
They look good.
The second picture looks to be from higher than 2800 ft.

Harry

> Harry, the two pictures taken from the balloon have been uploaded to the
> site, check them out!
>
> Mike KC7DPD

5243. RE: [tvnsp] More ATV... Christmas Party

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-26 03:29:54 UTC
From: John Knapp
Topic: 5214 Message: 5243

Contact my wife at

debdk@...

and let her know how many. She will tell you what to
bring, when, where, etc.

JohnK
KD7HGS
--- Mike Rogers <mrogers@...> wrote:
> Sure, I'll grab a tape. Where & what time? Can I
> bring a friend...food/drink?
>
> Mike
>

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5244. Photo 1 reposted without speckles

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-26 03:47:07 UTC
From: Hank Riley
Topic: 5244 Message: 5244
Attachments: 1 described; binary payloads are missing from this source WARC

This should be better.

_____
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http://join.msn.com/?page=features/junkmail

5245. Photos 1 and 2 measured and scaled

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-26 04:05:15 UTC
From: Hank Riley
Topic: 5245 Message: 5245
Attachments: 1 described; binary payloads are missing from this source WARC

Photo 1 allows for a pretty accurate measurement since those
Snake River Islands make distinct reference points.

Mark did find the correct kink in the river for photo 2.

On photo 2 I come up with a slightly smaller measurement
than he did for the span of the river in frame, however
photo 2 is still conclusively from a higher altitude than
photo 1.

The vertical scales are based on taking a simple ratio for
the measured spans, but this is only an approximation since
the first picture for sure and maybe the second one look
not straight down but slightly out towards the horizon.

Since the pictures are not pointing straight down it's not
possible to say when each was taken, but one can get a
pretty good idea. Will post about that tomorrow.

The file size on this combined image is a little on the
large size because it's a gif which handles contrasty
lines and text without distortion.

Hank

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5246. Re: [tvnsp] O2H photo1 id

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-26 14:05:02 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5233 Message: 5246

> The attached image shows a sharp bend in the Snake River (arrow) that is near the Owyhee/Ada/Canyon county boundaries. See http://www.topozone.com/map.asp?z=11&n=4793447&e=545429&size=l for a topo map.
>
> I would have to agree with Doug that the 2nd photo can't be 2800 ft AGL or MSL. The distance from where the Snake River enters the photo on the left and exits at the bottom (or other way round) is about 12 miles. Photo #1 is about the same scale.

I had the flight computer record when it took the picture. It says it took 8 pictures on the ground and 2 in flight. I have 8 pictures taken on the ground and 2 taken in flight. I agree that the image scales look wrong, but find it odd that the flight computer records the first 8 pictures correctly.

I'll try lining up the flight computer's log to the APRS log.

Paul

5247. Christmas Party

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-26 14:10:35 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5214 Message: 5247

> Sure, I'll grab a tape. Where & what time? Can I bring a friend...food/drink?
>
> Mike

Deb is assigning what dishes people are to bring. The party's on
the 14th. If you have an Alinco DJ-S11 to modify for near space
use, bring it.

Paul

5248. Re: Video on balloons

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-26 14:12:50 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5248 Message: 5248

> Paul,
>
> Did you get a chance to look at your sources?
> I will meet with my gallery by the end of this week. Could you send me one
> of your video tapes until then? Ideally one with clouds so I can intercut. I
> can give you a fedex number to ship it with.

Francis is my point of contact and he hasn't answered his email.
I'll see if I can get that copy this weekend.

Jeff, Nin would like a copy of video tape taken on a flight. Can I
arrange to bring my TV/VCR this weekend and get a dup of some
video?

Paul

5249. RE: [tvnsp] Photos 1 and 2 measured and scaled

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-26 17:08:01 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 5245 Message: 5249

One way to get an approximate height would be to take a known island or cut across the bend in the picture, get that distance off a topo map, then do a little trig. Since the camera doesn't point straight down, the result should be considered only approximate, of course. Or even use navigation's Distance Off formulae to work out the probable height.

Bill B.

5250. Re: [tvnsp] Photos 1 and 2 measured and scaled

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-26 18:20:06 UTC
From: Mark Conner
Topic: 5245 Message: 5250

We'd have to know some details about the camera's field of view. We know the island is yay big in the photo, but what angular distance is that? I did a quick check on the Canon USA web site and couldn't find anything (TVNSP is using an Elph LT, right?). If I can ever find the manual for mine, I'll look in there.

73 de Mark N9XTN
----- Original Message -----
From: BLOHM,BILL (HP-Boise,ex1)
To: 'tvnsp@yahoogroups.com'
Sent: Tuesday, November 26, 2002 11:08
Subject: RE: [tvnsp] Photos 1 and 2 measured and scaled

One way to get an approximate height would be to take a known island or cut across the bend in the picture, get that distance off a topo map, then do a little trig. Since the camera doesn't point straight down, the result should be considered only approximate, of course. Or even use navigation's Distance Off formulae to work out the probable height.

Bill B.

5251. Re: Photos 1 and 2 measured and scaled

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-26 20:23:40 UTC
From: Hank
Topic: 5245 Message: 5251

> We'd have to know some details about the camera's field
> of view.

Definitely.

I was trying to infer as much as possible without knowing
that information, which would of course be required for a
complete solution.

If just one of the pictures were known to be shooting straight
down (neither was), that would establish one altitude
(by GPS track info) and then the other could be found knowing
the ratio of scales of the two photographs.

Without knowing even one altitude, it's possible to determine
two small ranges of altitudes from which each of the pictures
must have been taken. That was the main purpose of scaling
the two pictures. Also to immediately establish whether the
second was higher or lower. It turned out to be higher.

Hank

5252. EOSS Recovery

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-26 21:52:57 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5252 Message: 5252

EOSS also had a launch recently. On their webpage you can see
what kind of terrain they recover in. Watch the split in the URL.

http://www.eoss.org/ansrecap/sixtyone_to_onehundred/recap6162c.
htm

Paul

5253. Re: [tvnsp] EOSS Recovery

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-26 22:28:24 UTC
From: John Knapp
Topic: 5252 Message: 5253

I don't know Paul, I am glad we don't have type of
terrain here in Idaho.

JohnK
--- verhap@... wrote:
> EOSS also had a launch recently. On their webpage
> you can see
> what kind of terrain they recover in. Watch the
> split in the URL.
>
>
http://www.eoss.org/ansrecap/sixtyone_to_onehundred/recap6162c.
> htm
>
> Paul
>

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5254. Re: [tvnsp] Re: Video on balloons

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-27 04:23:32 UTC
From: Jeff Melanson
Topic: 5248 Message: 5254

Paul,

Yes, I have the next 5 days off (Wed thru Sun). When do you
want to make the video? Anytime is good. We have good video
with clouds.

Jeff
KD7INN

verhap@... wrote:
>
> > Paul,
> >
> > Did you get a chance to look at your sources?
> > I will meet with my gallery by the end of this week.
> Could you send me one
> > of your video tapes until then? Ideally one with clouds
> so I can intercut. I
> > can give you a fedex number to ship it with.
>
> Francis is my point of contact and he hasn't answered his
> email.
> I'll see if I can get that copy this weekend.
>
> Jeff, Nin would like a copy of video tape taken on a
> flight. Can I
> arrange to bring my TV/VCR this weekend and get a dup of
> some
> video?
>
> Paul
>
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5255. Re: [tvnsp] Photos 1 and 2 measured and scaled

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-27 14:07:42 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5245 Message: 5255

> We'd have to know some details about the camera's field of view. We know the island is yay big in the photo, but what angular distance is that? I did a quick check on the Canon USA web site and couldn't find anything (TVNSP is using an Elph LT, right?). If I can ever find the manual for
mine, I'll look in there.

It is a Canon Elph.

Paul

5256. Re: [tvnsp] Re: Video on balloons

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-27 14:10:48 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5248 Message: 5256

I'll stop by Friday afternoon with a blank video tape. Thanks.

Paul

> Paul,
>
> Yes, I have the next 5 days off (Wed thru Sun). When do you
> want to make the video? Anytime is good. We have good video
> with clouds.
>
> Jeff
> KD7INN
>
> verhap@... wrote:
> >
> > > Paul,
> > >
> > > Did you get a chance to look at your sources?
> > > I will meet with my gallery by the end of this week.
> > Could you send me one
> > > of your video tapes until then? Ideally one with clouds
> > so I can intercut. I
> > > can give you a fedex number to ship it with.
> > >
> > Francis is my point of contact and he hasn't answered his
> > email.
> > I'll see if I can get that copy this weekend.
> > >
> > Jeff, Nin would like a copy of video tape taken on a
> > flight. Can I
> > arrange to bring my TV/VCR this weekend and get a dup of
> > some
> > video?
> > >
> > Paul
> > >
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>

5257. Re: [tvnsp] Christmas Party

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-27 14:24:46 UTC
From: Stephanie Steele
Topic: 5214 Message: 5257

Hi,

Norma & I would like to attend. Can you tell us what you would like us to bring. I could also use the time and directions to your house.

--
Stephanie

****

Friends are quiet angels who lift us to our feet when our wings have trouble remembering how to fly.

****

"They that can give up essential liberty to obtain a little temporary safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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de recta non tolerandum sunt

5258. Re: [tvnsp] Ten Things Not To Photograph

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-27 14:34:06 UTC
From: Stephanie Steele
Topic: 5228 Message: 5258

...a little dark but here it goes,

A mushroom cloud over your home town.

--
Stephanie

****

Friends are quiet angels who lift us to our feet when our wings have
trouble remembering how to fly.

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

Send and receive money safely over the Internet by using PayPal. I use
it and highly recommend it as a safe and reliable means to conduct
business. By using the link below we both will receive a $5 sign up bonus.

https://www.paypal.com/refer/pal=kc7dba%40arrl.net

****

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de recta non tolerandum sunt

5259. Re: [tvnsp] Christmas Party

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-27 15:06:16 UTC
From: John Knapp
Topic: 5214 Message: 5259

Glad that you can make it. I forwarded the email to
Deb, she is handling all of the details for the party.
She should let you know what to bring. The address is:

1740 Paradise Ln
Meridian Id.

If you want to come early to work on radio
modifications be at the house at about 2:00pm. If not,
the party starts at 5:00pm. Of course you can come
early and visit as well.

JohnK
KD7HGS

--- Stephanie Steele <stephanie@...> wrote:
>
>
> Hi,
>
> Norma & I would like to attend. Can you tell us what
> you would like us
> to bring. I could also use the time and directions
> to your house.
>
>
> --
> Stephanie
>
> ******************************
>
> Friends are quiet angels who lift us to our feet
> when our wings have
> trouble remembering how to fly.
>
> ******************************
>
> "They that can give up essential liberty to obtain a
> little temporary
> safety deserve neither liberty nor safety."
>
> Benjamin Franklin (1706-1790), Letter to Josiah
> Quincy, Sept. 11, 1773.
>
> "Those who desire to give up freedom in order to
> gain security will not

> have, nor do they deserve, either one."
>
> President Thomas Jefferson.
> 1743-1826
>
> ******************************
>
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>
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>
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>
>
> de recta non tolerandum sunt
>
>
>
>

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5260. Records

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-28 18:29:06 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5260 Message: 5260

I found this on a Usenet group I read....

For the FAI, new records have to 5% greater than the previous best.
http://www.fai.org/sporting_code/sc8.asp

Should that apply to use amateurs?

Paul

5261. Re: [KNSP] Records

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-28 19:03:05 UTC
From: Doug Eubanks
Topic: 5261 Message: 5261

But to what size numbers is this being applied?
Take the current record altitude for an amateur balloon as posted on Ralph's page, it is 120,522 feet. If you have to break that by 5% in order to claim a new record, you would have to exceed 126,583 feet. Over 6000 feet higher!
So, is this really fair? It puts new records out of realistic reach just because our numbers are so large to begin with!

$.02 worth.

Doug, KAØO
----- Original Message -----
From: verhap@...
To: tvnsp@egroups.com ; KNSP@yahoogroups.com
Sent: Thursday, November 28, 2002 12:29 PM
Subject: [KNSP] Records

I found this on a Usenet group I read....

For the FAI, new records have to 5% greater than the previous best.
http://www.fai.org/sporting_code/sc8.asp

Should that apply to use amateurs?

Paul

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Group URL: http://groups.yahoo.com/group/KNSP

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5262. Records

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-29 19:38:36 UTC
From: K. Mark Caviezel
Topic: 5260 Message: 5262

Yeah , those are the standards for the FAI records, presided over by the French. I submit that any amatuer group flying over 110k feet deserves honorable mention on Ralph's records list. And any group that has a flight even ten feet over the 120k flight deserves first place. Ya, ya, ya I know that the GPS is not accurate to ten feet, but who's to say that one GPS was reading high and one was reading low ? I don't see a practical way of really knowing. By the time we worry about GPS altitude inaccuarcies, we could also quibble about APRS module tracker placement on the flight string. I think a lot of your TVNSP flights have one or two boxes. EOSS and some others have multiple payloads that may be spaced out on 50' of payload string. I really don't want to see it evolve to, "Well, our module was at the bottom of the flight string, so, the altitude of the top of the balloon was XXX,XXX feet plus 50 plus 35." Lets just go with indicated GPS altitude and call it good. Anyone who knows anything about it will know that two flights that had record altitude within 100 feet or so of each other were close enough to be effectively tied.

blue skies
- KMC kc0jhq

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5263. Rancher's Address

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-29 22:35:02 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5263 Message: 5263

I need the address of the ranch whose property thecapsule landed on. I have two photographs to send him.

Paul

5264. Re: [tvnsp] Rancher's Address

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-29 23:21:07 UTC
From: Mike Garske
Topic: 5263 Message: 5264

Here it is Paul.......

PO BOX 28
GRAND VIEW ID 83624-0028

Mike KC7DPD

www.tvnsp.org
----- Original Message -----
From: <verhap@...>
To: <tvnsp@yahoogroups.com>
Sent: Friday, November 29, 2002 3:35 PM
Subject: [tvnsp] Rancher's Address

> I need the address of the ranch whose property thecapsule landed
> on. I have two photographs to send him.
>
> Paul
>
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>
>

5265. Re: [tvnsp] More ATV...

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-30 04:46:54 UTC
From: Mike Manes
Topic: 5214 Message: 5265

Hi Paul,
EOSS has managed to get ATV from launch to landing. On a recent flight, Chris KB0YRZ sucessfully taped the ATV from the field all the way down to landing, and we have ground station tape from prelaunch to LOS in descent. On EOSS-60, where the payload landed just 10 miles downrange, we got ground station video up until just a few seconds before landing (judging from the sudden transition from P5 to LOS, as the features on the ground were moving out radially in the image at an alarming rate). The Pioneer Astro camcorder on EOSS-4? did capture the whole flight, including the parachute drag, albeit thru a frost-coated lens.
73 de Mike W5VSI

verhap@... wrote:
>
> > We are not the first to fly a camcorder but are
> > the first to get a couple of complete video's from lift off
> > to landing. If you would like to see the video's they are
> > available.
>
> We're not the first, but we are one of the only and as Jeff said, no
> one has video from lift off to recovery like we do.
>
> Paul
>
> To unsubscribe from this group, send an email to:
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--
Mike Manes manes@... Tel: 303-979-4899
"Things should be made as simple as possible, but not more so." A. Einstein

5266. Re: [tvnsp] More ATV...

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-11-30 16:55:23 UTC
From: Jeff Melanson
Topic: 5214 Message: 5266

Hi Mike,

When I wrote the statement about getting video for a
complete flight I was referring to an onboard camcorder not
ATV. I didn't know anyone managed to get ATV video of a
complete flight (minus the landing). I'm interested in
knowing more about it.

Can you tell me what kind of equipment was used? What was
the altitude? Was is B&W or Color? I wonder how much the
equipment weighed?

Jeff
KD7INN

Mike Manes wrote:
>
> Hi Paul,
> EOSS has managed to get ATV from launch to landing. On a
> recent
> flight, Chris KB0YRZ sucessfully taped the ATV from the
> field all the
> way down to landing, and we have ground station tape from
> prelaunch
> to LOS in descent. On EOSS-60, where the payload landed
> just
> 10 miles downrange, we got ground station video up until
> just a
> few seconds before landing (judging from the sudden
> transition from
> P5 to LOS, as the features on the ground were moving out
> radially
> in the image at an alarming rate). The Pioneer Astro
> camcorder
> on EOSS-4? did capture the whole flight, including the
> parachute
> drag, albeit thru a frost-coated lens.
> 73 de Mike W5VSI
>
> verhap@... wrote:
> >
> > > We are not the first to fly a camcorder but are
> > > the first to get a couple of complete video's from
> lift off
> > > to landing. If you would like to see the video's they
> are

> > > available.
> >
> > We're not the first, but we are one of the only and as
> Jeff said, no
> > one has video from lift off to recovery like we do.
> >
> > Paul
> >
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5267. Re: Accelerometers

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-01 06:34:48 UTC
From: kd7inn
Topic: 4995 Message: 5267

Tony,

Did you find out anything about the free accelerometers?

Also does anyone know if the Nuts and Volts issue about accelerometers
and the BASIC Stamp has come out yet? Would it be the December issue
that has the article?

Jeff
KD7INN

--- In tvnsp@y..., "Tony Barrett" <tonybarrett@s...> wrote:
> Hey Paul,

> I think I have a lead on some free accelerometer ICs. I'll try to
> remember to look up the details and pass them along to you.

> 73,

> Tony

> From: verhap@o... [mailto:verhap@o...]
> Sent: Wednesday, November 06, 2002 8:26 AM
> To: tvnsp@y...
> Subject: [tvnsp] Accelerometers
>
> Nuts and Volts will have an article on an accelerometer application
> for the Basic Stamp next month.
>
> Paul
>
>
>
>
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ou
> pmail/S=:HM/A=1182686/rand=291805337>
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5268. Re: Accelerometers

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-02 01:10:28 UTC
From: aerobotics58
Topic: 4995 Message: 5268

Jeff -

I got a couple of ADXL202 and ADXL210 accelerometers coming to me
from Analog Devices. I'll get these to you in the next couple of days
when they arrive. There is a pretty good instructional link for using
them at
http://www.egr.msu.edu/classes/ece482/Teams/99fall/design4/web/resourc
es/accel_an.pdf

Dan

--- In tvnsp@y..., "kd7inn" <kd7inn@a...> wrote:
> Tony,
>
> Did you find out anything about the free accelerometers?
>
> Also does anyone know if the Nuts and Volts issue about
accelerometers
> and the BASIC Stamp has come out yet? Would it be the December
issue
> that has the article?
>
> Jeff
> KD7INN
>
>
> --- In tvnsp@y..., "Tony Barrett" <tonybarrett@s...> wrote:
> > Hey Paul,
>
> > I think I have a lead on some free accelerometer ICs. I'll try to
> > remember to look up the details and pass them along to you.
>
> > 73,
>
> > Tony
>
> > From: verhap@o... [mailto:verhap@o...]
> > Sent: Wednesday, November 06, 2002 8:26 AM
> > To: tvnsp@y...
> > Subject: [tvnsp] Accelerometers
> >
> > Nuts and Volts will have an article on an accelerometer
application
> > for the Basic Stamp next month.
> >
> > Paul

> >
> >
> >
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> 05
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> 083281:HM/A=1182686/R=0/*http:/adfarm.mediaplex.com/ad/ck/990-1736-
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> > 333%0d%0a>
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> >
> <http://us.adserver.yahoo.com/l?
M=228862.2128520.3581629.2273195/D=egr
> ou
> > pmail/S=:HM/A=1182686/rand=291805337>
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5269. Re: Accelerometers

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-02 01:24:17 UTC
From: aerobotics58
Topic: 4995 Message: 5269

Jeff -

That link doesn't work when you click on it. Copy and paste this into google and it'll get you there.

Calibrating the ADXL210 accelerometer Jeff Matson

Dan

5270. Re: Accelerometers

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-02 01:26:48 UTC
From: aerobotics58
Topic: 4995 Message: 5270

Whew, I'm struggling here. One more time. Try it this way without the authors name.

Calibrating the ADXL210 accelerometer

Dan

5271. FW: [tvnsp] Accelerometers

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-02 02:11:31 UTC
From: Tony Barrett
Topic: 5271 Message: 5271

Here you go Jeff. Guess I initially only sent this to Bill and Paul, thinking one of them would forward it out to the rest of the group if there was any interest.

73,

Tony - N7MTZ

-----Original Message-----
From: Tony Barrett [mailto:tonybarrett@...]
Sent: Wednesday, November 06, 2002 10:11 PM
To: 'Bill Herrmann'
Cc: 'Paul Verhage'
Subject: RE: [tvnsp] Accelerometers

Paul, Bill,

Larry Beck (another ham friend) called the manufacturer and they were glad to send him two free samples - FED EX! Even if we have to buy them they are only $11 each. They are solid state chips with two outputs; a voltage proportional to the force and a pulse train with the pulse width proportional to the force. Most are two axis units. I know there are 100 G and 10 G units. Even the 10 G units are rated to survive something like a 500 G shock. Don't quote me on that. We need to check the specs.

OK, found my motes (page 70): Analog Devices, $11 each. Two free samples. 100 G, 10 G, or 2 G. Larry says we want the "E" versions.

Check the website and look for MEMs, Accelerometers, Selection Guide. The 10 G unit is part number ADXL210E. The 2 G unit is the ADXL202E.

I'd like to fly some on a balloon and record the forces just after burst, landing, etc.

73,

Tony

-----Original Message-----
From: Bill Herrmann [mailto:bherrman@...]
Sent: Wednesday, November 06, 2002 7:14 PM
To: Tony Barrett
Subject: RE: [tvnsp] Accelerometers

At 07:04 PM 11/6/02 -0700, you wrote:
>I think I have a lead on some free accelerometer ICs. I ll try to
>remember to look up the details and pass them along to you.

Any idea how many are available? I'd be interested in a few, but don't
want
to rob from Paul's efforts. (in other words he'll probably use them
before
I will!)

Bill

5272. Re: [tvnsp] Records

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-02 03:21:27 UTC
From: Mike Manes
Topic: 5260 Message: 5272

Not to mention the timimg of APRS beacons vs ascent/descent
rates and instant of the burst event. These aren't noise-level errors
like placement on the flight string and GPS elevation uncertainties.
If first and second place on Ralph's record list are within 1000 ft
of each other, it just makes for a juicer target for #3!
Mike

"K. Mark Caviezel" wrote:
>
> Yeah , those are the standards for the FAI records,
> presided over by the French. I submit that any
> amatuer group flying over 110k feet deserves honorable
> mention on Ralph's records list. And any group that
> has a flight even ten feet over the 120k flight
> deserves first place. Ya, ya, ya I know that the GPS
> is not accurate to ten feet, but who's to say that one
> GPS was reading high and one was reading low ? I
> don't see a practical way of really knowing. By the
> time we worry about GPS altitude inaccuarcies, we
> could also quibble about APRS module tracker placement
> on the flight string. I think a lot of your TVNSP
> flights have one or two boxes. EOSS and some others
> have multiple payloads that may be spaced out on 50'
> of payload string. I really don't want to see it
> evolve to, "Well, our module was at the bottom of the
> flight string, so, the altitude of the top of the
> balloon was XXX,XXX feet plus 50 plus 35." Lets just
> go with indicated GPS altitude and call it good.
> Anyone who knows anything about it will know that two
> flights that had record altitude within 100 feet or so
> of each other were close enough to be effectively
> tied.
>
> blue skies
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>
> _____
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Mike Manes manes@... Tel: 303-979-4899
"Things should be made as simple as possible, but not more so." A.
Einstein

5273. Re: [tvnsp] Photos 1 and 2 measured and scaled

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-02 00:58:16 UTC
From: Mike Manes
Topic: 5245 Message: 5273

This would require knowing the camera's angular field of view, which
is pretty simple to evaluate on the ground. Just be sure the
calibrated scale is at least 50 focal lengths away from the lens to
minimize errors due to uncertainty in the position of the focal plane.
73 de Mike W5VSI
EOSS

"BLOHM,BILL (HP-Boise,ex1)" wrote:
>
> One way to get an approximate height would be to take a known island or cut
> across the bend in the picture, get that distance off a topo map, then do a
> little trig. Since the camera doesn't point straight down, the result should
> be considered only approximate, of course. Or even use navigation's Distance
> Off formulae to work out the probable height.
>
> Bill B.
>
>
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>
>
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Mike Manes manes@... Tel: 303-979-4899
"Things should be made as simple as possible, but not more so." A.
Einstein

5274. Re: [tvnsp] More ATV...

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-02 04:13:26 UTC
From: Mike Manes
Topic: 5214 Message: 5274

Hi Jeff,
EOSS has flown ATV on nearly every flight since EOSS-1 11 years ago.
We use a PC Electronics KPA-5 1W xmtr on 426.25 MHz and a Little Wheel
horizontal omni on the balloon. With 2 Li D-cells and a dc-dc
converter and 2 cameras (up and down), the ATV module weighs 3.3 lb.
The ground station uses an 18-el HyGain yagi with mast mounted ARR
1 dB LNA on an az-el mount and a PC Electronics downconverter. This
gets us P3+ out to about 50 miles downrange. It also is the "anchor"
which fixes our ground station to the launch site.
73 de Mike W5VSI

Jeff Melanson wrote:
>
> Hi Mike,
>
> When I wrote the statement about getting video for a
> complete flight I was referring to an onboard camcorder not
> ATV. I didn't know anyone managed to get ATV video of a
> complete flight (minus the landing). I'm interested in
> knowing more about it.
>
> Can you tell me what kind of equipment was used? What was
> the altitude? Was is B&W or Color? I wonder how much the
> equipment weighed?
>
> Jeff
> KD7INN
>
> Mike Manes wrote:
> >
> > Hi Paul,
> > EOSS has managed to get ATV from launch to landing. On a
> > recent
> > flight, Chris KB0YRZ sucessfully taped the ATV from the
> > field all the
> > way down to landing, and we have ground station tape from
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> > to LOS in descent. On EOSS-60, where the payload landed
> > just
> > 10 miles downrange, we got ground station video up until
> > just a
> > few seconds before landing (judging from the sudden
> > transition from
> > P5 to LOS, as the features on the ground were moving out
> > radially

> > in the image at an alarming rate). The Pioneer Astro
> > camcorder
> > on EOSS-4? did capture the whole flight, including the
> > parachute
> > drag, albeit thru a frost-coated lens.
> > 73 de Mike W5VSI
> >
> > verhap@... wrote:
> > >
> > > > We are not the first to fly a camcorder but are
> > > > the first to get a couple of complete video's from
> > lift off
> > > > to landing. If you would like to see the video's they
> > are
> > > > available.
> > >
> > > We're not the first, but we are one of the only and as
> > Jeff said, no
> > > one has video from lift off to recovery like we do.
> > >
> > > Paul
> > >
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> > Mike Manes manes@... Tel: 303-979-4899
> > "Things should be made as simple as possible, but not more
> > so." A.
> > Einstein
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--
Mike Manes manes@... Tel: 303-979-4899
"Things should be made as simple as possible, but not more so." A.
Einstein

5275. Book Status

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-02 15:11:18 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5275 Message: 5275

I finished page 402 last night. Chapter Eight is almost completely rewritten, just one more section to go. I may get Chapter Nine completed by this weekend.

Paul

5276. John's Power Supply

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-02 17:32:02 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5276 Message: 5276

John, we tested the power supply and measured 13.85 volts. Is there anything else my students were suppose to do?

Paul

5277. Re: [tvnsp] Book Status

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-02 18:19:54 UTC
From: Zack Clobes
Topic: 5275 Message: 5277

When is this thing going to print?
----- Original Message -----
From: <verhap@...>
To: <tvnsp@yahoogroups.com>
Sent: Monday, December 02, 2002 9:11 AM
Subject: [tvnsp] Book Status

> I finished page 402 last night. Chapter Eight is almost completely
> rewritten, just one more section to go. I may get Chapter Nine
> completed by this weekend.
>
> Paul
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
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>
>

5278. Re: [tvnsp] Book Status

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-02 18:41:14 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5275 Message: 5278

I think I'll have the first draft completed early next year. I have four editors looking at the chapters for accuracy and will add them comments when the first draft is complete. Then Parallax get's their chance to edit it. I hope by summer of 2003 to see the galleys.

Paul

> When is this thing going to print?
> ----- Original Message -----
> From: <verhap@...>
> To: <tvnsp@yahoogroups.com>
> Sent: Monday, December 02, 2002 9:11 AM
> Subject: [tvnsp] Book Status
>
>
> > I finished page 402 last night. Chapter Eight is almost completely
> > rewritten, just one more section to go. I may get Chapter Nine
> > completed by this weekend.
> >
> > Paul
> >
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> > tvnsp-unsubscribe@egroups.com
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> >
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> tvnsp-unsubscribe@egroups.com
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>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
>
>

5279. Re: [tvnsp] John's Power Supply

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-02 21:53:27 UTC
From: John Knapp
Topic: 5276 Message: 5279

Ripple okay, no problem to use with the radios and tnc's? When something like that is free I am kinda of curious as to why. Any idea of the amperage rating on it?

JohnK
--- verhap@... wrote:
> John, we tested the power supply and measured 13.85 volts. Is
> there anything else my students were suppose to do?
>
> Paul
>

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Yahoo! Mail Plus - Powerful. Affordable. Sign up now.
http://mailplus.yahoo.com

5280. Re: Accelerometers

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-04 02:49:15 UTC
From: aerobotics58
Topic: 4995 Message: 5280

Jeff -

I got the accelerometer samples in today. Check out this link
http://www.parallax.com/detail.asp?product_id=28012
Looks like parallax is already using the same unit. They have it on a
board with support components and standard pin spacing. The unit's
are SMC's. I have 2 JE's and 2 AE's. The AE's have a better
temperature spec. -40 to +85 C. The JE's are 0 to 70 C. I'll make up
a board and put a JE on for you to play with. We can save the AE's for
Near Space missions. They are 2g units.

Dan

--- In tvnsp@y..., "aerobotics58" <paulson58@j...> wrote:
> Jeff -
>
> I got a couple of ADXL202 and ADXL210 accelerometers coming to me
> from Analog Devices. I'll get these to you in the next couple of
days
> when they arrive. There is a pretty good instructional link for
using
> them at
>
http://www.egr.msu.edu/classes/ece482/Teams/99fall/design4/web/resourc
> es/accel_an.pdf
>
> Dan
>
>
> --- In tvnsp@y..., "kd7inn" <kd7inn@a...> wrote:
> > Tony,
> >
> > Did you find out anything about the free accelerometers?
> >
> > Also does anyone know if the Nuts and Volts issue about
> accelerometers
> > and the BASIC Stamp has come out yet? Would it be the December
> issue
> > that has the article?
> >
> > Jeff
> > KD7INN
> >
> >
> > --- In tvnsp@y..., "Tony Barrett" <tonybarrett@s...> wrote:
> > > Hey Paul,

> >
> > > I think I have a lead on some free accelerometer ICs. I'll try
to
> > > remember to look up the details and pass them along to you.
> >
> > > 73,
> >
> > > Tony
> >
> > > From: verhap@o... [mailto:verhap@o...]
> > > Sent: Wednesday, November 06, 2002 8:26 AM
> > > To: tvnsp@y...
> > > Subject: [tvnsp] Accelerometers
> > >
> > > Nuts and Volts will have an article on an accelerometer
> application
> > > for the Basic Stamp next month.
> > >
> > > Paul
> > >
> > >
> > >
> > >
> > >
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> > > ADVERTISEMENT
> > >
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>
<http://rd.yahoo.com/M=228862.2128520.3581629.2273195/D=egroupweb/S=17
> > 05
> > >
> > 083281:HM/A=1182686/R=0/*http:/adfarm.mediaplex.com/ad/ck/990-
1736-
> 103
> > 9-
> > > 333%0d%0a>
> > >
> > >
> > >
> > >
> > > <http://us.adserver.yahoo.com/l?
> M=228862.2128520.3581629.2273195/D=egr
> > ou
> > > pmail/S=:HM/A=1182686/rand=291805337>
> > >

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> > >
> > >
> > >
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5281. Another item for the checklist...

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-04 06:27:28 UTC
From: Bill Herrmann
Topic: 5281 Message: 5281

We should include a notification of impending balloon flights to the NWAPRS list when we fly. Somebody there just asked about high altitude balloon flights, which made me realize that we don't routinely notify them. Oops!

Bill

5282. John's Power Supply

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-04 16:31:31 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5276 Message: 5282

John, I had one of my students put your PS on the oscope.
There's a very tiny ripple on the output. The ripple is approximately
2 mV peak to peak at a frequency of on the order of 1 kHz.

It looks like a good PS.

Paul

5283. Radio

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-04 17:14:55 UTC
From: John Knapp
Topic: 5276 Message: 5283

Justin, please contact me off list concerning the
Alinco DJ-11 Radios. Email is jknapp@....

Thanks
JohnK

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http://mailplus.yahoo.com

5284. Near Space Experiments

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-06 14:43:27 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5284 Message: 5284

I just finished chapter eight of my book (experiments). The chapter ran to 59 pages long, the longest chapter of the book. At the end of each chpater I add a humor section. For chapter eight, the humor section is a list to ten experiments one ought not perform in near space. I have four so far. I'm looking of rmore ideas. If I add your suggested experiment, I'll give you credit in the chapter.

Please email any suggestions you have. Also feel free to pass the request on to toher people. I'm adding the four current experiments here.

Paul

Near Space Humor
Ten Experiments Not To Perform In Near Space

1. Will a cat still land of its feet if dropped from 50,000 feet?

2. How big a crater would a bowling ball make if dropped from 100,000 feet?

3. How many phone calls would the police get if I launch a near space capsule at night if the capsule was covered in flashing strobes, spinning lasers, and playing the tune from the movie, Close Encounters Of The Third Kind?

4. How far will a spud gun shoot in near space. Can this be a test of a near space Star Wars weapon?

5285. Re: [tvnsp] Near Space Experiments

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-06 14:48:19 UTC
From: John Knapp
Topic: 5284 Message: 5285

How far will a rabbit hop in near space?

--- verhap@... wrote:
> I just finished chapter eight of my book
> (experiments). The chapter
> ran to 59 pages long, the longest chapter of the
> book. At the end
> of each chpater I add a humor section. For chapter
> eight, the
> humor section is a list to ten experiments one ought
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> Paul
>
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> 100,000 feet?
>
> 3. How many phone calls would the police get if I
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> flashing
> strobes, spinning lasers, and playing the tune from
> the movie,
> Close Encounters Of The Third Kind?
>
> 4. How far will a spud gun shoot in near space.
> Can this be a
> test of a near space Star Wars weapon?

>
>

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5286. Re: [tvnsp] Near Space Experiments

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-06 15:24:30 UTC
From: Randy Farley
Topic: 5284 Message: 5286

How many times could you fly over AREA 52 before the payload gets abducted?

verhap@... wrote:

> I just finished chapter eight of my book (experiments). The chapter
> ran to 59 pages long, the longest chapter of the book. At the end
> of each chpater I add a humor section. For chapter eight, the
> humor section is a list to ten experiments one ought not perform in
> near space. I have four so far. I'm looking of rmore ideas. If I add
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5287. Re: [tvnsp] Near Space Experiments

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-06 16:17:19 UTC
From: Justin FORMOLO
Topic: 5284 Message: 5287

Fly a camera over a nude beach. (hmmm, note to self.)

Launch a model rocket straight down just for the thrill of it.

Drop a Super Ball just to see how high it will bounce back up.

Justin

MSN 8 helps eliminate e-mail viruses. Get 2 months FREE*.
http://join.msn.com/?page=features/virus

5288. Rabbit

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-06 16:19:23 UTC
From: daveidaho1
Topic: 5288 Message: 5288

Depends on how close the rabbit is to a balloon burst!
Dave

5289. Re: [tvnsp] Near Space Experiments

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-06 16:23:21 UTC
From: Justin FORMOLO
Topic: 5284 Message: 5289

Here's another one:

Create Battle-Bot Balloons and fight in mid-air with rival balloon groups.

Justin

_____
Protect your PC - get McAfee.com VirusScan Online
http://clinic.mcafee.com/clinic/ibuy/campaign.asp?cid=3963

5290. Just a thought...

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-06 18:29:25 UTC
From: bherrman@spro.net
Topic: 5290 Message: 5290

Anybody else monitor the NWAPRS list? There have been a few recent messages that lead me to believe there is a group of people in Western Washington that are interested in getting started in near space balloon flights.

I think the UofI flight would be a great time to expose them to ballooning and it would be a good opportunity to recruit some additional trackers for that flight. Unfortunately, I haven't been following the flight information for that one. I'll be glad to pass along the information if somebody will refresh my memory.

I am, of course, assuming nobody has an objection to recruiting more converts to near space ballooning. <G>

Bill

5291. Re: [tvnsp] Near Space Experiments

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-06 18:55:48 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5284 Message: 5291

> > Drop a Super Ball just to see how high it will bounce back up.
>
> I like this one best. The beach one I'm too modest to write about
> ;)
>
> Paul
>

5292. Re: [tvnsp] Just a thought...

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-07 01:30:17 UTC
From: Randy Farley
Topic: 5290 Message: 5292

I monitor it Bill.

I sent a reply to the interested party from work,but it did not make
it apparently (the sig that is). Maybe i replied to sender only,can't
remember now.
I told him about our efforts and how to get in contact with Paul.
Maybe a better salesman like you needs to contact him.
The more the merrier are my feelings ;)

bherrman@... wrote:
>
> Anybody else monitor the NWAPRS list? There have been a few recent
> messages that lead me to believe there is a group of people in Western
> Washington that are interested in getting started in near space balloon
> flights.
>
> I think the UofI flight would be a great time to expose them to
> ballooning and it would be a good opportunity to recruit some
> additional trackers for that flight. Unfortunately, I haven't been
> following the flight information for that one. I'll be glad to pass
> along the information if somebody will refresh my memory.
>
> I am, of course, assuming nobody has an objection to recruiting more
> converts to near space ballooning. <G>
>
> Bill
>
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> tvnsp-unsubscribe@egroups.com
>
>
>
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--
Regards,

Randy Farley
N7GPS -Ham Call-
My QTH at: http://map.findu.com/n7gps
Find Me Mobile at: http://map.findu.com/n7gps-9

5293. Re: [tvnsp] Near Space Experiments

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-07 15:09:04 UTC
From: Jeff Melanson
Topic: 5284 Message: 5293

5) If a bird can land on power lines and survive, can a Near Space Capsule?

6) What happens when the Near Space Capsule descends without a parachute? What is terminal velocity for a Near Space Capsule? What happens to an Etrex GPS when it hits the ground at 60 MPH!

7) How long can a Near Space Capsule float?

Jeff
KD7INN

verhap@... wrote:
> I just finished chapter eight of my book (experiments). The chapter
> ran to 59 pages long, the longest chapter of the book. At the end
> of each chpater I add a humor section. For chapter eight, the
> humor section is a list to ten experiments one ought not perform in
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5294. RF shielding

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-07 22:28:55 UTC
From: Mark Conner
Topic: 5294 Message: 5294

I'm thinking about RF shielding for my next balloon payloads.
The TinyTrak I use as a backup beacon especially has problems
with RF.

I stumbled on to this site through Google:
http://www.lessemf.com/

I was thinking about Mylar film as a possible RF shield, but
there are a couple of other products I saw that might be better:

Velostat film: No data on RF shielding performance, looks like
more of an anti-static product. Cheap (~$5/yd^2)
Flectron fabric: A nylon/copper/nickel woven fabric, rather
expensive (~$50/yd^2).

Anyone out there have their own recommendations for RF shielding
of balloon payloads?

73 de Mark N9XTN

Mark D. Conner
E-mail: n9xtn@...
Homepage: http://members.cox.net/mconner1
"Arrogance and stupidity, all in the same package.....how
efficient of you!" - Ambassador Londo Mollari, Babylon 5

5295. Re: [tvnsp] RF shielding

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-07 22:34:18 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5294 Message: 5295

> Flectron fabric: A nylon/copper/nickel woven fabric, rather
> expensive (~$50/yd^2).

Wow, I'll buy ten yards!

Mark, what about aluminum tape? I've seen it at hardware stores, I think in plumbing.

Paul

5296. Re: [tvnsp] RF shielding

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-07 22:46:03 UTC
From: Zack Clobes
Topic: 5294 Message: 5296

We've used the aluminum tape on our last flight to help shield our Elph LT camera. Hard to say if it did any good.. :-)

Every once in a while you stumble across some copper tape that is similar, but you can solder to it. I have some narrow stuff that I think was originally used in making stained glass. It seems to be heavier than the aluminum, and more difficult to find.

The aluminum tape, I believe, is used to seal up joints in the large metal air ducts.

Zack Clobes, W0ZC
Project: Traveler
www.rckara.org/

----- Original Message -----
From: <verhap@...>
To: <tvnsp@yahoogroups.com>
Sent: Saturday, December 07, 2002 4:34 PM
Subject: Re: [tvnsp] RF shielding

> > Flectron fabric: A nylon/copper/nickel woven fabric, rather
> > expensive (~$50/yd^2).
>
> Wow, I'll buy ten yards!
>
> Mark, what about aluminum tape? I've seen it at hardware stores, I
> think in plumbing.
>
> Paul
>
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>

5297. Re: [tvnsp] RF shielding

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-08 00:01:39 UTC
From: Jeff Melanson
Topic: 5294 Message: 5297

Mark,

I know that the mylar blocks GPS signals. We had to remove
the mylar on our capsule covers for the GPS to work. Of
course the GPS signal is very weak to begin with.

Jeff
KD7INN

Mark Conner wrote:
>
> I'm thinking about RF shielding for my next balloon
> payloads.
> The TinyTrak I use as a backup beacon especially has
> problems
> with RF.
>
> I stumbled on to this site through Google:
> http://www.lessemf.com/
>
> I was thinking about Mylar film as a possible RF shield,
> but
> there are a couple of other products I saw that might be
> better:
>
> Velostat film: No data on RF shielding performance, looks
> like
> more of an anti-static product. Cheap (~$5/yd^2)
> Flectron fabric: A nylon/copper/nickel woven fabric,
> rather
> expensive (~$50/yd^2).
>
> Anyone out there have their own recommendations for RF
> shielding
> of balloon payloads?
>
> 73 de Mark N9XTN
> ------
> Mark D. Conner
> E-mail: n9xtn@...
> Homepage: http://members.cox.net/mconner1
> "Arrogance and stupidity, all in the same package.....how
> efficient of you!" - Ambassador Londo Mollari, Babylon
> 5
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5298. Re: [tvnsp] RF shielding

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-07 23:11:00 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5294 Message: 5298

> Every once in a while you stumble across some copper tape that is similar,
> but you can solder to it. I have some narrow stuff that I think was
> originally used in making stained glass. It seems to be heavier than the
> aluminum, and more difficult to find.

Good point. There's a surplus electronics catalog that occasionally
sells copper tape. I don't recall the name.

Paul

5299. RE: [tvnsp] Just a thought...

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-08 00:16:48 UTC
From: Tony Barrett
Topic: 5290 Message: 5299

Stephanie Steele (KC7DBA) gave a presentation about ballooning and showed her Three-Peat capsule at the NWAPRS Summer Gathering in September. She did a great job explaining what the TVNSP does and then hosted a long Q & A session.

As I remember she said Paul had given a similar presentation the year before.

N7MTZ

-----Original Message-----
From: Randy Farley [mailto:rdfarley@...]
Sent: Friday, December 06, 2002 6:30 PM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] Just a thought...

I monitor it Bill.

I sent a reply to the interested party from work,but it did not make it apparently (the sig that is). Maybe i replied to sender only,can't remember now.
I told him about our efforts and how to get in contact with Paul.
Maybe a better salesman like you needs to contact him.
The more the merrier are my feelings ;)

bherrman@... wrote:
>
> Anybody else monitor the NWAPRS list? There have been a few recent
> messages that lead me to believe there is a group of people in Western
> Washington that are interested in getting started in near space balloon
> flights.
>
> I think the UofI flight would be a great time to expose them to
> ballooning and it would be a good opportunity to recruit some
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>
>
>
> Your use of Yahoo! Groups is subject to
http://docs.yahoo.com/info/terms/

--
Regards,

Randy Farley
N7GPS -Ham Call-
My QTH at: http://map.findu.com/n7gps
Find Me Mobile at: http://map.findu.com/n7gps-9

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http://www.ameriquestmortgage.com/welcome.html?ad=Yahoo01>

<http://us.adserver.yahoo.com/l?M=234081.2711418.4084139.1925585/D=egrou
pmail/S=:HM/A=1327986/rand=473451213>

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5300. RE: [tvnsp] Near Space Experiments

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-08 00:18:55 UTC
From: Tony Barrett
Topic: 5284 Message: 5300

How big is the projected landing zone for a near space capsule that loses power on its way down at 60,000 feet?

-----Original Message-----
From: Jeff Melanson [mailto:kd7inn@...]
Sent: Saturday, December 07, 2002 8:09 AM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] Near Space Experiments

5) If a bird can land on power lines and survive, can a Near Space Capsule?

6) What happens when the Near Space Capsule descends without a parachute? What is terminal velocity for a Near Space Capsule? What happens to an Etrex GPS when it hits the ground at 60 MPH!

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KD7INN

verhap@... wrote:
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> I just finished chapter eight of my book (experiments).
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> 50,000 feet?
>
> 2. How big a crater would a bowling ball make if dropped
> from
> 100,000 feet?
>
> 3. How many phone calls would the police get if I launch
> a near
> space capsule at night if the capsule was covered in
> flashing
> strobes, spinning lasers, and playing the tune from the
> movie,
> Close Encounters Of The Third Kind?
>
> 4. How far will a spud gun shoot in near space. Can this
> be a
> test of a near space Star Wars weapon?
>
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5301. RF shielding effectiveness vs. frequency

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-08 18:37:06 UTC
From: Hank <n1ltv@yahoo.com>
Topic: 5294 Message: 5301

> I know that the mylar blocks GPS signals.

The main effect in play here is that the very high
GPS frequency RF is absorbed by many plastics (and
other materials) that are virtually "transparent" at
2 meters and below.

It's all about the frequency, not the strength of
the GPS signals.

Hank

5302. Re: [tvnsp] RF shielding effectiveness vs. frequency

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-08 18:44:34 UTC
From: Doug Eubanks
Topic: 5294 Message: 5302

Well, now for my $.02 worth.

When constructing the capsules, why not put a layer of aluminum foil on before you wrap the Mylar or other coverings around it to finish the outside? By being the inner layer, the outer layers would protect it. The foil is cheap and lightweight. This should block RF at the 2m and 70cm frequencies easily enough.

Doug, KAØO
----- Original Message -----
From: Hank <n1ltv@...>
To: tvnsp@...m
Sent: Sunday, December 08, 2002 12:37 PM
Subject: [tvnsp] RF shielding effectiveness vs. frequency

> I know that the mylar blocks GPS signals.

The main effect in play here is that the very high
GPS frequency RF is absorbed by many plastics (and
other materials) that are virtually "transparent" at
2 meters and below.

It's all about the frequency, not the strength of
the GPS signals.

Hank

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5303. Re: RF shielding effectiveness vs. frequency

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-08 19:18:24 UTC
From: Hank <n1ltv@yahoo.com>
Topic: 5294 Message: 5303

In my last message I wasn't thinking of antistatic
or otherwise aluminized mylar, but pure untreated,
uncoated mylar.

In the case of typical aluminized mylar that is
not totally opaque to visible light used for
antistatic packaging, there is some attenuation
at 144 MHz.

According to a quick experiment I just did, it's
way less than aluminum foil.

I took a HT with small duck ant. tuned to wx radio
(162 MHz) and placed it totally inside a mylar
antistatic bag. It played with less signal
strength but still did receieve the signal which was
not too strong to begin with.

A similar sized aluminum foil bag with folded
seams totally shut down the HT before it was even
completely enclosed at the bottom (away from the
antenna). Silencio.

My conclusion is to go with aluminum or other
conductive metal foil for complete shielding
at VHF and up.

Hank

5304. Re: RF shielding effectiveness vs. frequency

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-08 19:22:27 UTC
From: Hank <n1ltv@yahoo.com>
Topic: 5294 Message: 5304

> When constructing the capsules, why not put a layer of
> aluminum foil on before you wrap the Mylar or other
> coverings around it to finish the outside? By being the
> inner layer, the outer layers would protect it. The foil
> is cheap and lightweight. This should block RF at the 2m
> and 70cm frequencies easily enough.

I agree, and you can have mylar or polyethylene under the
aluminum to prevent shorts. I'd be concerned about
aluminum being close to all kinds of electronic components
without a barrier insulating layer.

Hank

5305. Re: [tvnsp] Re: RF shielding effectiveness vs. frequency

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-08 19:42:03 UTC
From: Zack Clobes
Topic: 5294 Message: 5305

Another packaging issue that would need to be considered is the placement of the transmitting (and receiving for that matter) antennas. We mount our 2m dipoles directly to our capsule. Having a conducting coating around the entire capsule would making tuning a dipole nearly impossible within an inch or two.

I think some of the other groups use stand-offs to get their antennas away from the capsule, which should minimize this issue. Depending on your package size and antenna orientation, I would suspect that the package itself would become a parasitic radiator - either a reflector, a director, or somewhere in between.

You could use the package itself as a ground plane and use 1/4 wave 'verticals' coming off the package in various directions, but I would expect that to cancel the effects of the shielding in the first place (since the ground plane is just another radiator).

It seems like there was a good article in Circuit Cellar a few months back covering these issues - I will try to dig that up.

Zack Clobes, W0ZC
Project: Traveler
www.rckara.org/

----- Original Message -----
From: <n1ltv@...>
To: <tvnsp@yahoogroups.com>
Sent: Sunday, December 08, 2002 1:22 PM
Subject: [tvnsp] Re: RF shielding effectiveness vs. frequency

> > When constructing the capsules, why not put a layer of
> > aluminum foil on before you wrap the Mylar or other
> > coverings around it to finish the outside? By being the
> > inner layer, the outer layers would protect it. The foil
> > is cheap and lightweight. This should block RF at the 2m
> > and 70cm frequencies easily enough.
>
> I agree, and you can have mylar or polyethylene under the
> aluminum to prevent shorts. I'd be concerned about
> aluminum being close to all kinds of electronic components
> without a barrier insulating layer.
>
> Hank
>
>
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>

5306. Re: [tvnsp] Re: RF shielding effectiveness vs. frequency

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-08 20:01:46 UTC
From: Zack Clobes
Topic: 5294 Message: 5306

The article I'm thinking of is on page 28 of the May 2002 issue of Circuit Cellar. Since their website will sell you the article for $1.50, I think it's safe to assume that they don't want me to post it here. You can buy the article from http://www.circuitcellar.com/magazine/142toc.htm. Select the article titled 'Working with EMC'.

After a quick re-skim of the page I was thinking of, it basically makes these points:
- Use dual shielding. They show the example of a piece of avionics where there is a metal box inside of another metal box. There appears to be at least an inch of dead-air between the two boxes on most (if not all) sides.
- All cables coming and going into the box need to be properly shielded. As this would apply to us, we would need to be careful of coaxes coming out of the box. All coaxes, temp sensors, experiments, etc, should be properly shielded into and throughout the plug/box. Elsewhere in the article he shows examples of using low-pass filters on all I/O lines.
- Even details as innocent as cooling holes can have a serious impact, especially in the microwave. He makes the statement that .1" ventilation holes can degrade the isolation at 6GHz by 40dB.

I also noticed several other free articles on Circuit Cellar's website at www.circuitcellar.com that may be of interest.

Zack Clobes, W0ZC
Project: Traveler
www.rckara.org/

----- Original Message -----
From: <n1ltv@...>
To: <tvnsp@yahoogroups.com>
Sent: Sunday, December 08, 2002 1:22 PM
Subject: [tvnsp] Re: RF shielding effectiveness vs. frequency

> > When constructing the capsules, why not put a layer of
> > aluminum foil on before you wrap the Mylar or other
> > coverings around it to finish the outside? By being the
> > inner layer, the outer layers would protect it. The foil
> > is cheap and lightweight. This should block RF at the 2m
> > and 70cm frequencies easily enough.
>
> I agree, and you can have mylar or polyethylene under the
> aluminum to prevent shorts. I'd be concerned about
> aluminum being close to all kinds of electronic components
> without a barrier insulating layer.
>
> Hank

>
>
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5307. Re: [tvnsp] Re: RF shielding effectiveness vs. frequency

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-08 22:40:00 UTC
From: Jeff Melanson
Topic: 5294 Message: 5307

My antennas are held away from the capsule by 6" and they
are on opposite sides. I haven't had any problems with the
the TT2.

Jeff

Zack Clobes wrote:
>
> Another packaging issue that would need to be considered
> is the placement of
> the transmitting (and receiving for that matter)
> antennas. We mount our 2m
> dipoles directly to our capsule. Having a conducting
> coating around the
> entire capsule would making tuning a dipole nearly
> impossible within an inch
> or two.
>
> I think some of the other groups use stand-offs to get
> their antennas away
> from the capsule, which should minimize this issue.
> Depending on your
> package size and antenna orientation, I would suspect that
> the package
> itself would become a parasitic radiator - either a
> reflector, a director,
> or somewhere in between.
>
> You could use the package itself as a ground plane and use
> 1/4 wave
> 'verticals' coming off the package in various directions,
> but I would expect
> that to cancel the effects of the shielding in the first
> place (since the
> ground plane is just another radiator).
>
> It seems like there was a good article in Circuit Cellar a
> few months back
> covering these issues - I will try to dig that up.
>
> Zack Clobes, W0ZC
> Project: Traveler
> www.rckara.org/
>
> ----- Original Message -----

> From: <n1ltv@...>
> To: <tvnsp@yahoogroups.com>
> Sent: Sunday, December 08, 2002 1:22 PM
> Subject: [tvnsp] Re: RF shielding effectiveness vs.
> frequency
>
> > > When constructing the capsules, why not put a layer of
> > > aluminum foil on before you wrap the Mylar or other
> > > coverings around it to finish the outside? By being
> the
> > > inner layer, the outer layers would protect it. The
> foil
> > > is cheap and lightweight. This should block RF at the
> 2m
> > > and 70cm frequencies easily enough.
> >
> > I agree, and you can have mylar or polyethylene under
> the
> > aluminum to prevent shorts. I'd be concerned about
> > aluminum being close to all kinds of electronic
> components
> > without a barrier insulating layer.
> >
> > Hank
> >
> >
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5308. Re: RF shielding effectiveness vs. frequency

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-08 21:49:33 UTC
From: Hank <n1ltv@yahoo.com>
Topic: 5294 Message: 5308

Zack,

What if any shielding do you use on your PIC
balloon packet generator?

Hank

5309. Re: [tvnsp] Re: RF shielding effectiveness vs. frequency

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-08 22:55:03 UTC
From: Jeff Melanson
Topic: 5294 Message: 5309

Additional information...

My capsule was also covered with 3 layers of mylar (space blanket) and each layer was seperated with scrim. I say was because the capsule is currently out of service. The capsule is 12 inches wide which means the antennas are 24 inches apart.

Jeff

Jeff Melanson wrote:
>
> My antennas are held away from the capsule by 6" and they
> are on opposite sides. I haven't had any problems with the
> the TT2.
>
> Jeff
>
> Zack Clobes wrote:
> >
> > Another packaging issue that would need to be considered
> > is the placement of
> > the transmitting (and receiving for that matter)
> > antennas. We mount our 2m
> > dipoles directly to our capsule. Having a conducting
> > coating around the
> > entire capsule would making tuning a dipole nearly
> > impossible within an inch
> > or two.
> >
> > I think some of the other groups use stand-offs to get
> > their antennas away
> > from the capsule, which should minimize this issue.
> > Depending on your
> > package size and antenna orientation, I would suspect
> that
> > the package
> > itself would become a parasitic radiator - either a
> > reflector, a director,
> > or somewhere in between.
> >
> > You could use the package itself as a ground plane and
> use
> > 1/4 wave
> > 'verticals' coming off the package in various
> directions,

> > but I would expect
> > that to cancel the effects of the shielding in the first
> > place (since the
> > ground plane is just another radiator).
> >
> > It seems like there was a good article in Circuit Cellar
> a
> > few months back
> > covering these issues - I will try to dig that up.
> >
> > Zack Clobes, W0ZC
> > Project: Traveler
> > www.rckara.org/
> >
> > ----- Original Message -----
> > From: <n1ltv@...>
> > To: <tvnsp@yahoogroups.com>
> > Sent: Sunday, December 08, 2002 1:22 PM
> > Subject: [tvnsp] Re: RF shielding effectiveness vs.
> > frequency
> >
> > > > When constructing the capsules, why not put a layer
> of
> > > > aluminum foil on before you wrap the Mylar or other
> > > > coverings around it to finish the outside? By being
> > the
> > > > inner layer, the outer layers would protect it. The
> > foil
> > > > is cheap and lightweight. This should block RF at
> the
> > 2m
> > > > and 70cm frequencies easily enough.
> > >
> > > I agree, and you can have mylar or polyethylene under
> > the
> > > aluminum to prevent shorts. I'd be concerned about
> > > aluminum being close to all kinds of electronic
> > components
> > > without a barrier insulating layer.
> > >
> > > Hank
> > >
> > >
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> > >
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5310. Re: [tvnsp] Re: RF shielding effectiveness vs. frequency

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-08 22:19:18 UTC
From: Zack Clobes
Topic: 5294 Message: 5310

None. I have seen some sporadic problems with RFI - mainly on the bench (go figure). The problems have been pretty well alleviated with the addition of SMT ferrite beads on all of the I/O lines. Removing excess cord between the battery packs, sensors, etc seem to help also.

We try to position the controller board as far as possible from the antennas, but our latest package (from GPSL and the other Herrington launch a few months later) is only about 9 inches cubed and the dipoles are mounted directly to the sides.

Our biggest problem was the Elph camera being triggered by RF. To fix that problem, we use a tightly twisted pair of wire to drive an opto-isolator which is mounted to the top of the camera body. We also wrapped the camera in aluminum tape.

That's our story.

Zack Clobes, W0ZC
Project: Traveler
www.rckara.org/

----- Original Message -----
From: <n1ltv@...>
To: <tvnsp@yahoogroups.com>
Sent: Sunday, December 08, 2002 3:49 PM
Subject: [tvnsp] Re: RF shielding effectiveness vs. frequency

> Zack,
>
> What if any shielding do you use on your PIC
> balloon packet generator?
>
> Hank
>
>
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>

5311. Re: [EOSS] RF shielding

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-09 03:05:30 UTC
From: K. Mark Caviezel
Topic: 5294 Message: 5311

my TT2 based vhf tracker cleaned up A LOT when we put
aluminum foil on the audio in cable, just the first 3
inches from the plug and down (just happened to have a
3 inch long piece of aluminum foil hanging around).
I also recommed low power, my trackers are 200mW but
work fine.
- KMC

--- Mark Conner <n9xtn@...> wrote:
> I'm thinking about RF shielding for my next balloon
> payloads.
> The TinyTrak I use as a backup beacon especially has
> problems
> with RF.
>
> I stumbled on to this site through Google:
> http://www.lessemf.com/
>
> I was thinking about Mylar film as a possible RF
> shield, but
> there are a couple of other products I saw that
> might be better:
>
> Velostat film: No data on RF shielding performance,
> looks like
> more of an anti-static product. Cheap (~$5/yd^2)
> Flectron fabric: A nylon/copper/nickel woven
> fabric, rather
> expensive (~$50/yd^2).
>
> Anyone out there have their own recommendations for
> RF shielding
> of balloon payloads?
>
> 73 de Mark N9XTN
> ------
> Mark D. Conner
> E-mail: n9xtn@...
> Homepage: http://members.cox.net/mconner1
> "Arrogance and stupidity, all in the same
> package.....how
> efficient of you!" - Ambassador Londo Mollari,
> Babylon 5
>
>

>

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5312. Lab Coats

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-09 06:55:36 UTC
From: Russell Dunn
Topic: 5312 Message: 5312

Paul, here's you chance to dress the launch crew like nerds, er, uh, professionals. Or is it amateur scientists? There are about a dozen grey lab coats for sale (new?) in Nampa at the Farm Store on 2st St S and 14th Ave. They're $10. Quite inexpensive. There were a few white ones, but not as many. The store buys end of run, odd lots and closeouts. Might get more later.

Russ
N7SMA

5313. Re: [tvnsp] RF shielding effectiveness vs. frequency

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-09 15:01:58 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5294 Message: 5313

> > I know that the mylar blocks GPS signals.
>
> The main effect in play here is that the very high
> GPS frequency RF is absorbed by many plastics (and
> other materials) that are virtually "transparent" at
> 2 meters and below.
>
> It's all about the frequency, not the strength of
> the GPS signals.

The polystyrene in styrofoam does not block GPS signals. As I recall, Jeff and I still had a GPS lock through 4 inches of styrofoam.

Paul

5314. Re: [tvnsp] Lab Coats

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-09 15:31:19 UTC
From: Tim Rynearson
Topic: 5312 Message: 5314
Attachments: 1 described; binary payloads are missing from this source WARC

There's a Farm Store over here in Emmett, too....I'll check and see if they ve got some too....

Tim

-------Original Message-------

From: tvnsp@yahoogroups.com
Date: Sunday, December 08, 2002 11:48:38 PM
To: tvnsp@yahoogroups.com
Subject: [tvnsp] Lab Coats

Paul, here's you chance to dress the launch crew like nerds, er, uh, professionals. Or is it amateur scientists? There are about a dozen grey lab coats for sale (new?) in Nampa at the Farm Store on 2st St S and 14th Ave. They're $10. Quite inexpensive. There were a few white ones, but not as many. The store buys end of run, odd lots and closeouts. Might get more later.

Russ
N7SMA

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5315. Re: [tvnsp] RF shielding effectiveness vs. frequency

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-09 15:34:40 UTC
From: Harry M
Topic: 5294 Message: 5315

Does anyone know if fiberglass blocks GPS signals?
I bought a van with a glass top and there is room to
put my tracker in the overhead area.

Harry
KC5TRB

> > > I know that the mylar blocks GPS signals.
> >

> The polystyrene in styrofoam does not block GPS signals

5316. Re: [tvnsp] Lab Coats

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-09 15:42:03 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5312 Message: 5316

> Is anyone interested in TVNSP lab coats? We could get your
> name printed on the front and TVNSP printed on the back.
>
> Paul
>
> > Paul, here's you chance to dress the launch crew like nerds, er, uh, professionals. Or is it amateur scientists? There are about a dozen grey lab coats for sale (new?) in Nampa at the Farm Store on 2st St S and 14th Ave. They're $10. Quite inexpensive. There were a few white ones, but
not
> as many. The store buys end of run, odd lots and closeouts. Might get more later.
> >
> > Russ
> > N7SMA
>
>
>

5317. John's Callsign

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-09 17:30:57 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5317 Message: 5317

John the Youonger,, I've added a copy of your checklist to my book. I thought I knew your callsign, but......

Can you email me your callsign? I tried looking it up on qrl.net but ran into a bad website. I'll try hunting around some more after class.

Paul

5318. Re: [tvnsp] John's Callsign

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-09 17:53:58 UTC
From: Tim Rynearson
Topic: 5317 Message: 5318
Attachments: 1 described; binary payloads are missing from this source WARC

Paul, for call sign lookup, try www.qrz.com

Tim

-------Original Message-------

From: tvnsp@yahoogroups.com
Date: Monday, December 09, 2002 10:28:25 AM
To: tvnsp@yahoogroups.com
Subject: [tvnsp] John's Callsign

John the Youonger,, I've added a copy of your checklist to my
book. I thought I knew your callsign, but......

Can you email me your callsign? I tried looking it up on qrl.net but
ran into a bad website. I'll try hunting around some more after
class.

Paul

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.

5319. Alkaline Batteries for SAR?

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-09 19:42:24 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5319 Message: 5319

A couple of months ago, someone (I don't remember who)
mentioned that Search and Rescue only used alkaline cells
because they wanted to see the drop in voltage as the cells were
discharged.

I need to verify that statement. Can someone confirm it?

Paul

5320. Re: RF loss performance figures for a few plastics

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-09 20:16:07 UTC
From: Hank <n1ltv@yahoo.com>
Topic: 5294 Message: 5320

> The polystyrene in styrofoam does not block GPS signals. As
> I recall, Jeff and I still had a GPS lock through 4 inches of
> styrofoam.
>
> Paul

That's because polystyrene is right up there with Teflon.
Foaming it makes it even a little better. Ordinary
polyethylene is also very good. Epoxy, phenolic, and most
of the other plastics are not so good:

Dissipation factor (this table will line up nicely if
viewed in a monotype font like Courier)
---

100 Mhz 3 GHz

Foamed polystyrene -- .0001
Polystyrene less than .0001 .00033
Teflon .0002 .00015
Polyethylene .0002 .00031

Phenolic .038 .0438
Epoxy (depends .026 .021
on exact type)

Note that plain old polystyrene is superior to teflon at
VHF. The big attribute of teflon in that frequency range
is superb heat resistance.

I couldn't find a figure for fiberglass, and these
values don't tell the attenuation because that
depends on the thickness of the absorbing layer, but
fiberglass will knock down your GPS signal.

Harry, I'd suggest holding a portable GPS under that roof
and actually seeing what it does.

Hank

5321. Re: [tvnsp] John's Callsign

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-09 20:28:20 UTC
From: John Knapp
Topic: 5317 Message: 5321

I believe it is K7JPS.

JohnK

--- verhap@... wrote:
> John the Youonger,, I've added a copy of your
> checklist to my
> book. I thought I knew your callsign, but......
>
> Can you email me your callsign? I tried looking it
> up on qrl.net but
> ran into a bad website. I'll try hunting around
> some more after
> class.
>
> Paul
>

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http://mailplus.yahoo.com

5322. RE: [tvnsp] Just a thought...

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-09 21:32:04 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 5290 Message: 5322

I also contacted him and pointed him to the TVNSP web site.

Bill B.

-----Original Message-----
From: Randy Farley [mailto:rdfarley@...]
Sent: Friday, December 06, 2002 6:30 PM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] Just a thought...

I monitor it Bill.

I sent a reply to the interested party from work,but it did not make
it apparently (the sig that is). Maybe i replied to sender only,can't
remember now.
I told him about our efforts and how to get in contact with Paul.
Maybe a better salesman like you needs to contact him.
The more the merrier are my feelings ;)

bherrman@... wrote:
>
> Anybody else monitor the NWAPRS list? There have been a few recent
> messages that lead me to believe there is a group of people in Western
> Washington that are interested in getting started in near space balloon
> flights.
>
> I think the UofI flight would be a great time to expose them to
> ballooning and it would be a good opportunity to recruit some
> additional trackers for that flight. Unfortunately, I haven't been
> following the flight information for that one. I'll be glad to pass
> along the information if somebody will refresh my memory.
>
> I am, of course, assuming nobody has an objection to recruiting more
> converts to near space ballooning. <G>
>
> Bill
>
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>
>
>
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--
Regards,

Randy Farley
N7GPS -Ham Call-
My QTH at: http://map.findu.com/n7gps
Find Me Mobile at: http://map.findu.com/n7gps-9

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5323. Re: [KNSP] RF shielding

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-10 00:42:09 UTC
From: Don Pfister
Topic: 5323 Message: 5323

My other email isn't signed up for most of the groups. Maybe this will make it to a few of them.

73
Don

"Don Pfister KA0JLF " wrote:

> Everyone keep in mind the shielded capsule also creates a radio shield to
> your transmitted signal. If you put your antenna on one side there could
> be a large rf null on the other side.
>
> I think we experienced this on the first flight. I think the capsule would
> block GPS sats as it oscillated on the way down. Once the air got thick
> enough for the chute it seemed to pick up enough sats for 3D lock. We also
> enlarged our spill hole after that first flight.
>
> Another thing we have experienced is with our coax breaking (jacket and
> braid). We normally fly MJF j-poles and if we don't insulate the coax it
> will break at tied down spots.
>
> Don
>
> On Mon, 9 Dec 2002, Don Pfister KA0JLF <donp@...> wrote:
>
> > Mark what we have used since our first capsule is the foam siding
> > insulation that has a foil on one side.
> >
> > Don
> >
> > On Sat, 7 Dec 2002, Mark Conner wrote:
> >
> > > Anyone out there have their own recommendations for RF shielding
> > > of balloon payloads?

--

[Signature File]
Name=Don Pfister KA0JLF
PFranc of KS - GPS cables and connectors
Founder of HABITAT SkyLab
(High Altitude Basic Investigation Testing And Tracking)

5324. RE: [tvnsp] John's Callsign

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-10 01:11:24 UTC
From: K7JPS - John
Topic: 5317 Message: 5324

John the elder has it right..

John the younger
K7JPS

-----Original Message-----
From: John Knapp [mailto:kd7hgs@...]
Sent: Monday, December 09, 2002 13:28
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] John's Callsign

I believe it is K7JPS.

JohnK

--- verhap@... wrote:
> John the Youonger,, I've added a copy of your
> checklist to my
> book. I thought I knew your callsign, but......
>
> Can you email me your callsign? I tried looking it
> up on qrl.net but
> ran into a bad website. I'll try hunting around
> some more after
> class.
>
> Paul
>

_____
Do you Yahoo!?
Yahoo! Mail Plus - Powerful. Affordable. Sign up now.
http://mailplus.yahoo.com

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5325. Re: [tvnsp] Re: RF loss performance figures for a few plastics

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-10 02:55:22 UTC
From: Harry M
Topic: 5294 Message: 5325

Thanks for the Table Hank. I do plan to experiment
under the roof. My TracPak has a preamp so that
will help a bit. I will also try a stock
Earthmate and make some comparisons.

>
> I couldn't find a figure for fiberglass, and these
> values don't tell the attenuation because that
> depends on the thickness of the absorbing layer, but
> fiberglass will knock down your GPS signal.
>
> Harry, I'd suggest holding a portable GPS under that roof
> and actually seeing what it does.
>
> Hank
>
>
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>
>
>
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>
>
>

5326. Re: [tvnsp] Re: RF loss performance figures for a few plastics

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-10 04:34:21 UTC
From: Jeff Melanson
Topic: 5294 Message: 5326

Harry,

Be sure to let us know the results of the experiment.
Inquiring minds want to know.

Jeff

Harry M wrote:
>
> Thanks for the Table Hank. I do plan to experiment
> under the roof. My TracPak has a preamp so that
> will help a bit. I will also try a stock
> Earthmate and make some comparisons.
>
> >
> > I couldn't find a figure for fiberglass, and these
> > values don't tell the attenuation because that
> > depends on the thickness of the absorbing layer, but
> > fiberglass will knock down your GPS signal.
> >
> > Harry, I'd suggest holding a portable GPS under that
> roof
> > and actually seeing what it does.
> >
> > Hank
> >
> >
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> >
> >
> >
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5327. Re: [tvnsp] RF shielding

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-10 04:44:31 UTC
From: Adam
Topic: 5294 Message: 5327

Iron silicide is a broadband RF absorber, you can get it for about $20 per lb at www.steward.com

Adam
----- Original Message -----
From: "Mark Conner" <n9xtn@...>
To: "EOSS list" <eoss@yahoogroups.com>; "KNSP List" <KNSP@yahoogroups.com>; "TVNSP List" <tvnsp@yahoogroups.com>
Sent: Saturday, December 07, 2002 4:28 PM
Subject: [tvnsp] RF shielding

> I'm thinking about RF shielding for my next balloon payloads.
> The TinyTrak I use as a backup beacon especially has problems
> with RF.
>
> I stumbled on to this site through Google:
> http://www.lessemf.com/
>
> I was thinking about Mylar film as a possible RF shield, but
> there are a couple of other products I saw that might be better:
>
> Velostat film: No data on RF shielding performance, looks like
> more of an anti-static product. Cheap (~$5/yd^2)
> Flectron fabric: A nylon/copper/nickel woven fabric, rather
> expensive (~$50/yd^2).
>
> Anyone out there have their own recommendations for RF shielding
> of balloon payloads?
>
> 73 de Mark N9XTN
> ------
> Mark D. Conner
> E-mail: n9xtn@...
> Homepage: http://members.cox.net/mconner1
> "Arrogance and stupidity, all in the same package.....how
> efficient of you!" - Ambassador Londo Mollari, Babylon 5
>
>
>
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>
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>

5328. Re: [tvnsp] Re: RF loss performance figures for a few plastics

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-10 05:13:45 UTC
From: Harry M
Topic: 5294 Message: 5328

Roger, Doger!!!

> Harry,
>
> Be sure to let us know the results of the experiment.
> Inquiring minds want to know.
>
> Jeff
>

5329. Fw: [aprsnews] 16 bit (and larger) Telemetry

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-10 14:45:47 UTC
From: Harry M
Topic: 5329 Message: 5329

This came across the APRS Sig!

Harry - KC5TRB

----- Original Message -----
From: "Steve Dimse" <k4hg@...>
To: "APRS Announcements" <aprsnews@...>
Sent: Tuesday, December 10, 2002 2:06 AM
Subject: [aprsnews] 16 bit (and larger) Telemetry

> I'm involved in an APRS project that requires telemetry with greater
precision
> than the 8 bits provided for in the APRS spec. This data will be
transmitted
> using the "user defined" part of the spec. Rather than develop a format
specific
> to this application, I am going to make it as general as I can, so that
the
> findU tools I am writing to manipulate the data can be used by other
> applications (thereby hopefully avoiding some requests for special
user-defined
> formats).
>
> I'm bringing this up here because I'm open to suggestions, at least up
until the
> first remote device is deployed. If you have ideas that would make this
more
> uesful, please share them.
>
> The basic plan is for two different packets, one with positive hex
integers, the
> other with base 10 numbers (which may be signed or unsigned, integer or
floating
> point).
>
> The reason for two formats is that hex is easier for embedded devices to
encode
> than decimal, and can also save a few bytes on ech packet, depending on
the
> number and size of the values. However, it is hard to do negatives in
hex(when
> there is not a set bit-length of the number...is FF a 16 bit 255 or an 8
bit
> -1?) and damn near impossible to do efficient, cross-platform floating

point.
>
> There is no official limit on the number of values in the packet (there
are
> practical issues, but the format, and my code do not set the limits),
fields are
> comma delimited, datapoints without values are represented by a true
empty field
> (two consecutive commas or comma at the end of a line). I propose using
the
> character T (telemetry) for the user character, and H and D (hex and
decimal)
> for the format character.
>
> Note there is no timestamp or sequence number in this spec. An individual
user
> is free to designate one of the fields for that function, but there is no
wasted
> space for those who don't need it.
>
> Examples:
>
> }TH243,AE,4F2,,12,0,FF
>
> }TD134.2,42,0,-23.3,0,
>
> Again, this is under the user-defined part of the spec, so it is not a
matter
> for the APRS WG (other than allocated the specific format characters). If
you
> have a need not met by whatever we end up using, you can create at
different
> format to meet your needs. As I say, I'm bringing this up now because I
would
> like to have the spec and tools as general purpose as possible.
>
> As a teaser, I'll show an example of a prototype of a new telemetry cgi.
This
> uses the Ploticus plotting package (http://ploticus.sourceforge.net)...a
very
> powerful program with its own complex scripting language, but this
prototype
> uses one of their "prefab" scripts, chron, which plots time on the x
axis. It is
> limited to plotting a single line, obviously not good enough, I'll have
to learn
> the scripting language, but this hints at what can be done:
>
> http://www.findu.com/cgi-bin/tele1.cgi?call=k9d9&last=72¶m=1
> http://www.findu.com/cgi-bin/tele1.cgi?call=kj7az-6&last=72¶m=2

>
> (param is which of the tele values to plot, in addition 0 is the
transmitted
> sequence number, while -1 is the received sequence number).
>
> The final tele cgi will work on the original 8 bit format and either of
the new
> ones automatically (i.e. it will sense the datatype and do conversions
> automatically, no need to specify the format).
>
> Comments encouraged! (and can someone post this on the aprsspec group,
I'm not
> subscribed!)
>
>
> Steve K4HG
>

5330. RE: [tvnsp] Re: [KNSP] RF shielding

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-10 18:50:17 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 5323 Message: 5330

> I think we experienced this on the first flight. I think the capsule would
> block GPS sats as it oscillated on the way down. Once the air got thick
> enough for the chute it seemed to pick up enough sats for 3D lock. We also
> enlarged our spill hole after that first flight.

Instead of shielding the whole capsule, why not just shield the necessary items directly, i.e. the Tiny Trak, etc. that require it.

> Another thing we have experienced is with our coax breaking (jacket and
> braid). We normally fly MJF j-poles and if we don't insulate the coax it
> will break at tied down spots.

This is more a layout and mechanical issue, I'd think. I'd assume that the coax is breaking due to the cold making it brittle. However, the coax shouldn't even be moving, expecially if you're trying to tie it down. I'd look at moving your tie-downs or providing more so that the coax does not move. Seems to me that should take care of that issue.

Bill B.

5331. Re: [EOSS] RF shielding

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-09 01:45:20 UTC
From: Mike Manes
Topic: 5294 Message: 5331

Hi Mark,

Mylar per se is a pretty low-loss dielcetric, and a thin film can make a pretty nice radome. However, if it's coated in aluminum, i.e. aluminized mylar, it should serve as a pretty effective RF shield from VHF up. Provided, of course, that there are no unbonded seams, and that's the tough part. Any gap over even a fraction of a wavelength long, regardless of how skinny it is, will act as a "slot antenna" and pass RF quite nicely, thenkyew.

Copper sheet is probably the most effective shielding material that's readily available, and the seams bond easily using solder. But it is heavy, unless you're using it as part of the package structure. If you can get ahold of some 0.032" 1 oz printed circuit board scraps from a local fab house, you might end up with the best of both worlds.

I've used kitchen-grade aluminum foil for shielding over foamcore structures with some success; I avoid the "slot antenna" issue by overlapping seams by at least 1/2" (this forms a "waveguide beyond cutoff") and/or by bonding on strips of Cu flashing which has been severely roughened using a center punch to make sharp-edged holes which bite thru the Al oxide to form a gas-tight bonded joint.

You're not the only one who's encountered EMC susceptibity with the TinyTrack. And shielding may not be the only treatment necessary; filtering and bypassing the leads entering the shield box may also be needed, and may even obviate the need for a full shield. It may also help to move the beacon antenna as far away as practical using well-shielded (i.e., not Rat Shack) coax. RG-141 is excellent and quite robust, albeit exquisitely expensive!

73 de Mike W5VSI, EOSS

Mark Conner wrote:
>
> I'm thinking about RF shielding for my next balloon payloads.
> The TinyTrak I use as a backup beacon especially has problems
> with RF.
>
> I stumbled on to this site through Google:
> http://www.lessemf.com/
>
> I was thinking about Mylar film as a possible RF shield, but
> there are a couple of other products I saw that might be better:
>

> Velostat film: No data on RF shielding performance, looks like
> more of an anti-static product. Cheap (~$5/yd^2)
> Flectron fabric: A nylon/copper/nickel woven fabric, rather
> expensive (~$50/yd^2).
>
> Anyone out there have their own recommendations for RF shielding
> of balloon payloads?
>
> 73 de Mark N9XTN
> ------
> Mark D. Conner
> E-mail: n9xtn@...
> Homepage: http://members.cox.net/mconner1
> "Arrogance and stupidity, all in the same package.....how
> efficient of you!" - Ambassador Londo Mollari, Babylon 5
>
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>
>
>
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--
Mike Manes manes@... Tel: 303-979-4899
"Things should be made as simple as possible, but not more so." A.
Einstein

5332. Re: [tvnsp] RF shielding

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-09 01:48:14 UTC
From: Mike Manes
Topic: 5294 Message: 5332

Paul,

Al duct tape will work, but it's more expensive than Al foil (I use Elmers to glue it to foamcore), and the adhesive is non-conductive in the hardware store variety. 3M does sell stuff with conductive adhesive, but if you go that route, may as well use their Cu material.

73 de Mike W5VSI

verhap@... wrote:
>
> > Flectron fabric: A nylon/copper/nickel woven fabric, rather
> > expensive (~$50/yd^2).
>
> Wow, I'll buy ten yards!
>
> Mark, what about aluminum tape? I've seen it at hardware stores, I
> think in plumbing.
>
> Paul
>
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>
>
>
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--
Mike Manes manes@... Tel: 303-979-4899
"Things should be made as simple as possible, but not more so." A. Einstein

5333. (Fwd) Space Grant meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-11 14:19:56 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5333 Message: 5333

A couple of students from U of I would like to visit with TVNSP. I'd like to arrange a presentation for them. Is the TVNSP interested in making this a little more formal? I'd like to show them the ropes. It would be like we did with the University of Montana in 2001.

Input?
Ideas?

Paul

------- Forwarded Message Follows -------
Paul,
When is a good time for me to come down to Boise and visit with your team for an informational/teaching time? There is a small chance I could come down next week on T-Th (Dec. 17-19), but most likely after break (after January 14th). Is there a weekend in particular relatively close to the beginningg of the semester that would be good for myself and possibly another student or two to come down? Let me, know and we'll try and coordinate schedules.
Thanks,
Mike Netzer

5334. Re: [tvnsp] (Fwd) Space Grant meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-11 17:56:05 UTC
From: Randy Farley
Topic: 5333 Message: 5334

Sounds good to me Paul. I would prefer to wait till after the Holidays. My agenda is pretty full till January.
I assume they need the whole enchilada in training, such as; tracking,forecasting,hardware,software,theory etc?

My petty thoughts anyway.

regards,

Randy
N7GPS

>>> verhap@...01.k12.id.us 12/11/02 07:19AM >>>
A couple of students from U of I would like to visit with TVNSP. I'd like to arrange a presentation for them. Is the TVNSP interested in making this a little more formal? I'd like to show them the ropes. It would be like we did with the University of Montana in 2001.

Input?
Ideas?

Paul

------- Forwarded Message Follows -------
Paul,
When is a good time for me to come down to Boise and visit with your team for an informational/teaching time? There is a small chance I could come down next week on T-Th (Dec. 17-19), but most likely after break (after January 14th). Is there a weekend in particular relatively close to the beginningg of the semester that would be good for myself and possibly another student or two to come down? Let me, know and we'll try and coordinate schedules.
Thanks,
Mike Netzer

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5335. Re: RF loss performance

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-11 20:24:04 UTC
From: Harry M
Topic: 5335 Message: 5335
Attachments: 1 described; binary payloads are missing from this source WARC

Here are the results of the Tripmate in my van.
The only mods to the Tripmate are the addition of
a 5v regulator and the Astral loopback. GPS was
powered from a 12v battery pack

I included only the GSV because it has the S/N.
I don't know of a sentence that has signal strength.

I have the other sentences if they are of any use.

Harry
KC5TRB

Fields 7, 11, 15, 19 > Signal to noise ratio (C/No) 0 to 99 dB

Tripmate out in the open!

SN SN SN SN
$GPGSV,3,1,10,27,70,337,40,31,59,069,42,13,48,199,40,08,46,316,38*72
$GPGSV,3,2,10,03,28,047,37,28,26,264,34,01,16,168,,11,14,142,*75
$GPGSV,3,3,10,02,13,067,,10,03,296,*76
$GPGSV,3,1,10,27,70,337,40,31,59,069,42,13,48,199,41,08,46,316,39*72
$GPGSV,3,2,10,03,28,047,37,28,26,264,35,01,16,168,,11,14,142,*74
$GPGSV,3,3,10,02,13,067,,10,03,296,*76
$GPGSV,3,1,10,27,70,337,39,31,59,069,42,13,48,199,41,08,46,316,38*7D
$GPGSV,3,2,10,03,28,047,37,28,26,264,34,01,16,168,,11,14,142,*75
$GPGSV,3,3,10,02,13,067,,10,03,296,*76
$GPGSV,3,1,10,27,70,337,40,31,59,069,42,13,48,199,40,08,46,316,38*72
$GPGSV,3,2,10,03,28,047,37,28,26,264,34,01,16,168,,11,14,142,*75
$GPGSV,3,3,10,02,13,067,,10,03,296,*76
$GPGSV,3,1,10,27,70,337,40,31,59,069,42,13,48,199,40,08,46,316,38*72
$GPGSV,3,2,10,03,28,047,36,28,26,264,34,01,16,168,,11,14,142,*74
$GPGSV,3,3,10,02,13,067,,10,03,296,*76
$GPGSV,3,1,10,27,70,337,40,31,59,069,42,13,48,199,40,08,46,316,38*72
$GPGSV,3,2,10,03,28,047,37,28,26,264,34,01,16,168,,11,14,142,*75
$GPGSV,3,3,10,02,13,067,,10,03,296,*76

Tripmate through fiberglass van top!

$GPGSV,3,1,10,27,66,332,41,31,62,077,41,13,52,202,40,08,42,314,42*74
$GPGSV,3,2,10,03,31,049,36,28,24,260,36,01,20,168,30,02,16,065,*74

```
$GPGSV,3,3,10,11,11,145,,10,04,300,*7E
$GPGSV,3,1,10,27,66,332,41,31,62,077,41,13,52,202,40,08,42,314,42*74
$GPGSV,3,2,10,03,31,049,37,28,24,260,36,01,20,168,31,02,16,065,*74
$GPGSV,3,3,10,11,11,145,,10,04,300,*7E
$GPGSV,3,1,10,27,66,332,41,31,62,077,41,13,52,202,41,08,42,314,42*75
$GPGSV,3,2,10,03,31,049,37,28,24,260,36,01,20,168,31,02,16,065,*74
$GPGSV,3,3,10,11,11,145,,10,04,300,*7E
$GPGSV,3,1,10,27,66,332,41,31,62,077,41,13,52,202,41,08,42,314,42*75
$GPGSV,3,2,10,03,31,049,37,28,24,260,36,01,20,168,29,02,16,065,*7D
$GPGSV,3,3,10,11,11,145,,10,04,300,*7E
$GPGSV,3,1,10,27,66,332,41,31,62,077,41,13,52,202,40,08,42,314,42*74
$GPGSV,3,2,10,03,31,049,37,28,24,260,36,01,20,168,30,02,16,065,*75
$GPGSV,3,3,10,11,11,145,,10,04,300,*7E
$GPGSV,3,1,10,27,66,332,41,31,62,077,41,13,52,202,40,08,42,314,42*74
$GPGSV,3,2,10,03,31,049,37,28,24,260,36,01,20,168,31,02,16,065,*74
$GPGSV,3,3,10,11,11,145,,10,04,300,*7E

------------------------------------------------------------------------

Tripmate inside van, 6" from carpet/wood/fiberglass roof!
---------------------------------------------------------

$GPGSV,3,1,10,27,68,334,38,31,60,073,42,13,50,200,37,08,44,315,39*7C
$GPGSV,3,2,10,03,29,048,37,28,25,262,36,01,18,168,29,02,15,066,*7D
$GPGSV,3,3,10,11,13,143,,10,04,298,*7A
$GPGSV,3,1,10,27,68,334,38,31,60,073,42,13,50,200,37,08,44,315,38*7D
$GPGSV,3,2,10,03,29,048,37,28,25,262,36,01,18,168,30,02,15,066,*75
$GPGSV,3,3,10,11,13,143,,10,04,298,*7A
$GPGSV,3,1,10,27,68,334,38,31,60,073,42,13,50,200,37,08,44,315,38*7D
$GPGSV,3,2,10,03,29,048,37,28,25,262,36,01,18,168,29,02,15,066,*7D
$GPGSV,3,3,10,11,13,143,,10,04,298,*7A
$GPGSV,3,1,10,27,68,334,38,31,60,073,42,13,50,200,37,08,44,315,38*7D
$GPGSV,3,2,10,03,29,048,37,28,25,262,36,01,18,168,30,02,15,066,*75
$GPGSV,3,3,10,11,13,143,,10,04,298,*7A
$GPGSV,3,1,10,27,68,334,38,31,60,073,42,13,50,200,36,08,44,315,38*7C
$GPGSV,3,2,10,03,29,048,37,28,25,262,36,01,18,168,31,02,15,066,*74
$GPGSV,3,3,10,11,13,143,,10,04,298,*7A
$GPGSV,3,1,10,27,68,334,38,31,60,073,42,13,50,200,36,08,44,315,38*7C
$GPGSV,3,2,10,03,29,048,37,28,25,262,37,01,18,168,31,02,15,066,*75
$GPGSV,3,3,10,11,13,143,,10,04,298,*7A
```

5336. Re: [tvnsp] (Fwd) Space Grant meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-11 23:24:17 UTC
From: John Knapp
Topic: 5333 Message: 5336

I agree with Randy, lets wait until after the
Holidays. We have a party/meeting coming up Saturday,
lets discuss how we want to work with UofI students.

My thoughts (limited as they are)
JohnK - the party goer.....

--- Randy Farley <rfarley@...> wrote:
> Sounds good to me Paul. I would prefer to wait till
> after the Holidays. My agenda is pretty full till
> January.
> I assume they need the whole enchilada in training,
> such
> as; tracking,forecasting,hardware,software,theory
> etc?
>
> My petty thoughts anyway.
>
> regards,
>
> Randy
> N7GPS
>
>
> >>> verhap@... 12/11/02 07:19AM >>>
> A couple of students from U of I would like to visit
> with TVNSP. I'd
> like to arrange a presentation for them. Is the
> TVNSP interested in
> making this a little more formal? I'd like to show
> them the ropes. It
> would be like we did with the University of Montana
> in 2001.
>
> Input?
> Ideas?
>
> Paul
>
> ------- Forwarded Message Follows -------
> Paul,
> When is a good time for me to come down to Boise and
> visit with your team
> for an informational/teaching time? There is a
> small chance I could come

> down next week on T-Th (Dec. 17-19), but most likely
> after break (after
> January 14th). Is there a weekend in particular
> relatively close to the
> beginningg of the semester that would be good for
> myself and possibly
> another student or two to come down? Let me, know
> and we'll try and
> coordinate schedules.
> Thanks,
> Mike Netzer
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to
> http://docs.yahoo.com/info/terms/
>

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http://mailplus.yahoo.com

5337. Fw: RF loss performance

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-11 23:31:09 UTC
From: Harry M
Topic: 5337 Message: 5337
Attachments: 1 described; binary payloads are missing from this source WARC

```
Here are the results of the Tripmate in my van.
The only mods to the Tripmate are the addition of
a 5v regulator and the Astral loopback. GPS was
powered from a 12v battery pack

I included only the GSV because it has the S/N.
I don't know of a sentence that has signal strength.

I have the other sentences if they are of any use.

Harry
KC5TRB

------

Fields 7, 11, 15, 19 > Signal to noise ratio (C/No) 0 to 99 dB

Tripmate out in the open!
-------------------------
SN SN SN SN
$GPGSV,3,1,10,27,70,337,40,31,59,069,42,13,48,199,40,08,46,316,38*72
$GPGSV,3,2,10,03,28,047,37,28,26,264,34,01,16,168,,11,14,142,*75
$GPGSV,3,3,10,02,13,067,,10,03,296,*76
$GPGSV,3,1,10,27,70,337,40,31,59,069,42,13,48,199,41,08,46,316,39*72
$GPGSV,3,2,10,03,28,047,37,28,26,264,35,01,16,168,,11,14,142,*74
$GPGSV,3,3,10,02,13,067,,10,03,296,*76
$GPGSV,3,1,10,27,70,337,39,31,59,069,42,13,48,199,41,08,46,316,38*7D
$GPGSV,3,2,10,03,28,047,37,28,26,264,34,01,16,168,,11,14,142,*75
$GPGSV,3,3,10,02,13,067,,10,03,296,*76
$GPGSV,3,1,10,27,70,337,40,31,59,069,42,13,48,199,40,08,46,316,38*72
$GPGSV,3,2,10,03,28,047,37,28,26,264,34,01,16,168,,11,14,142,*75
$GPGSV,3,3,10,02,13,067,,10,03,296,*76
$GPGSV,3,1,10,27,70,337,40,31,59,069,42,13,48,199,40,08,46,316,38*72
$GPGSV,3,2,10,03,28,047,36,28,26,264,34,01,16,168,,11,14,142,*74
$GPGSV,3,3,10,02,13,067,,10,03,296,*76
$GPGSV,3,1,10,27,70,337,40,31,59,069,42,13,48,199,40,08,46,316,38*72
$GPGSV,3,2,10,03,28,047,37,28,26,264,34,01,16,168,,11,14,142,*75
$GPGSV,3,3,10,02,13,067,,10,03,296,*76

---------------------------------------------------------------------

Tripmate through fiberglass van top!
------------------------------------

$GPGSV,3,1,10,27,66,332,41,31,62,077,41,13,52,202,40,08,42,314,42*74
$GPGSV,3,2,10,03,31,049,36,28,24,260,36,01,20,168,30,02,16,065,*74
```

```
$GPGSV,3,3,10,11,11,145,,10,04,300,*7E
$GPGSV,3,1,10,27,66,332,41,31,62,077,41,13,52,202,40,08,42,314,42*74
$GPGSV,3,2,10,03,31,049,37,28,24,260,36,01,20,168,31,02,16,065,*74
$GPGSV,3,3,10,11,11,145,,10,04,300,*7E
$GPGSV,3,1,10,27,66,332,41,31,62,077,41,13,52,202,41,08,42,314,42*75
$GPGSV,3,2,10,03,31,049,37,28,24,260,36,01,20,168,31,02,16,065,*74
$GPGSV,3,3,10,11,11,145,,10,04,300,*7E
$GPGSV,3,1,10,27,66,332,41,31,62,077,41,13,52,202,41,08,42,314,42*75
$GPGSV,3,2,10,03,31,049,37,28,24,260,36,01,20,168,29,02,16,065,*7D
$GPGSV,3,3,10,11,11,145,,10,04,300,*7E
$GPGSV,3,1,10,27,66,332,41,31,62,077,41,13,52,202,40,08,42,314,42*74
$GPGSV,3,2,10,03,31,049,37,28,24,260,36,01,20,168,30,02,16,065,*75
$GPGSV,3,3,10,11,11,145,,10,04,300,*7E
$GPGSV,3,1,10,27,66,332,41,31,62,077,41,13,52,202,40,08,42,314,42*74
$GPGSV,3,2,10,03,31,049,37,28,24,260,36,01,20,168,31,02,16,065,*74
$GPGSV,3,3,10,11,11,145,,10,04,300,*7E

------------------------------------------------------------------------

Tripmate inside van, 6" from carpet/wood/fiberglass roof!
---------------------------------------------------------

$GPGSV,3,1,10,27,68,334,38,31,60,073,42,13,50,200,37,08,44,315,39*7C
$GPGSV,3,2,10,03,29,048,37,28,25,262,36,01,18,168,29,02,15,066,*7D
$GPGSV,3,3,10,11,13,143,,10,04,298,*7A
$GPGSV,3,1,10,27,68,334,38,31,60,073,42,13,50,200,37,08,44,315,38*7D
$GPGSV,3,2,10,03,29,048,37,28,25,262,36,01,18,168,30,02,15,066,*75
$GPGSV,3,3,10,11,13,143,,10,04,298,*7A
$GPGSV,3,1,10,27,68,334,38,31,60,073,42,13,50,200,37,08,44,315,38*7D
$GPGSV,3,2,10,03,29,048,37,28,25,262,36,01,18,168,29,02,15,066,*7D
$GPGSV,3,3,10,11,13,143,,10,04,298,*7A
$GPGSV,3,1,10,27,68,334,38,31,60,073,42,13,50,200,37,08,44,315,38*7D
$GPGSV,3,2,10,03,29,048,37,28,25,262,36,01,18,168,30,02,15,066,*75
$GPGSV,3,3,10,11,13,143,,10,04,298,*7A
$GPGSV,3,1,10,27,68,334,38,31,60,073,42,13,50,200,36,08,44,315,38*7C
$GPGSV,3,2,10,03,29,048,37,28,25,262,36,01,18,168,31,02,15,066,*74
$GPGSV,3,3,10,11,13,143,,10,04,298,*7A
$GPGSV,3,1,10,27,68,334,38,31,60,073,42,13,50,200,36,08,44,315,38*7C
$GPGSV,3,2,10,03,29,048,37,28,25,262,37,01,18,168,31,02,15,066,*75
$GPGSV,3,3,10,11,13,143,,10,04,298,*7A
```

5338. Party - Party

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-11 23:47:36 UTC
From: John Knapp
Topic: 5333 Message: 5338

Hi TVNSP

Just a reminder that we are having the Christmas/work party this Saturday. If you haven't sent me an e-mail but can attend it isn't too late.

The work party will start at 2pm. The dinner around 5pm. We are really looking forward to having everyone here.

Just a FYI. They are doing major work on the road south of our house. Right now the road is closed coming from that direction. Supposedly it is to be open this weekend. We will keep everyone posted on the progress. You may have to come in from the next north mile section which would be McMillian, and then turn south. John will be monitoring the 24 repeater if anyone needs directions.

Deb and John

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http://mailplus.yahoo.com

5339. Re: [tvnsp] (Fwd) Space Grant meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-12 14:25:36 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5333 Message: 5339

> Sounds good to me Paul. I would prefer to wait till after the Holidays. My agenda is pretty full till January.
> I assume they need the whole enchilada in training, such
> as; tracking,forecasting,hardware,software,theory etc?

Right. But I don't think we need go into deep detail. This just
needs to introduce them to what's involved.

Paul

5340. Re: [tvnsp] (Fwd) Space Grant meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-12 15:12:33 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5333 Message: 5340

> I agree with Randy, lets wait until after the
> Holidays. We have a party/meeting coming up Saturday,
> lets discuss how we want to work with UofI students.

That will be our plan.

Paul

5341. Re: [tvnsp] Re: RF loss performance

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-12 16:42:12 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5335 Message: 5341

Harry, I'd like to include your results in my book. I'll give you credit
for the numbers. Is that alright with you?

Paul

> Here are the results of the Tripmate in my van.
> The only mods to the Tripmate are the addition of
> a 5v regulator and the Astral loopback. GPS was
> powered from a 12v battery pack
>
> I included only the GSV because it has the S/N.
> I don't know of a sentence that has signal strength.
>
> I have the other sentences if they are of any use.
>
> Harry
> KC5TRB
>
> ------
>
>
>
> Fields 7, 11, 15, 19 > Signal to noise ratio (C/No) 0 to 99 dB
>
>
> Tripmate out in the open!
> ------------------------
> SN SN SN SN
> $GPGSV,3,1,10,27,70,337,40,31,59,069,42,13,48,199,40,08,46,316,38*72
> $GPGSV,3,2,10,03,28,047,37,28,26,264,34,01,16,168,,11,14,142,*75
> $GPGSV,3,3,10,02,13,067,,10,03,296,*76
> $GPGSV,3,1,10,27,70,337,40,31,59,069,42,13,48,199,41,08,46,316,39*72
> $GPGSV,3,2,10,03,28,047,37,28,26,264,35,01,16,168,,11,14,142,*74
> $GPGSV,3,3,10,02,13,067,,10,03,296,*76
> $GPGSV,3,1,10,27,70,337,39,31,59,069,42,13,48,199,41,08,46,316,38*7D
> $GPGSV,3,2,10,03,28,047,37,28,26,264,34,01,16,168,,11,14,142,*75
> $GPGSV,3,3,10,02,13,067,,10,03,296,*76
> $GPGSV,3,1,10,27,70,337,40,31,59,069,42,13,48,199,40,08,46,316,38*72
> $GPGSV,3,2,10,03,28,047,37,28,26,264,34,01,16,168,,11,14,142,*75
> $GPGSV,3,3,10,02,13,067,,10,03,296,*76
> $GPGSV,3,1,10,27,70,337,40,31,59,069,42,13,48,199,40,08,46,316,38*72
> $GPGSV,3,2,10,03,28,047,36,28,26,264,34,01,16,168,,11,14,142,*74
> $GPGSV,3,3,10,02,13,067,,10,03,296,*76
> $GPGSV,3,1,10,27,70,337,40,31,59,069,42,13,48,199,40,08,46,316,38*72
> $GPGSV,3,2,10,03,28,047,37,28,26,264,34,01,16,168,,11,14,142,*75

> $GPGSV,3,3,10,02,13,067,,10,03,296,*76
>
> ---
>
> Tripmate through fiberglass van top!
> -----------------------------------
>
> $GPGSV,3,1,10,27,66,332,41,31,62,077,41,13,52,202,40,08,42,314,42*74
> $GPGSV,3,2,10,03,31,049,36,28,24,260,36,01,20,168,30,02,16,065,*74
> $GPGSV,3,3,10,11,11,145,,10,04,300,*7E
> $GPGSV,3,1,10,27,66,332,41,31,62,077,41,13,52,202,40,08,42,314,42*74
> $GPGSV,3,2,10,03,31,049,37,28,24,260,36,01,20,168,31,02,16,065,*74
> $GPGSV,3,3,10,11,11,145,,10,04,300,*7E
> $GPGSV,3,1,10,27,66,332,41,31,62,077,41,13,52,202,41,08,42,314,42*75
> $GPGSV,3,2,10,03,31,049,37,28,24,260,36,01,20,168,31,02,16,065,*74
> $GPGSV,3,3,10,11,11,145,,10,04,300,*7E
> $GPGSV,3,1,10,27,66,332,41,31,62,077,41,13,52,202,41,08,42,314,42*75
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> $GPGSV,3,2,10,03,31,049,37,28,24,260,36,01,20,168,30,02,16,065,*75
> $GPGSV,3,3,10,11,11,145,,10,04,300,*7E
> $GPGSV,3,1,10,27,66,332,41,31,62,077,41,13,52,202,40,08,42,314,42*74
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> $GPGSV,3,3,10,11,11,145,,10,04,300,*7E
>
> ---
>
> Tripmate inside van, 6" from carpet/wood/fiberglass roof!
> --
>
> $GPGSV,3,1,10,27,68,334,38,31,60,073,42,13,50,200,37,08,44,315,39*7C
> $GPGSV,3,2,10,03,29,048,37,28,25,262,36,01,18,168,29,02,15,066,*7D
> $GPGSV,3,3,10,11,13,143,,10,04,298,*7A
> $GPGSV,3,1,10,27,68,334,38,31,60,073,42,13,50,200,37,08,44,315,38*7D
> $GPGSV,3,2,10,03,29,048,37,28,25,262,36,01,18,168,30,02,15,066,*75
> $GPGSV,3,3,10,11,13,143,,10,04,298,*7A
> $GPGSV,3,1,10,27,68,334,38,31,60,073,42,13,50,200,37,08,44,315,38*7D
> $GPGSV,3,2,10,03,29,048,37,28,25,262,36,01,18,168,29,02,15,066,*7D
> $GPGSV,3,3,10,11,13,143,,10,04,298,*7A
> $GPGSV,3,1,10,27,68,334,38,31,60,073,42,13,50,200,37,08,44,315,38*7D
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> $GPGSV,3,3,10,11,13,143,,10,04,298,*7A
> $GPGSV,3,1,10,27,68,334,38,31,60,073,42,13,50,200,36,08,44,315,38*7C
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> $GPGSV,3,2,10,03,29,048,37,28,25,262,37,01,18,168,31,02,15,066,*75
> $GPGSV,3,3,10,11,13,143,,10,04,298,*7A
>

>
>
>
>

5342. APRS Settings

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-12 17:00:21 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5342 Message: 5342

Mike, is the webpage from old site about all the settings (the gotchas) for APRS on the new site? The one I'm talking about is the settings we discovered with Stphanie and Randy's help back in 2000.

Paul

5343. Re: [tvnsp] Re: RF loss performance

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-12 17:34:17 UTC
From: Harry M
Topic: 5335 Message: 5343

No problem Paul!
If you need more let me know.

I wish I could provide the thickness of the carpet,
wood and fiberglass. Just no way to get a measurement.
If I can find a wreck to get them from I'll send you
the numbers.

Harry

> Harry, I'd like to include your results in my book. I'll give you credit
> for the numbers. Is that alright with you?

5344. Re: [tvnsp] Re: RF loss performance

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-12 19:09:45 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5335 Message: 5344

> No problem Paul!
> If you need more let me know.
>
> I wish I could provide the thickness of the carpet,
> wood and fiberglass. Just no way to get a measurement.
> If I can find a wreck to get them from I'll send you
> the numbers.

I'll state that these numbers are for an average car.

Paul

5345. Re: [tvnsp] APRS Settings

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-12 19:31:02 UTC
From: Randy Farley
Topic: 5342 Message: 5345

I think we need to review some of the minimul APRS+ settings.
I have noticed we are not transmitting our tracker positions in
a timely manner back to net controls and other lurkers out
there. Some mapping activation features need to be reviewed
and shared among members also. Time to compare notes on this
again.

Back to my pot luck dinner at work..yum (in training for the Holidays) ;)

Randy

>>> verhap@... 12/12/02 10:00AM >>>
Mike, is the webpage from old site about all the settings (the
gotchas) for APRS on the new site? The one I'm talking about is
the settings we discovered with Stphanie and Randy's help back in
2000.

Paul

To unsubscribe from this group, send an email to:
tvnsp-unsubscribe@egroups.com

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5346. Re: [tvnsp] APRS Settings

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-12 19:46:49 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5342 Message: 5346

> I think we need to review some of the minimul APRS+ settings.
> I have noticed we are not transmitting our tracker positions in
> a timely manner back to net controls and other lurkers out
> there. Some mapping activation features need to be reviewed
> and shared among members also. Time to compare notes on this
> again.

So where are the original suggestions????

Paul

5347. Re: [tvnsp] APRS Settings

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-12 20:52:32 UTC
From: Randy Farley
Topic: 5342 Message: 5347

Here they is.

http://www.voiceofidaho.org/tvnsp/track.htm

regards,

Randy

>>> verhap@... 12/12/02 12:46PM >>>
> I think we need to review some of the minimul APRS+ settings.
> I have noticed we are not transmitting our tracker positions in
> a timely manner back to net controls and other lurkers out
> there. Some mapping activation features need to be reviewed
> and shared among members also. Time to compare notes on this
> again.

So where are the original suggestions????

Paul

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5348. Re: Party - Party

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-13 02:50:21 UTC
From: jiminy_cricket41 <jiminy_cricket41@yahoo
Topic: 5333 Message: 5348

hey

my car's in the shop right now, so I doubt that I'll be able
to make it, unfortunately! :-(I really wanted to come, too --
if it gets fixed by then, I'll let you know. Otherwise, I'll
probably be able to make it to those classes in january.

Srry about that!

David

5349. Re: [tvnsp] Re: Party - Party

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-13 14:32:10 UTC
From: Doug Rich
Topic: 5333 Message: 5349

Madge and I will be there tomorrow. Please let me know what you want us to bring (pot luck (lick))? I may have to look back in other emails to see the directions. Thanks
Doug W7DVR

At 02:50 AM 12/13/02 +0000, you wrote:
>hey
>
>my car's in the shop right now, so I doubt that I'll be able
>to make it, unfortunately! :-(I really wanted to come, too --
>if it gets fixed by then, I'll let you know. Otherwise, I'll
>probably be able to make it to those classes in january.
>
>Srry about that!
>
>David
>
>
>
>
>To unsubscribe from this group, send an email to:
>tvnsp-unsubscribe@egroups.com
>
>
>
>Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

5350. Balloon Track

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-13 15:00:20 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5350 Message: 5350

After our last flight, I have an even greater interest in using Balloon Track during flights. I downloaded the manual the Rick put together and started reading it. I still have a question about making inflight predictions with it. Justin, is this the steps you followed on TV02H?

Start Balloon Track
Click on the Packet Data menu
Select Packet Terminal
Enter the target callsign (in this case KD4STH-11)
Click the Target Capture button

Wait until balloon burst

Click the Extract Data button

I'll download a new copy to play with, but without a flight to try it on and no APRS tracker, I'm a little hard pressed to try it out.

I'm adding another section to the book under the Chase and Recovery chapter to discuss using Balloon Track during the chase. I think TVNSP ought to make it a standard that we use Balloon Track and APRS+ SA on each chase.

Paul

5351. TVNSP APRS Setup

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-13 15:04:49 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5351 Message: 5351

I'm adding the documented TVNSP APRS setup tio the end of this email (as I'm also writing it into the book). Please look it over and see if we need to add or change something. I know we want to limit beaconing of positions to about once per minute. What is the command to do that?

Thanks,
Paul

****
Suggested APRS Setting
These are the APRS setting used by TVNSP Chase Crews.

SETUP
Main Parameters Tab
Callsign: Enter your callsign
Lat: Enter your latitude in decimal degrees
Long: Enter your longitude in decimal degrees

Port 1 TNC
Baud: Enter your TNC baud rate (normally 1200)
Port: 1 Com1

Port 2 GPS
Baud: 4800
Port: 2 Com2: (or 1 Com1: if using a HSP)

TNC Configuration *
Select your TNC□s initialization settings
Note: INITKAM works for KPC2
INITKPC

Via: RELAY,WIDE3-3

Lists Tab
Click Only Track This List

Program Tab
Click SA4 (or your version of Street Atlas)
Click Turn pause off after menu action on position page

Close Setup Window

COMMANDS
Map Features
APRS Tab
Click Include Track Lines

Click Bring SA to the front on new map
Click Include callsigns

Center And Mag Tab
Max Mag: 10
Min Mag: 14

Click OK button

COMMANDS
Clear
Click Remove Lat/Long = 0 90 180

COMMANDS
Click Start Street Atlas

COMMANDS
TNC Commands
Tripmate or Garmin
Click Initialize the GPS

Do not to beacon chase positions too frequently. You primarily want telemetry from the near spacecraft, not from the car behind you. Beaconing positions every minute or two should be fine.

* TNC configuration files are text files containing TNC commands for each particular TNC.

5352. Re: [tvnsp] APRS Settings

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-13 15:09:40 UTC
From: Stephanie Steele
Topic: 5342 Message: 5352

http://www.nwaprs.org

verhap@... wrote:

> Mike, is the webpage from old site about all the settings (the
> gotchas) for APRS on the new site? The one I'm talking about is
> the settings we discovered with Stphanie and Randy's help back in
> 2000.
>
> Paul
>
> *Yahoo! Groups Sponsor*
> ADVERTISEMENT
> <http://rd.yahoo.com/M=226671.2265556.3698777.1925585/D=egroupweb/S=1705083281:HM/A=1269253/R=0/*http://shop.store.yahoo.com/cgi-bin/clink?sharperimage-best+tzAg9u:dmad/M=226671.2265556.3698777.1925585/D=egroupweb/S=1705083281:HM/A=1269253/R=1/1039712440+si637.html>
>
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
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>
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> <http://docs.yahoo.com/info/terms/>.

5353. Re: [tvnsp] Re: Party - Party

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-13 15:33:43 UTC
From: Stephanie Steele
Topic: 5333 Message: 5353

Please re-post directions to the party tomorrow. Also, remind me what
besides the assigned food items we need to bring. Thanks.

Stephanie

Doug Rich wrote:

> *Madge and I will be there tomorrow. Please let me know what you want
> us to bring (pot luck (lick))? I may have to look back in other
> emails to see the directions. Thanks
> Doug W7DVR
>
> *At 02:50 AM 12/13/02 +0000, you wrote:
>
>> hey
>>
>> my car's in the shop right now, so I doubt that I'll be able
>> to make it, unfortunately! :-(I really wanted to come, too --
>> if it gets fixed by then, I'll let you know. Otherwise, I'll
>> probably be able to make it to those classes in january.
>>
>> Srry about that!
>>
>> David
>>
>>
>>
>>
>> To unsubscribe from this group, send an email to:
>> tvnsp-unsubscribe@egroups.com
>>
>>
>>
>> Your use of Yahoo! Groups is subject tohttp://docs.yahoo.com/info/terms/
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>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
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> Your use of Yahoo! Groups is subject to the Yahoo! Terms of Service
> <http://docs.yahoo.com/info/terms/>.

5354. Re: [tvnsp] TVNSP APRS Setup

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-13 16:06:20 UTC
From: Randy Farley
Topic: 5351 Message: 5354

Paul

You want to click on "Flight Analysis" .
You can als open any of the other viewing tools while the flight is
in progress.

From the flight analysis screen you can run "scan map" and
watch the track on a bitmap that you create. If i had the
money here, i would love to have "Mappoint" so this feature
works directly with the moving map program from MS.

I can send you the last flight log to run in "simulation mode"
from packet data/packet terminal/file/open simulation,if you dont't have it.
Make sure you set specify a com port in packet setup.
No tnc required in simulation.
I also have a bitmap for the flight. It is not calibrated precisely.
but it give you the idea of the progress of the flight.

All future net control operators should learn this nice feature in
BT. Don't know why we overlooked it in the past.
Too much to learn i guess ;(
Of course you will have to run two radios and tnc's if you want
to run SA and BT packet at the same time. That is why i let
Justin run the BT packet terminal on his fancy new Dell laptop
and i ran SA+ on my old clunker (Santa are you reading this?) ;)

Justin can give you more details or wait till party and he can demo.

>>> verhap@... 12/13/02 08:04AM >>>
I'm adding the documented TVNSP APRS setup tio the end of this
email (as I'm also writing it into the book). Please look it over and
see if we need to add or change something. I know we want to
limit beaconing of positions to about once per minute. What is the
command to do that?

Thanks,
Paul

****
Suggested APRS Setting
These are the APRS setting used by TVNSP Chase Crews.

SETUP
Main Parameters Tab
Callsign: Enter your callsign
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Long: Enter your longitude in decimal degrees

Port 1 TNC
Baud: Enter your TNC baud rate (normally 1200)
Port: 1 Com1

Port 2 GPS
Baud: 4800
Port: 2 Com2: (or 1 Com1: if using a HSP)

TNC Configuration *
Select your TNC's initialization settings
Note: INITKAM works for KPC2
INITKPC

Via: RELAY,WIDE3-3

Lists Tab
Click Only Track This List

Program Tab
Click SA4 (or your version of Street Atlas)
Click Turn pause off after menu action on position page

Close Setup Window

COMMANDS
Map Features
APRS Tab
Click Include Track Lines
Click Bring SA to the front on new map
Click Include callsigns

Center And Mag Tab
Max Mag: 10
Min Mag: 14

Click OK button

COMMANDS
Clear
Click Remove Lat/Long = 0 90 180

COMMANDS
Click Start Street Atlas

COMMANDS
TNC Commands
Tripmate or Garmin
Click Initialize the GPS

Do not to beacon chase positions too frequently. You primarily
want telemetry from the near spacecraft, not from the car behind
you. Beaconing positions every minute or two should be fine.

* TNC configuration files are text files containing TNC
commands for each particular TNC.

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5355. Re: Balloon Track

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-13 16:12:48 UTC
From: Justin Formolo <J_Formolo@msn.com>
Topic: 5350 Message: 5355

Paul,

The steps that you mentioned is the process I followed. I downloaded the same manual and read up on it prior to this last launch and decided to try it out. As for the unexplained landing prediction, I'm still puzzled by it. The only thing I can think happened is that the program used a NWS prediction that we did the night before, perhaps corrupting the landing calculation.

You can still use Packet Terminal without a "real" launch. Just take past data and use the simulation mode that Randy mentioned a month earlier. You can pretend that your flying a balloon then after burst, run the post-burst prediction. At least with this, you can see predicted landings with acual landings, without putting any capsules in harms way!

> I'm adding another section to the book under the Chase and
> Recovery chapter to discuss using Balloon Track during the chase.

This is good. Randy and I were playing with the idea of using this program as a helpful resource for TVNSP. It was more of a "gee whiz, I wonder what this does?" Funny that everyone had this program on their computers and never knew what it was. You mentioning it and maybe a future class will definitly be helpful.

> I think TVNSP ought to make it a standard that we use Balloon
> Track and APRS+ SA on each chase.

Only problem is that no one person can run both programs on one computer. Both APRS+ and Packet terminal use their own individual COM ports for info. Unless someone has two radios, two TNCs, two COM ports, and enough horsepower on their laptop,you can only run one at a time. I was talking to Randy about perhaps taking a D7 and use a Y cable to split the data cable into two lines then input each into their own COM port. I don't know if this would work but that's why they invented experimentation. We definitly need one person mobile running pack term AS WELL AS a base station. This way you can see if two predictions correspond.

Justin

5356. Re: Balloon Track

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-13 16:20:16 UTC
From: Justin Formolo <J_Formolo@msn.com>
Topic: 5350 Message: 5356

I just got Randy's latest post. Sorry for any redundant info.

Justin

5357. Re: [tvnsp] TVNSP APRS Setup

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-13 16:13:47 UTC
From: Bill Herrmann
Topic: 5351 Message: 5357

At 08:04 AM 12/13/02 -0700, Paul wrote:
>Via: RELAY,WIDE3-3

In your book you should point out that the "correct" path varies by region. If you use RELAY in the SouthWest you won't get anywhere because they don't support it. There are other variations across the country.

>Do not to beacon chase positions too frequently. You primarily
>want telemetry from the near spacecraft, not from the car behind
>you. Beaconing positions every minute or two should be fine.

Since you're targeting this for APRS+SA don't set your position rate to X minutes. Instead use smart beaconing and get the best of both worlds.

Smart beaconing sends positions at a rate that is related to your speed. It also does corner pegging so it sends a position when you've turned a corner. It's designed for getting really good tracking data with minimal packets.

Bill

5358. Re: [tvnsp] TVNSP APRS Setup

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-13 16:27:44 UTC
From: Bill Herrmann
Topic: 5351 Message: 5358

At 09:06 AM 12/13/02 -0700, Randy wrote:
>Of course you will have to run two radios and tnc's if you want
>to run SA and BT packet at the same time.

We should be able to split out the data cable from the TNC since BT should work with receive only data.. You could also piggyback 2 TNCs on one radio. There's probably a way to get both to work on one laptop at the same time, but mine doesn't have enough power for that either.

Bill

5359. [tvnsp] Re: Balloon Track

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-13 16:33:42 UTC
From: Randy Farley
Topic: 5350 Message: 5359

Redundancy is good ;)
Was not sure if you were around Justin. Had not heard
from you in awhile. Figured UPS and school owned you
right now.

regards,

Randy

>>> J_Formolo@... 12/13/02 09:20AM >>>
I just got Randy's latest post. Sorry for any redundant info.

Justin

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5360. Re: [tvnsp] TVNSP APRS Setup

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-13 16:51:05 UTC
From: Randy Farley
Topic: 5351 Message: 5360

Good point Bill

Can we do that with a y-cable into another
serial port for BT or do we have to do the HSP sharing thing ?

I have enough problems keeping one port running sometimes ;)

Two tnc's makes for more hardware space requirements
so i prefer your first idea.

regards,

Randy

>>> bherrman@... 12/13/02 09:27AM >>>
At 09:06 AM 12/13/02 -0700, Randy wrote:
>Of course you will have to run two radios and tnc's if you want
>to run SA and BT packet at the same time.

We should be able to split out the data cable from the TNC since BT should
work with receive only data.. You could also piggyback 2 TNCs on one radio.
There's probably a way to get both to work on one laptop at the same time,
but mine doesn't have enough power for that either.

Bill

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5361. Re: [tvnsp] Re: Party - Party

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-13 17:02:37 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5333 Message: 5361

We're modifying DJ-S11s and making some antennas. Bring any
of that thin coax. Also, can you bring your little digital camera? I'd
like to look into opening it up.

Paul

> Please re-post directions to the party tomorrow. Also, remind me what
> besides the assigned food items we need to bring. Thanks.
>
> Stephanie
>
>
> Doug Rich wrote:
>
> > *Madge and I will be there tomorrow. Please let me know what you want
> > us to bring (pot luck (lick))? I may have to look back in other
> > emails to see the directions. Thanks
> > Doug W7DVR
> >
> > *At 02:50 AM 12/13/02 +0000, you wrote:
> >
> >> hey
> >>
> >> my car's in the shop right now, so I doubt that I'll be able
> >> to make it, unfortunately! :-(I really wanted to come, too --
> >> if it gets fixed by then, I'll let you know. Otherwise, I'll
> >> probably be able to make it to those classes in january.
> >>
> >> Srry about that!
> >>
> >> David
> >>
> >>
> >>
> >>
> >> To unsubscribe from this group, send an email to:
> >> tvnsp-unsubscribe@egroups.com
> >>
> >>
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>

5362. Re: [tvnsp] Re: Balloon Track

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-13 17:04:50 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5350 Message: 5362

> > I think TVNSP ought to make it a standard that we use Balloon
> > Track and APRS+ SA on each chase.
>
> Only problem is that no one person can run both programs on one
> computer. Both APRS+ and Packet terminal use their own individual
> COM ports for info. Unless someone has two radios, two TNCs, two COM
> ports, and enough horsepower on their laptop,you can only run one at
> a time. I was talking to Randy about perhaps taking a D7 and use a Y
> cable to split the data cable into two lines then input each into
> their own COM port. I don't know if this would work but that's why
> they invented experimentation. We definitly need one person mobile
> running pack term AS WELL AS a base station. This way you can see if
> two predictions correspond.

I was thinking of at least two chase vehicles equiped with tracking
equipment, one with APRS and the second with Balloon Track with
the option of switching to APRS should the first one fail.

Paul

5363. Re: [tvnsp] TVNSP APRS Setup

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-13 17:06:36 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5351 Message: 5363

> From the flight analysis screen you can run "scan map" and
> watch the track on a bitmap that you create. If i had the
> money here, i would love to have "Mappoint" so this feature
> works directly with the moving map program from MS.

I read about that. Unlike APRS though, you can't zoom in and get
all the details.

Rick has done a real bang-up job on Balloon Track. At this rate,
his Balloon Track will replace APRS + for near space work.

Paul

5364. Re: [tvnsp] TVNSP APRS Setup

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-13 17:07:50 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5351 Message: 5364

> Since you're targeting this for APRS+SA don't set your position rate to X
> minutes. Instead use smart beaconing and get the best of both worlds.
>
> Smart beaconing sends positions at a rate that is related to your speed. It
> also does corner pegging so it sends a position when you've turned a
> corner. It's designed for getting really good tracking data with minimal
> packets.

Sounds good. What's the commands?

Paul

5365. Re: [tvnsp] Re: Party - Party

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-13 17:17:30 UTC
From: John Knapp
Topic: 5333 Message: 5365

Doug, please bring a main dish and a salad.

The address is 1740 Paradise Ln.
Meridian, Id 83642

The way to the house depends on the direction you are coming from. To make matters more complicated, Locust Grove just south of Paradise Ln. has been closed due to construction, should be open tomorrow but who knows?

So here goes:

If you are coming in from the freeway (either east or west bound) take the Eagle Rd. exit (Exit 46?). Turn North on Eagle, you will pass Franklin Rd, Fairview Rd, and Ustick Rd. Turn west on McMillian Rd. I belived this is the sixth stop light from the freeway. On McMillian, go one mile west. There is a 4-way stop sign with Locust Grove. Turn south (left). Paradise Ln will be on on the left hand side of the road, just pass Star Ln (will be a shade over a half mile from McMillian). We are the third house on the left, counting the house on the corner. The house is a split level. There will be a lighted angle in the front yard. If it is dark there will be lots of lights on.

If you come up from Chinden Rd., turn South on Locust Grove. Continue past the 4 way stop with McMillian. The above instructions will work past that point.

I hope this answers the questions on how to get to the house. I will also be monitoring the 24 repeater with my Hand Held, if you are lost or confused call me (KD7HGS) and I will see what I can do.

John and Deb

--- Doug Rich <doug@...> wrote:
> Madge and I will be there tomorrow. Please let me
> know what you want us to
> bring (pot luck (lick))? I may have to look back in
> other emails to see
> the directions. Thanks
> Doug W7DVR
>

Do you Yahoo!?
Yahoo! Mail Plus - Powerful. Affordable. Sign up now.
http://mailplus.yahoo.com

5366. Re: [tvnsp] TVNSP APRS Setup

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-13 17:24:23 UTC
From: Randy Farley
Topic: 5351 Message: 5366

regards,

Randy

>>> verhap@... 12/13/02 10:06AM >>>
> From the flight analysis screen you can run "scan map" and
> watch the track on a bitmap that you create. If i had the
> money here, i would love to have "Mappoint" so this feature
> works directly with the moving map program from MS.

I read about that. Unlike APRS though, you can't zoom in and get
all the details.

This is true. I just mentioned it in case someone does not have a
mapping program. Topo bitmaps and areial photos are kinda of cool
to play with here too.
Mappoint mapping would take care of this problem
it just costs more money. Rick's website points out we can get it
for $150 with the purchase of APRSpoint (another APRS program)

Wow, i just checked the web and the author has a killer deal now.
http://www.aprspoint.com/

Who wants to be the first on the block to go this route?
My computers are too slow for this.

Rick has done a real bang-up job on Balloon Track. At this rate,
his Balloon Track will replace APRS + for near space work.

That is what i have been thinking. He is a great guy to work with.
I had some issues running Win95 and BT and he helped me fix them.

Paul

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5367. Re: [tvnsp] TVNSP APRS Setup

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-13 17:59:46 UTC
From: Randy Farley
Topic: 5351 Message: 5367

regards,

Randy

>>> verhap@... 12/13/02 08:04AM >>>
I'm adding the documented TVNSP APRS setup tio the end of this
email (as I'm also writing it into the book). Please look it over and
see if we need to add or change something. I know we want to
limit beaconing of positions to about once per minute. What is the
command to do that?

See my suggestion in BOLD below:

Thanks,
Paul

****
Suggested APRS Setting
These are the APRS setting used by TVNSP Chase Crews.

SETUP
Main Parameters Tab
Callsign: Enter your callsign
Lat: Enter your latitude in decimal degrees
Long: Enter your longitude in decimal degrees Make sure a negative is entered here.

Port 1 TNC
Baud: Enter your TNC baud rate (normally 1200)
Port: 1 Com1 This will vary,mine is 4.

Port 2 GPS
Baud: 4800
Port: 2 Com2: (or 1 Com1: if using a HSP)

TNC Configuration *
Select your TNC's initialization settings
Note: INITKAM works for KPC2
INITKPC

Via: RELAY,WIDE3-3

Lists Tab
Click Only Track This List

Program Tab
Click SA4 (or your version of Street Atlas)
Click Turn pause off after menu action on position page

Click Position Page Update on NEW positions only.
This prevents screen flickering on the "position" page from all the other stations being digied. At least it helps onslow latptops like mine.

Fill in the "Agent Character" box if you are running MSN's text to speech add-on.
Mine is "Peedy".

Close Setup Window

COMMANDS
Map Features
APRS Tab
Click Include Track Lines
Click Bring SA to the front on new map
Click Include callsigns Do we need this? Adds more clutter to the map. Mine is unchecked and i get the callsign ok without the extra "mapnote"

Center And Mag Tab
Max Mag: 10
Min Mag: 14
Check "Locate function ignore fixed center" if you want to keep track of the chase crew and their relationship to the balloon on the map. Jeff and i discovered this on the last flight.
Not important if you are just interested in the balloon.

Click OK button

COMMANDS
Clear
Click Remove Lat/Long = 0 90 180

COMMANDS
Click Start Street Atlas

COMMANDS
TNC Commands
Tripmate or Garmin
Click Initialize the GPS

Do not to beacon chase positions too frequently. You primarily want telemetry from the near spacecraft, not from the car behind you. Beaconing positions every minute or two should be fine.

* TNC configuration files are text files containing TNC commands for each particular TNC.

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5368. Re: [EOSS] Fw: [aprsnews] 16 bit (and larger) Telemetry

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-13 07:18:53 UTC
From: Mike Manes
Topic: 5368 Message: 5368

Hi Steve,

Oooops! Never mind! Guess I shoulda struggled thru the heavily
deformatted forward before replying.

Sri es 73 de Mike W5VSI

Steve Dimse wrote:
>
> On 12/12/02 at 8:56 PM manes@... (Mike Manes) sent:
>
> >The world does NOT need yet another non-human-readable APRS beacon
> >format, IMHO. Further, one already exists which reports to the
> >limit of non-differential GPS: the NMEA $GPRMC and $GPGGA sentences
> >report lat/lon down to +/- 20 meters. In the rare circumstance where
> >that degree of precision is required, simply invoke the NMEA format.
> >
> I think you totally missed the point. This is not position reports, but rather
> telemetry data.
>
> Steve K4HG

--
Mike Manes manes@... Tel: 303-979-4899
"Things should be made as simple as possible, but not more so." A.
Einstein

5369. ORB-3 Flight

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-13 21:42:33 UTC
From: Harry M
Topic: 5369 Message: 5369
Attachments: 1 described; binary payloads are missing from this source WARC

Oklahoma Research Balloons
ORB-3 Flight

Launch Site - 36.27917 / -95.82944
Micro-Beacon - 147.450 (+/- 5).

ORB-3 is scheduled for this Saturday Dec, 14th at 9-10am.
Launch site will be from the Owasso High School parking lot.

The winds should carry it NE, E, SE. The lower it stays the more
NE it will track. The higher it goes the more SSE it will track.
Down-range distance estimate is 15-40 miles.

I spent a couple hours with my friend Steve Piltz, at the NWS
office today comparing my wind profiles with their's and they
agree with what I had. I sure wish I had their system here at
the house! :) Too bad ORB doesn't have APRS because they have
overlaid APRS stations on their radar so they can keep track
of storm spotters. How neat! If he has time in the morning he
will try to track ORB using the "Clear Air Mode" on the radar.

73
Harry - KC5TRB
Tulsa, Oklahoma

5370. Re: [tvnsp] TVNSP APRS Setup

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-13 22:03:47 UTC
From: Harry M
Topic: 5351 Message: 5370

Bill, I have a question about your statement in regard to
using "RELAY, WIDE"...

>in the SouthWest you won't get anywhere because they don't
>support it. There are other variations across the country.

I am curious to know where in the SW you are referring to. I
have travelled a great deal in OK, TX, NM, AZ & UT. I use
RELAY,WIDE3-3 or WIDE5-5 and never had a problem. Without the
support of RELAY low-power or distant stations will not get
to a digi.

I did receive a message once from a NM station that asked that
I not use WIDE5-5 while in NM.

73
Harry
KC5TRB
Tulsa

5371. Re: [tvnsp] TVNSP APRS Setup

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-14 00:46:41 UTC
From: Jeff Melanson
Topic: 5351 Message: 5371

Hi all,

Time for me to ask a question.

As far as I know only the Tiny Track can do smart beaconing.
The KPC3+ cannot. We use the KPC3+ in our chase vehicles to
be able to interface with our laptops which is something the
Tiny Track can't do therefore we have to set a beacon rate
of X minutes. Am I right or wrong?

Jeff
KD7INN

verhap@... wrote:
>
> > Since you're targeting this for APRS+SA don't set your
> position rate to X
> > minutes. Instead use smart beaconing and get the best of
> both worlds.
> >
> > Smart beaconing sends positions at a rate that is
> related to your speed. It
> > also does corner pegging so it sends a position when
> you've turned a
> > corner. It's designed for getting really good tracking
> data with minimal
> > packets.
>
> Sounds good. What's the commands?
>
> Paul
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
> Your use of Yahoo! Groups is subject to the Yahoo! Terms
> of Service.

5372. RE: [tvnsp] TVNSP APRS Setup

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-14 01:48:51 UTC
From: Doug Eubanks
Topic: 5351 Message: 5372

Jeff,
The smart beaconing is in the program, not in the
TNC.
I only run APRS when chasing and use a Kenwood
7950 that
is permanently mated to an AEA PK-88. It has to
have the
laptop to be functional, but that is fine for what
I use it for.

Doug, KA?O
ka0o@...

-----Original Message-----
From: Jeff Melanson [mailto:kd7inn@...]
Sent: Friday, December 13, 2002 6:47 PM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] TVNSP APRS Setup

Hi all,

Time for me to ask a question.

As far as I know only the Tiny Track can do
smart beaconing.
The KPC3+ cannot. We use the KPC3+ in our chase
vehicles to
be able to interface with our laptops which is
something the
Tiny Track can't do therefore we have to set a
beacon rate
of X minutes. Am I right or wrong?

Jeff
KD7INN

verhap@... wrote:
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don't set your
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> > minutes. Instead use smart beaconing and get
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> both worlds.
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that is

> related to your speed. It
> > also does corner pegging so it sends a
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> > corner. It's designed for getting really
good tracking
> data with minimal
> > packets.
>
> Sounds good. What's the commands?
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> Paul
>
> To unsubscribe from this group, send an email
to:
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>
> Your use of Yahoo! Groups is subject to the
Yahoo! Terms
> of Service.

To unsubscribe from this group, send an email
to:
tvnsp-unsubscribe@egroups.com

Your use of Yahoo! Groups is subject to the
Yahoo! Terms of Service.

5373. RE: [tvnsp] TVNSP APRS Setup

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-14 02:00:50 UTC
From: Tim Rynearson
Topic: 5351 Message: 5373
Attachments: 1 described; binary payloads are missing from this source WARC

So am I understanding correctly that APRS+SA does smart beaconing ?

-------Original Message-------

From: tvnsp@yahoogroups.com
Date: Friday, December 13, 2002 06:45:17 PM
To: tvnsp@yahoogroups.com
Subject: RE: [tvnsp] TVNSP APRS Setup

Jeff,
The smart beaconing is in the program, not in the TNC.
I only run APRS when chasing and use a Kenwood 7950 that
is permanently mated to an AEA PK-88. It has to have the
laptop to be functional, but that is fine for what I use it for.

Doug, KAØO
ka0o@...

-----Original Message-----
From: Jeff Melanson [mailto:kd7inn@...]
Sent: Friday, December 13, 2002 6:47 PM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] TVNSP APRS Setup

Hi all,

Time for me to ask a question.

As far as I know only the Tiny Track can do smart beaconing.
The KPC3+ cannot. We use the KPC3+ in our chase vehicles to
be able to interface with our laptops which is something the
Tiny Track can't do therefore we have to set a beacon rate
of X minutes. Am I right or wrong?

Jeff
KD7INN

verhap@... wrote:
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> > Since you're targeting this for APRS+SA don't set your
> position rate to X
> > minutes. Instead use smart beaconing and get the best of
> both worlds.
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> > Smart beaconing sends positions at a rate that is
> related to your speed. It

> > also does corner pegging so it sends a position when
> you've turned a
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> Sounds good. What's the commands?
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5374. Fw: We can suooly copper foil

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-14 04:28:57 UTC
From: Zack Clobes
Topic: 5374 Message: 5374

I happened to get this email tonight and thought it may be of interest after all of the EMI discussion.

No guarantees on the company - this was unsolicited...

Zack Clobes, W0ZC
Project: Traveler
www.rckara.org/

----- Original Message -----
From: "贾先生" <sinfoil@...>
To: <1@...>
Sent: Sunday, December 15, 2002 9:59 PM
Subject: We can suooly copper foil

> Dear Sir or Madam:
>
> Our company specializes in exporting copper foil for many years and has rich experience in this line. Our factory is located in the west part of China, and professionally produces 9-micron,10-micron, 12-micron, 18-micron, 35-micron, 70-micron and 105-micron electrodeposited copper foils needed by electronic industries (PCB, CCL, lithium battery and polymer lithium battery. Meanwhile we also supply RA (rolled-annealed) and HTE copper foil of various specification. The purity of Cu is above 99.8%. In addition we can supply products according to your specific requirement.
>
> High quality product and service with competitive price is our principle. If you are interested please contact us. Any request is welcome and will be treated in our earliest time.
>
> We look forward to serve your needs and contribute to your company success.
>
> Best Regards
> Jia
> Shenzhen Xinbei Import & Export Trading Co.,Ltd
>
> Shangbu Commercial Building North 701, Huaqiang Road South.
> Shenzhen Guangdong Province, China,518033
> Tel:86 755 83000912
> Fax:86 755 83000913
> E-Mail: xbmegs@...
> sinfoil@...
> Web: www.sinfoil.com
>
>

>
>
>

5375. Re: [tvnsp] Fw: We can suooly copper foil

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-14 06:30:08 UTC
From: Bill Herrmann
Topic: 5374 Message: 5375

At 10:28 PM 12/13/02 -0600, you wrote:
>No guarantees on the company - this was unsolicited...

Even if they are a 100% legitimate company don't buy from them! If you encourage spam by buying the products they advertise it will keep being a problem.

Bill - who is darn glad to have gotten out of the network admin role when I did!

5376. RE: [tvnsp] TVNSP APRS Setup

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-14 06:44:47 UTC
From: Bill Herrmann
Topic: 5351 Message: 5376

At 07:00 PM 12/13/02 -0700, Tim Rynearson wrote:
>So am I understanding correctly that APRS+SA does smart beaconing ?

Yes, it does. It can even do it with the GPS attached directly to the TNC.
Even better if you have it set right the GPS will beacon at your normal
rate if the computer isn't connected or stops pulling the GPS data.

I'll pull up the setup screen tomorrow to confirm what the settings are and
send out a message.

Bill

5377. Re: [tvnsp] TVNSP APRS Setup

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-14 06:53:47 UTC
From: Bill Herrmann
Topic: 5351 Message: 5377

At 04:03 PM 12/13/02 -0600, Harry M wrote:
>I am curious to know where in the SW you are referring to.

Hmmm, thought Arizona was one of the states mentioned that didn't support it. I'll have to dig up the message from the national APRSSIG. I know California doesn't.

>RELAY,WIDE3-3 or WIDE5-5 and never had a problem. Without the
>support of RELAY low-power or distant stations will not get
>to a digi.

Very true, but that only works if there is a RELAY. If the digi only answers to WIDE and no RELAY has retransmitted it the packet goes nowhere even if the digi heard it. In our area that isn't a problem because the digis support RELAY. The home based RELAY's are pretty sparse.

I'll dig up that message and send it. The bottom line is that there isn't one path that works everywhere, so Paul should mention that local practice should be followed in his book. (and you would not even believe how heated some of the discussions on path and beacon rate get...)

Bill

5378. Re: [tvnsp] Fw: We can suooly copper foil

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-14 13:50:36 UTC
From: Doug Rich
Topic: 5374 Message: 5378

There is a Nampa store that sells up to 1/2" copper foil tape.

Doug W7DVR

At 11:30 PM 12/13/02 -0700, you wrote:
>At 10:28 PM 12/13/02 -0600, you wrote:
> >No guarantees on the company - this was unsolicited...
>
>Even if they are a 100% legitimate company don't buy from them! If you
>encourage spam by buying the products they advertise it will keep being a
>problem.
>
>Bill - who is darn glad to have gotten out of the network admin role when
>I did!
>
>
>
>To unsubscribe from this group, send an email to:
>tvnsp-unsubscribe@egroups.com
>
>
>
>Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

5379. Justin and Street Atlas

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-14 18:06:03 UTC
From: Jeff Melanson
Topic: 5379 Message: 5379

Justin,

Are you going to be at the party this afternoon? Can you
bring the Street Atlas disks?

Jeff
KD7INN

5380. Re: [tvnsp] Justin and Street Atlas

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-14 17:27:41 UTC
From: John Knapp
Topic: 5379 Message: 5380

Jeff, I have a set also.

JohnK
--- Jeff Melanson <kd7inn@...> wrote:
> Justin,
>
> Are you going to be at the party this afternoon? Can
> you
> bring the Street Atlas disks?
>
> Jeff
> KD7INN
>

_____
Do you Yahoo!?
Yahoo! Mail Plus - Powerful. Affordable. Sign up now.
http://mailplus.yahoo.com

5381. Road update

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-14 17:30:21 UTC
From: John Knapp
Topic: 5379 Message: 5381

Want to let everyone know that Locust Grove between Ustick and McMillin is now open. If you come in from Fairview, turn at Fred Meyer on Locust Grove and follow Locust Grove to Paradise (half mile south of Ustick).

See you later,
JohnK
KD7HGS

Do you Yahoo!?
Yahoo! Mail Plus - Powerful. Affordable. Sign up now.
http://mailplus.yahoo.com

5382. Re: [tvnsp] Road update

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-14 18:32:28 UTC
From: John Knapp
Topic: 5379 Message: 5382

Okay, I don't know north from south. We are a half
mile north of Ustick, not south like I indicated
below.

Jknapp
KD7HGS
--- John Knapp <kd7hgs@...> wrote:
> Want to let everyone know that Locust Grove between
> Ustick and McMillin is now open. If you come in from
> Fairview, turn at Fred Meyer on Locust Grove and
> follow Locust Grove to Paradise (half mile south of
> Ustick).
>
> See you later,
> JohnK
> KD7HGS
>
> _____
> Do you Yahoo!?
> Yahoo! Mail Plus - Powerful. Affordable. Sign up
> now.
> http://mailplus.yahoo.com
>

_____
Do you Yahoo!?
Yahoo! Mail Plus - Powerful. Affordable. Sign up now.
http://mailplus.yahoo.com

5383. Re: [tvnsp] Road update

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-14 18:46:51 UTC
From: Randy Farley
Topic: 5379 Message: 5383

Thats why we nee GPS's ;))

John Knapp wrote:
>
> Okay, I don't know north from south. We are a half
> mile north of Ustick, not south like I indicated
> below.
>
> Jknapp
> KD7HGS
> --- John Knapp <kd7hgs@...> wrote:
> > Want to let everyone know that Locust Grove between
> > Ustick and McMillin is now open. If you come in from
> > Fairview, turn at Fred Meyer on Locust Grove and
> > follow Locust Grove to Paradise (half mile south of
> > Ustick).
> >
> > See you later,
> > JohnK
> > KD7HGS
> >
> > _____
> > Do you Yahoo!?
> > Yahoo! Mail Plus - Powerful. Affordable. Sign up
> > now.
> > http://mailplus.yahoo.com
> >
>
> _____
> Do you Yahoo!?
> Yahoo! Mail Plus - Powerful. Affordable. Sign up now.
> http://mailplus.yahoo.com
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

--
Regards,

Randy Farley
N7GPS -Ham Call-
My QTH at: http://map.findu.com/n7gps

Find Me Mobile at: http://map.findu.com/n7gps-9

5384. Video

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-14 19:36:53 UTC
From: Mike Rogers
Topic: 210 Message: 5384
Attachments: 1 described; binary payloads are missing from this source WARC

Just I reminder, we will be coming to the party with food and videotape in hand.

Thanks,

Mike - W7MJR

-----Original Message-----
From: verhap@... [mailto:verhap@...]
Sent: Monday, November 25, 2002 12:39 AM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] More ATV...

> I was poking around on the KNSP web site looking for ATV flight information
and ran across this spectacular video footage of the Flight 98B balloon burst (with sound)
at 98,400 feet. Anyone who hasn't seen this video needs to now (Quicktime movie):
http://www.ksu.edu/humec/knsp/images/98b.mov .

The video was from a camcorder. Bring a video tape to the
Christmas party can we can make a copy for you.

Jeff, can you bring your TV/VCR? I'll bring mine and we can dup
tapes for anyone missing one.

W7MJR, will you attend our Christmas party? It's on the 14th. At
it we'll mod some Alinco DJ-S11s for near space.

> I noticed one KNSP flight (97C) with ATV which suffered antenna damage at launch.
However, there's a number of great video recordings and SSTV images from many of the KNSP
flights.
Were there any other ATV flights besides 97C?

The first three of 1997 were ATV flights. In 1998 we started
sending SSTV with the Kenwood VC-H1.

> Didn't Francis have a 23 or 13 cm antenna? It seems you would want to use 70 cm for
maximum range
and signal strength (@ 1-2W) and use one or two strategically placed ground
stations with preamps and maybe high gain Yagis or even phased arrays, e.g. two phased
10-11 element beams
with a good GaAs preamp mounted to a heavy-duty tripod? (I have no ATV experience, but I
have a feeling this might be changing.)

I'm hoping to test 2.4 GHz frequencies. They don't require a
license and with a good dish on the ground, we may be good
reception at near space distances.

> Is there an ATV community here in the Treasure Valley? I haven't heard of any local ATV repeaters
(there's one on Mt. Harrison) although I'm new to amateur radio and haven't made many contacts.
Also, would you want the audio transmission along with the video, i.e. is it worth the extra circuitry and weight?

None that I know of. I have ATV for near space, but to use it, we
need a ATV ready ground station (another job for mission control?)

Paul

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tvnsp-unsubscribe@egroups.com

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5385. ORB-3 Preliminary Flight Results

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-15 04:20:19 UTC
From: Harry M
Topic: 5385 Message: 5385

Oklahoma Research Balloons
ORB-3 Preliminary Flight Results

The balloon with payload was launched at 09:37 CST.
The initial track was to the N then E then SE as
predicted. The actual path was much further east and
south of predicted. The micro-beacon was heard and
tracked by several QTH's in the area, a station in
Bentonville, Arkansas and a station in Coffeyville,
Kansas from a distance of 50-60 miles. The signal was
lost at around 11:50 CST. After some repeater hopping,
asking for help in locating the signal, it was picked
up at around 3pm at the QTH of a local HAM along the
predicted path. We were able to aquire the signal and
pinpoint ORB-3's location with his help in a pasture
in the very wooded and rolling hills of eastern Oklahoma.
The land owner was not at home and the sun had set, so we
will return tomorrow (Sun) to see if we can enter the
property to retrieve the payload.

That is if the cows don't eat it first! :)

73
Harry - KC5TRB
Tulsa, Oklahoma

5386. Smart Beaconing in APRS+SA -was- RE: [tvnsp] TVNSP APRS Setup

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-15 07:22:28 UTC
From: Bill Herrmann
Topic: 5351 Message: 5386

Ok, here's how you turn it on. (For reference I'm using APRS+SA 2.15 but it's been the same for a little while.)

Note: I am assuming that you have APRS+SA already set up and running and just want to turn on Smart Beaconing. I'm also assuming that you have your GPS connected to a KPC3+ TNC via the radio port.

From APRS+SA select Setup and then Main.

In the "Port 1 TNC" section of the setup screen change the mode to "Pico" - This should cause APRS+SA to retrieve GPS data from the TNC by sending a Ctrl-E you should see that data on the GPS tab within APRS+SA. There is a setting in the TNC but I believe the default setting is correct for this use.

In the "Port 2 GPS" section of the setup screen:
Port should show closed
Mode should show NMEA
Check the check box just to the left of the "Smart" button.
Click the "Smart" button to set things up. (The defaults are probably a good starting point.) There are 3 buttons on the bottom of the new dialog box. The 2 plot buttons give you a visual representation of how your smart beaconing will work based on your speed.

Note: The slow rate is a threshold. It is possible to set smart beaconing such that it beacons more slowly at slow speed + 1mph than it does at 0mph.

Here's how it works:
The TNC gets your position from the GPS just like it does now and stores that in the LT buffers. Periodically APRS+SA retrieves that by sending a Ctrl-E to the TNC which causes the TNC to regurgitate the contents of all 4 LT buffers to the RS232 port.

Note: Do NOT leave old data in unused buffers or your position may be wrong.

From there APRS+SA can decide when to send positions based on the smart beacon settings.

Here's the cool thing - When the TNC sees a Ctrl-E it resets the BLT timers just like the TNC had just transmitted a position. As long as the TNC sees a Ctrl-E before a BLT timer expires it will never send a position on its own. If it doesn't see that Ctrl-E it reverts to it's current behavior. This, of course, covers all those silly things like hung laptops, disconnected serial cables and the like. The one catch is that the BLT timer reset won't work if you use the START parameter with your BLT settings. However, all that happens there is that the TNC sends your position like it does now and APRS+SA does too.

Bill

5387. Re: [tvnsp] TVNSP APRS Setup

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-15 07:36:04 UTC
From: Bill Herrmann
Topic: 5351 Message: 5387

At 04:03 PM 12/13/02 -0600, you wrote:
>I am curious to know where in the SW you are referring to.

Below is an extract of the message that I was basing that comment on. I haven't contacted the author to ask his permission to cross-post his id, but his posts generally have good enough information that I've set up my email program to flag his posts so I don't miss them.

Sounds like Harry's experience says that AZ may be supporting RELAY at least in some areas. I've seen numerous references to CA especially in the LA area not supporting it and really strongly discouraging people from using it.

Bill

>The frequency is used country-wide but the optimum path isn't.
>
>In the mountainous southwest (CA NV and AZ) WIDE2-2 only is used. Not sure
>about NM. East of the Rockies, the path will probably be RELAY, WIDE2-2 (or
>if the digis in the area don't respond to the callsign substituting WIDEn-N
>construct, RELAY, WIDE, WIDE) .
>
>You will probably need to monitor local activity for the paths in use and
>adjust yours accordingly.

5388. Re: ORB-3 Preliminary Results / we don't need no stinkin' GPS

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-15 16:52:10 UTC
From: Hank <n1ltv@yahoo.com>
Topic: 5385 Message: 5388

> After some repeater hopping,
> asking for help in locating the signal, it was picked
> up at around 3pm at the QTH of a local HAM along the
> predicted path. We were able to aquire the signal and
> pinpoint ORB-3's location with his help in a pasture
> in the very wooded and rolling hills of eastern Oklahoma.

Very cool, Harry. Very nice you're able to track
without any of the new technology.

Good luck Sunday and let's hope the cows are at most
cautiously curious.

Hank

5389. Re: [tvnsp] TVNSP APRS Setup

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-15 18:33:28 UTC
From: Jeff Melanson
Topic: 5351 Message: 5389

Bill Herrmann wrote:

> I've seen numerous references to CA
> especially in the
> LA area not supporting it and really strongly discouraging
> people from
> using it.
>

Why is it discourage?

Jeff

5390. RE: Video

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-15 19:22:04 UTC
From: Tony Barrett
Topic: 210 Message: 5390

Hey Mike,

There used to be TWO ATV repeaters on / near Shafer Butte, but I don't think either is functional now.

I know of about a dozen hams in the Treasure Valley that run ATV periodically. We used to run a lot of ATV for the Boise River Festival, but not so much anymore. See the December 1997 issue of QST, page 28, for details about ATV in Boise.

Transmitting the audio with the ATV video takes just a few additional very lightweight components and nearly no extra power.

I have a "portable" ATV phased array receiving station with heavy duty tripod and preamp for 433 MHz (+/- 20 MHz). I also have pocket-sized 5 watt and 15 watt ATV transmitters for the UHF band.

The biggest problem with flying ATV on a balloon is DC power. With its wide bandwidth signal ATV is pretty power hungry. The challenge / expense is flying enough batteries to transmit for an hour or two while keeping the weight reasonable. The other concern is the cost ($ and build time) of the ATV gear and being comfortable with the risk of losing it.

Best regards,

Tony - N7MTZ

-----Original Message-----
From: Mike Rogers [mailto:mrogers@...]
Sent: Saturday, December 14, 2002 12:37 PM
To: 'tvnsp@yahoogroups.com'
Subject: Video

Just I reminder, we will be coming to the party with food and videotape in hand.

Thanks,

Mike - W7MJR

-----Original Message-----
From: verhap@... [mailto:verhap@...]
Sent: Monday, November 25, 2002 12:39 AM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] More ATV...

> I was poking around on the KNSP web site looking for ATV flight
information
and ran across this spectacular video footage of the Flight 98B balloon
burst (with sound)
at 98,400 feet. Anyone who hasn't seen this video needs to now
(Quicktime movie):
http://www.ksu.edu/humec/knsp/images/98b.mov .

The video was from a camcorder. Bring a video tape to the
Christmas party can we can make a copy for you.

Jeff, can you bring your TV/VCR? I'll bring mine and we can dup
tapes for anyone missing one.

W7MJR, will you attend our Christmas party? It's on the 14th. At
it we'll mod some Alinco DJ-S11s for near space.

> I noticed one KNSP flight (97C) with ATV which suffered antenna damage
at launch.
However, there's a number of great video recordings and SSTV images from
many of the KNSP flights.
Were there any other ATV flights besides 97C?

The first three of 1997 were ATV flights. In 1998 we started
sending SSTV with the Kenwood VC-H1.

> Didn't Francis have a 23 or 13 cm antenna? It seems you would want to
use 70 cm for maximum range
and signal strength (@ 1-2W) and use one or two strategically placed
ground
stations with preamps and maybe high gain Yagis or even phased arrays,
e.g. two phased 10-11 element beams
with a good GaAs preamp mounted to a heavy-duty tripod? (I have no ATV
experience, but I have a feeling this might be changing.)

I'm hoping to test 2.4 GHz frequencies. They don't require a
license and with a good dish on the ground, we may be good
reception at near space distances.

> Is there an ATV community here in the Treasure Valley? I haven't
heard of any local ATV repeaters
(there's one on Mt. Harrison) although I'm new to amateur radio and
haven't made many contacts.
Also, would you want the audio transmission along with the video, i.e.
is it worth the extra circuitry and weight?

None that I know of. I have ATV for near space, but to use it, we
need a ATV ready ground station (another job for mission control?)

Paul

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tvnsp-unsubscribe@egroups.com

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http://docs.yahoo.com/info/terms/

5391. Re: [tvnsp] RE: Video

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-16 02:01:23 UTC
From: Doug Rich
Topic: 210 Message: 5391

What kind of solar power would be required?

Doug W7DVR

At 12:22 PM 12/15/02 -0700, you wrote:
>Hey Mike,
>
>There used to be TWO ATV repeaters on / near Shafer Butte, but I don't
>think either is functional now.
>
>I know of about a dozen hams in the Treasure Valley that run ATV
>periodically. We used to run a lot of ATV for the Boise River Festival,
>but not so much anymore. See the December 1997 issue of QST, page 28,
>for details about ATV in Boise.
>
>Transmitting the audio with the ATV video takes just a few additional
>very lightweight components and nearly no extra power.
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>I have a "portable" ATV phased array receiving station with heavy duty
>tripod and preamp for 433 MHz (+/- 20 MHz). I also have pocket-sized 5
>watt and 15 watt ATV transmitters for the UHF band.
>
>The biggest problem with flying ATV on a balloon is DC power. With its
>wide bandwidth signal ATV is pretty power hungry. The challenge /
>expense is flying enough batteries to transmit for an hour or two while
>keeping the weight reasonable. The other concern is the cost ($ and
>build time) of the ATV gear and being comfortable with the risk of
>losing it.
>
>Best regards,
>
>Tony - N7MTZ
>
>
>
>-----Original Message-----
>From: Mike Rogers [mailto:mrogers@...]
>Sent: Saturday, December 14, 2002 12:37 PM
>To: 'tvnsp@yahoogroups.com'
>Subject: Video
>
>Just I reminder, we will be coming to the party with food and videotape
>in hand.
>
>Thanks,

>
>Mike - W7MJR
>
>-----Original Message-----
>From: verhap@... [mailto:verhap@...]
>Sent: Monday, November 25, 2002 12:39 AM
>To: tvnsp@yahoogroups.com
>Subject: Re: [tvnsp] More ATV...
>
>
> > I was poking around on the KNSP web site looking for ATV flight
>information
>and ran across this spectacular video footage of the Flight 98B balloon
>burst (with sound)
>at 98,400 feet. Anyone who hasn't seen this video needs to now
>(Quicktime movie):
>http://www.ksu.edu/humec/knsp/images/98b.mov .
>
>The video was from a camcorder. Bring a video tape to the
>Christmas party can we can make a copy for you.
>
>Jeff, can you bring your TV/VCR? I'll bring mine and we can dup
>tapes for anyone missing one.
>
>W7MJR, will you attend our Christmas party? It's on the 14th. At
>it we'll mod some Alinco DJ-S11s for near space.
>
> > I noticed one KNSP flight (97C) with ATV which suffered antenna damage
>at launch.
>However, there's a number of great video recordings and SSTV images from
>many of the KNSP flights.
>Were there any other ATV flights besides 97C?
>
>The first three of 1997 were ATV flights. In 1998 we started
>sending SSTV with the Kenwood VC-H1.
>
> > Didn't Francis have a 23 or 13 cm antenna? It seems you would want to
>use 70 cm for maximum range
>and signal strength (@ 1-2W) and use one or two strategically placed
>ground
>stations with preamps and maybe high gain Yagis or even phased arrays,
>e.g. two phased 10-11 element beams
>with a good GaAs preamp mounted to a heavy-duty tripod? (I have no ATV
>experience, but I have a feeling this might be changing.)
>
>I'm hoping to test 2.4 GHz frequencies. They don't require a
>license and with a good dish on the ground, we may be good
>reception at near space distances.
>
> > Is there an ATV community here in the Treasure Valley? I haven't

>heard of any local ATV repeaters
>(there's one on Mt. Harrison) although I'm new to amateur radio and
>haven't made many contacts.
>Also, would you want the audio transmission along with the video, i.e.
>is it worth the extra circuitry and weight?
>
>None that I know of. I have ATV for near space, but to use it, we
>need a ATV ready ground station (another job for mission control?)
>
>Paul
>
>To unsubscribe from this group, send an email to:
>tvnsp-unsubscribe@egroups.com
>
>
>
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>
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>
>
>
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5392. Re: [tvnsp] RE: Video

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-16 02:21:09 UTC
From: Zack Clobes
Topic: 210 Message: 5392

We can get about 45 minutes worth of video out of a 1500mAh NiMH pack with some to spare. That includes a 1.5W transmitter, a color video camera, and a GPS/callsign overlay. I don't have the equipment at the house to measure, but I'd guess if you multiply your output power times about four, you'd be in the ball park.

So far we've had relatively good experiences - I had video mailed to me from about 200 miles south of the balloon (near burst). It takes a good, omni-directional antenna on the balloon that doesn't fade much while spinning. Also, plan on at least 10 elements on a Yagi with a preamp, pointed directly at the package (not in a vehicle).

Just be forewarned - don't expect camcorder-quality video!

Zack Clobes, W0ZC
Project: Traveler
www.rckara.org/

----- Original Message -----
From: Doug Rich
To: tvnsp@yahoogroups.com
Sent: Sunday, December 15, 2002 8:01 PM
Subject: Re: [tvnsp] RE: Video

What kind of solar power would be required?

Doug W7DVR

At 12:22 PM 12/15/02 -0700, you wrote:

Hey Mike,

There used to be TWO ATV repeaters on / near Shafer Butte, but I don't think either is functional now.

I know of about a dozen hams in the Treasure Valley that run ATV periodically. We used to run a lot of ATV for the Boise River Festival, but not so much anymore. See the December 1997 issue of QST, page 28, for details about ATV in Boise.

Transmitting the audio with the ATV video takes just a few additional very lightweight components and nearly no extra power.

I have a "portable" ATV phased array receiving station with heavy duty tripod and preamp for 433 MHz (+/- 20 MHz). I also have pocket-sized 5 watt and 15 watt ATV transmitters for the UHF band.

The biggest problem with flying ATV on a balloon is DC power. With its wide bandwidth signal ATV is pretty power hungry. The challenge / expense is flying enough batteries to transmit for an hour or two while

keeping the weight reasonable. The other concern is the cost ($ and build time) of the ATV gear and being comfortable with the risk of losing it.

Best regards,

Tony - N7MTZ

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Sent: Saturday, December 14, 2002 12:37 PM
To: 'tvnsp@yahoogroups.com'
Subject: Video

Just I reminder, we will be coming to the party with food and videotape in hand.

Thanks,

Mike - W7MJR

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Sent: Monday, November 25, 2002 12:39 AM
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and ran across this spectacular video footage of the Flight 98B balloon burst (with sound)
at 98,400 feet. Anyone who hasn't seen this video needs to now (Quicktime movie):
http://www.ksu.edu/humec/knsp/images/98b.mov .

The video was from a camcorder. Bring a video tape to the Christmas party can we can make a copy for you.

Jeff, can you bring your TV/VCR? I'll bring mine and we can dup tapes for anyone missing one.

W7MJR, will you attend our Christmas party? It's on the 14th. At it we'll mod some Alinco DJ-S11s for near space.

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Also, would you want the audio transmission along with the video, i.e. is it worth the extra circuitry and weight?

None that I know of. I have ATV for near space, but to use it, we need a ATV ready ground station (another job for mission control?)

Paul

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5393. RE: [tvnsp] RE: Video

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-16 04:48:08 UTC
From: Mike Rogers
Topic: 210 Message: 5393
Attachments: 1 described; binary payloads are missing from this source WARC

Hi Tony,

I appreciate the information. Yeah, I have come to realize the battery weight is a major factor. The heat sink also becomes significant for higher power transmitters, but once again, so does the power source! As reference, my Dell laptop uses a 4500 mAhr Li-ion @ 14.8 volts, weighs in at about 16 oz, and costs ~100 bucks. Not bad capacity/weight/cost, but yes, I would hate to lose it (along with the boards and camera) in TJ Strike reservoir or the land of Oz!

Perhaps a command signal to the balloon could control the transmitter output power based on feedback from received signal strength/quality? This might be a means of reducing unnecessary power consumption. I wonder if there have been many balloon flights with control "uplinks?"

Finally, are there any ATVers (not to be confused with the other kind like Gary K7TIH) in the SE Boise area? I don't have a directional 70cm antenna (I'll build before I buy) or ATV receiver (I'll buy before I build), but I could tune in nearby CATV frequency stations off the omni for a "taste." Is ATV something that's kind of died off in the area? Is it going the way of packet?

The high altitude balloon application seems to lends itself quite well to ATV since there really isn't any readily accessible internet access up there at 80K+ feet for streaming video:) <TANGENT>This gets me thinking --- has anyone contacted a satellite from a balloon?</TANGENT>

I see that a number of folks have worked with ATV in near space since the early nineties, and they have a wealth of knowledge and successes to share. At the same time, there still seems to be some significant technical challenges and the technology and cost continue to improve.

Thanks,

Mike - W7MJR

P.S. I'd like to check out your portable ATV systems sometime if you don't mind.

-----Original Message-----
From: Tony Barrett [mailto:tonybarrett@...]
Sent: Sunday, December 15, 2002 12:22 PM
To: tvnsp@yahoogroups.com
Subject: [tvnsp] RE: Video

Hey Mike,

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think either is functional now.

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Best regards,

Tony - N7MTZ

5394. Re: [tvnsp] TVNSP APRS Setup

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-16 06:53:31 UTC
From: Bill Herrmann
Topic: 5351 Message: 5394

At 10:33 AM 12/15/02 -0800, Jeff Melanson wrote:
>Why is it discouraged? [RELAY]

This is based on information gleaned from a number of messages rather than any personal experience there.

It appears to be because of the channel congestion it causes. LA in particular has a very unique RF environment. They're in a basin with mountains east of them so they have very good coverage from the wide digis. The normal HAAT calculations don't work well when you have mountains on one side and sea on the other. I understand that the FCC has had problems with trying to assign frequencies in the area too.

They also have lots more people running APRS and a lot more infrastructure.

Bill

5395. APRS Settings

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-16 15:12:05 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5342 Message: 5395

I've added another two pages explaining why TVNSP recommends the APRS settings it does. However, there are a few settings I don't understand (it comes with the territory when you don't actually use the program).

What other text to voice agents exist out there? I've seen Peedy and know one other one exists, but I don't recallt he character.

Why turn pause off after menu action on position page?

Why select to position page update on new position only?
- Can a page be updated when the balloon hasn't sent a new packet?

Why did we use a max and min mag of 14 and 10?
- is there a time you might want to set them to different values?

Why select to remove lat/long = 0 90 180?

Thanks Bill for your smart beaconing notes. I'll incorporate them.

I plan to send an updated copy of the APRS section of Chapter 11 this week, once I have everyone elses notes.

Paul

5396. New Comet

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-16 16:58:24 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5396 Message: 5396

http://www.spaceweather.com/ is saying a new comet has been discovered. It looks to get almost as bright as Venus is now by mid Jan 2003.

Paul

5397. Re: New Comet

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-16 17:34:07 UTC
From: Hank <n1ltv@yahoo.com>
Topic: 5396 Message: 5397

> It looks to get almost as bright as Venus is now by
> mid Jan 2003.

[from Sky and Telescope magazine]

A preliminary orbit calculated by Brian G. Marsden of the Minor Planet Center in Cambridge, Massachusetts, indicates that this comet is headed for perihelion in late January, when it will pass well inside the orbit of Mercury and may brighten considerably. Unfortunately, it will then be almost directly behind the Sun as seen from Earth, hence virtually impossible to observe.

Before that time, Northern Hemisphere observers should be able to follow the comet with binoculars in the morning sky through mid-January. Skywatchers in the Southern Hemisphere are in a position to see it emerging from the Sun's glare in late February, in the evening sky.

Currently the comet is about 7th magnitude, making it a viable binocular object for amateurs. It could be 6th magnitude or brighter by the year's end.

5398. Smart Beaconing in APRS+SA -was- RE: [tvnsp] TVNSP APRS Setup

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-16 18:07:06 UTC
From: Randy Farley
Topic: 5351 Message: 5398

Bill

Good explanation how SA retrieves gps data from the tnc
in the "pico" mode. Had no idea what the "pico" mode did.
I thought it was for the Paccom tnc's.

I know i have to do the ctrl-e thing manually in pocetAPRS
once in awhile with the Kenwood Ht. The built in Tasco tnc gets fails to take the gps data and spit it out on initialization sometimes. Probably operator error most of the time.

One question, does the "enable transmit - TNC/TCP" box in setup need to be unchecked? Seems like when it is checked,we keep showing our position from the lat/lon setting in the setup page. Or do we check it and set our "position and staus" rates
to a number higher than the expected flight time so SA+ never
transmits our icon and lat/lon from the program setup page?

regards,

Randy

>>> bherrman@... 12/15/02 12:22AM >>>
Ok, here's how you turn it on. (For reference I'm using APRS+SA 2.15 but
it's been the same for a little while.)

Note: I am assuming that you have APRS+SA already set up and running and
just want to turn on Smart Beaconing. I'm also assuming that you have your
GPS connected to a KPC3+ TNC via the radio port.

From APRS+SA select Setup and then Main.

In the "Port 1 TNC" section of the setup screen change the mode to "Pico" -
This should cause APRS+SA to retrieve GPS data from the TNC by sending a
Ctrl-E you should see that data on the GPS tab within APRS+SA. There is a
setting in the TNC but I believe the default setting is correct for this use.

In the "Port 2 GPS" section of the setup screen:
Port should show closed
Mode should show NMEA
Check the check box just to the left of the "Smart" button.
Click the "Smart" button to set things up. (The defaults are probably a
good starting point.) There are 3 buttons on the bottom of the new dialog
box. The 2 plot buttons give you a visual representation of how your smart
beaconing will work based on your speed.

Note: The slow rate is a threshold. It is possible to set smart beaconing
such that it beacons more slowly at slow speed + 1mph than it does at 0mph.

Here's how it works:
The TNC gets your position from the GPS just like it does now and stores that in the LT buffers. Periodically APRS+SA retrieves that by sending a Ctrl-E to the TNC which causes the TNC to regurgitate the contents of all 4 LT buffers to the RS232 port.

Note: Do NOT leave old data in unused buffers or your position may be wrong.

From there APRS+SA can decide when to send positions based on the smart beacon settings.

Here's the cool thing - When the TNC sees a Ctrl-E it resets the BLT timers just like the TNC had just transmitted a position. As long as the TNC sees a Ctrl-E before a BLT timer expires it will never send a position on its own. If it doesn't see that Ctrl-E it reverts to it's current behavior. This, of course, covers all those silly things like hung laptops, disconnected serial cables and the like. The one catch is that the BLT timer reset won't work if you use the START parameter with your BLT settings. However, all that happens there is that the TNC sends your position like it does now and APRS+SA does too.

Bill

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tvnsp-unsubscribe@egroups.com

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5399. Re: [tvnsp] APRS Settings

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-16 19:03:07 UTC
From: Randy Farley
Topic: 5342 Message: 5399

regards,

Randy

>>> verhap@... 12/16/02 08:12AM >>>
I've added another two pages explaining why TVNSP recommends
the APRS settings it does. However, there are a few settings I
don't understand (it comes with the territory when you don't
actually use the program).

What other text to voice agents exist out there? I've seen Peedy
and know one other one exists, but I don't recallt he character.

Microsoft Agent is the actual name of the text to speech program:
http://www.microsoft.com/msagent/
Peedy,Genie,Merlin and Robby are the character names in the
program.

Why turn pause off after menu action on position page?

This box is not used in the newer versions of aprs+.
He now has "Turn Scrolling On After Menu Action on Position Page" I don't use this because i prefer to scroll the screen myself rather than the page scroll down as it fills with stations.
It is a personal preference i would not recommend to use.

Why select to position page update on new position only?
- Can a page be updated when the balloon hasn't sent a new
packet?

If you don't check this box,the position page flickers because it is trying to refresh every time it hears a position report in a busy network. It may not be a problem on fast computers.

Yes it can be updated any time you want,either manually or by a timer setting in the "Maps" tab.

Why did we use a max and min mag of 14 and 10?
- is there a time you might want to set them to different values?

I don't use the min/max setting myself. It is just a personal preference setting at which magnification you want the map to refresh too each time it is updated. I prefer to check the "locate" function ignore Fixed Center" box in the "Maps" tab. This keeps all "tracked" stations on your map at all times. This way i can see the balloon and all the chase members and there relationship to the balloon. I can zoom to any magnification
with one keystroke any time i want.

Why select to remove lat/long = 0 90 180?

Sometimes there are stations out there that loose lock on their
gps's or forget to turn them on. When one of these sends a positon report, you end up off the W. coast of Africa (00/00)
sometimes when your map updates .

Thanks Bill for your smart beaconing notes. I'll incorporate them.

I plan to send an updated copy of the APRS section of Chapter 11
this week, once I have everyone elses notes.

Paul

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5400. ORB-3 Web Site

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-17 02:19:55 UTC
From: Harry M
Topic: 5400 Message: 5400

ORB-3 FOUND!

Get all the gory details here...

http://www.gbronline.com/harrymue/ORB3/

Harry
KC5TRB

5401. APRS Settings

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-17 14:28:48 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5342 Message: 5401

Here's what I currently have for suggested APRS settings. When
you get a chance, please look them over. I still have a few holes to
fill. Randy gave me some of the answers, but when I printed his
message, text ran off the page. I'll find the message in the
archives and start filling holes this afternoon.

If you any gaps, please let me know. If you have recommended
settings that differ, please let me know also along with an
explanation (there's more than one way to skin a rabbit and I want
to let readers know the reasons behind the selections).

Paul

++++++++++++++++++++++++++++

1.1.3 TVNSP Suggested APRS Setting
These are the APRS setting most frequently used by the
TVNSP Chase Team. Note, APRS is an evolving program.
Settings and their names change from time to time, but this guide
will get you through most of the hurdles.

SETUP
Main Parameters Tab
Callsign: Enter your callsign
Lat: Enter your latitude in decimal degrees
Long: Enter your longitude in decimal degrees
Note: If west of the Prime Meriden, precede the longitude with a
negative sign

Port 1 TNC
Baud: Enter your TNC baud rate (normally 1200)
Port: 1 Com1
Note: This is assuming your TNC is connected to COM Port 1.
Mode: Pico

Port 2 GPS
Baud: 4800
Port: 2 Com2: (or 1 Com1: if using a HSP)
Mode: NMEA
Click the Smart button

TNC Configuration
Select your TNC□s initialization settings
Note: INITKAM works for KPC2
INITKPC

Via: RELAY,WIDE3-3

Lists Tab
Click the Only Track This List option

Program Tab
Click the SA4 (or your version of Street Atlas) option
Click the Turn Pause Off After Menu Action On Position
Page option
OR
Click the Turn Scrolling On After Menu Action On Position
Page option
Click the Position Page Update On New Positions Only
option

Fill information for ☐Agent Character☐ if using a text-to-speech
add-on like Peedy

Close Setup Window

COMMANDS
Map Features
APRS Tab
Click the Include Track Lines option
Click the Bring SA To The Front On New Map option
Click the Include Callsigns option

Center And Mag Tab
Max Mag: 10
Min Mag: 14
Click the Locate Function Ignore Fixed Center option

Click the OK button

COMMANDS
Clear
Click the Remove Lat/Long = 0 90 180 option

COMMANDS
Click the Start Street Atlas option

COMMANDS
TNC Commands
Tripmate or Garmin
Click the Initialize the GPS option

If you do not wish to repeat this process the new time you go on
chase, then do the right thing and register your copy of APRS.

1.1.4 Notes On TVNSP Suggested APRS Settings

SETUP/Main Parameters Tab
Amateur radio and APRS requires a callsign, which every
APRS packet sent is prefixed. The latitude and longitude is the
initial location of the APRS station and is the position reported if
the GPS is left off when APRS is started. A negative longitude

is the standard for a west longitude as a positive longitude is the standard for east longitude. Many APRS stations in the US are displayed in the Atlantic Ocean because longitudes are not preceded with a negative symbol.

SETUP/Port 1 TNC and Port 2 GPS
The most effective APRS stations appear to use two separate comm ports for the GPS and TNC as opposed to a hardware serial port (HSP). The HSP electronically switches one comm port between two serial devices. Currently, most packet traffic occurs at 1200 baud (although the technology for 9600 packet does exist) and NMEA compliant GPS receivers operate at 4800 baud. Setting the TNC mode to Pico, the GPS to NMEA and clicking the smart button activates smart beaconing. In smart beaconing, positions from the GPS are sent less frequently as long as there is no change in the speed and direction of the chase vehicle. When the speed or direction changes, an immediate position report is transmitted notifying Mission Control the Chase Team has changed directions. Smart beaconing reduces the amount of packet data required to specify the position of the Chase Team.

SETUP/TNC Configuration
TNC configuration files are text files containing TNC commands for each particular TNC. When started, APRS puts the TNC into the proper settings by sending the commands in the TNC□s initialization file to the TNC.

SETUP/Via
Note: Consult with your local APRS community. Some locations do not support RELAYing. A WIDE3-3 setting lets packets from the near spacecraft be relayed three times through digi-peaters.

SETUP/Lists Tab
You select the objects you want to track in the ?????? column, rather than having APRS tracking every APRS packet it receives.

SETUP/Program Tab
There are several mapping programs to select from, not just Street Atlas.

??How are they selected??

Click the Turn Pause Off After Menu Action On Position Page
??????????
Selecting to Position Page Update On New Positions Only prevents APRS from updating the map with every position report.

Several text to speech programs are available for APRS. Peedy is one popular one. Peedy is a parrot program that moves its beak when speaking the text it is receiving. Peedy also moves his head around between text packets. Text-to-speech agents are popular with civies that have never watched the tracking of a near spacecraft.

Other Microsoft Agents include, Genie, Merlin, and Robie. They can be found at http://www.microscoft.com/?????????

COMMANDS/Map Features/APRS Tab
Track lines show the past location of the near spacecraft. Without track lines only the current location is seen without the context of a history. Bringing SA to the front keeps the Street Atlas map in the front window. If the map is not brought to then front, then the Chase Team must click to bring the map to where you can see it. Displaying the callsigns of tracked objects is optional, but useful when trying to identify chase vehicles.

COMMANDS/Map Features/Center And Mag Tab
Street Atlas has a range of magnifications. Select ranges suitable to you, or even do not select a maximum and minimum magnification. The Locate Function Ignore Fixed Center option prevents APRS from centering the Street Atlas map on just the near spacecraft. This is useful when you want to track the Chase Team and their relationship to the near spacecraft. Without selecting this option, the map re-centers itself on the near spacecraft every time a packet from the near spacecraft is received.

COMMANDS/Clear
Removing Latitudes and Longitudes containing 0, 90, and 180 degrees prevents a bad GPS coordinate from sending the map to the North Pole or other nonsense location. Bad coordinates can occur when a GPS loses its lock or when an APRS☐ GPS has not been started.

COMMANDS
By selecting to start Street Atlas, APRS opens Street Atlas when you start APRS. There is no need to start both programs.

COMMANDS/TNC Commands/Tripmate or Garmin
Most GPS receivers, like Garmin and Tripmate, accept commands. APRS commands instruct the GPS which sentences to send.

5402. GPS Signal Quality

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-17 14:30:48 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5402 Message: 5402

Harry, can you send me a copy of the GSV sentences you get with
the GPS in the dash of your car?

Thanks,
Paul

5403. Book Outline

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-17 14:35:49 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5403 Message: 5403

Mike, I'm attaching an outline to the book. If you think it's appropriate and if there's an appropriate place, can you place it into the TVNSP webpage?

As of last night, the book is 430 pages long. Chapters 1 to 10 and 14 are completed (in first draft). Chapter 11 is about 1/2 done and I'd like to have it completed before I leave. during my vacation I'll spend some time on the BS2 lessons appendix. When I get back I want to complete Chapter 12 before school begins.

On some TVNSP flights I want to send copies of the book up for those who helped contribute to the book.

Thanks

5404. TVNSP 2002 Flights

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-17 14:37:34 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5404 Message: 5404

John, can you email me a copy of the notes we wrote down about 2002 flights? I habve a folder for all of them except TV02A. I'll get the t-shirt designed during break.

Paul

5405. 9600 Baud Packet

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-17 15:02:41 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5405 Message: 5405

Back when I was still serving time in Kansas, I heard about 9600 baud packet. I thought it was the new thing and we'd all be running 9600 baud packet very soon. I have yet to hear about anyone sending 9600 baud.

Is it limited to trunks and such?
Is there a 9600 baud community out there?
Is it not popular for reasons I haven't mentioned?

Paul "9600 clueless" Verhage

5406. TNCs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-17 15:05:44 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5406 Message: 5406

I've always used a KPC3+ TNC for main telemetry on my balloons.
The only reason is that the KPC3+ was the only one I had heard
about when I first started this business.

Is there a good reason Kantronics' TNC is so popular? Should we
be looking at other TNCs? Are KPC3's just that good that no other
TNC is used as often?

Paul

5407. Re: [tvnsp] APRS Settings

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-17 15:13:05 UTC
From: Randy Farley
Topic: 5342 Message: 5407

Paul

Port 1 TNC
I think the mode setting should note "MODE7" for
the Kenwood aprs ready radios. And "ALINCO" for their
aprs ready radio.

Still checking your list twice to see if you have been naughty
or nice. ;)

Randy
N7GPS

>>> verhap@... 12/17/02 07:28AM >>>
Here's what I currently have for suggested APRS settings. When
you get a chance, please look them over. I still have a few holes to
fill. Randy gave me some of the answers, but when I printed his
message, text ran off the page. I'll find the message in the
archives and start filling holes this afternoon.

If you any gaps, please let me know. If you have recommended
settings that differ, please let me know also along with an
explanation (there's more than one way to skin a rabbit and I want
to let readers know the reasons behind the selections).

Paul

++++++++++++++++++++++++++++

1.1.3 TVNSP Suggested APRS Setting
These are the APRS setting most frequently used by the
TVNSP Chase Team. Note, APRS is an evolving program.
Settings and their names change from time to time, but this guide
will get you through most of the hurdles.

SETUP
Main Parameters Tab
Callsign: Enter your callsign
Lat: Enter your latitude in decimal degrees
Long: Enter your longitude in decimal degrees
Note: If west of the Prime Meriden, precede the longitude with a
negative sign

Port 1 TNC
Baud: Enter your TNC baud rate (normally 1200)
Port: 1 Com1
Note: This is assuming your TNC is connected to COM Port 1.

Mode: Pico

Port 2 GPS
Baud: 4800
Port: 2 Com2: (or 1 Com1: if using a HSP)
Mode: NMEA
Click the Smart button

TNC Configuration
Select your TNC's initialization settings
Note: INITKAM works for KPC2
INITKPC

Via: RELAY,WIDE3-3

Lists Tab
Click the Only Track This List option

Program Tab
Click the SA4 (or your version of Street Atlas) option
Click the Turn Pause Off After Menu Action On Position
Page option
OR
Click the Turn Scrolling On After Menu Action On Position
Page option
Click the Position Page Update On New Positions Only
option

Fill information for "Agent Character" if using a text-to-speech
add-on like Peedy

Close Setup Window

COMMANDS
Map Features
APRS Tab
Click the Include Track Lines option
Click the Bring SA To The Front On New Map option
Click the Include Callsigns option

Center And Mag Tab
Max Mag: 10
Min Mag: 14
Click the Locate Function Ignore Fixed Center option

Click the OK button

COMMANDS
Clear
Click the Remove Lat/Long = 0 90 180 option

COMMANDS
Click the Start Street Atlas option

COMMANDS
TNC Commands
Tripmate or Garmin
Click the Initialize the GPS option

If you do not wish to repeat this process the new time you go on chase, then do the right thing and register your copy of APRS.

1.1.4 Notes On TVNSP Suggested APRS Settings

SETUP/Main Parameters Tab
Amateur radio and APRS requires a callsign, which every APRS packet sent is prefixed. The latitude and longitude is the initial location of the APRS station and is the position reported if the GPS is left off when APRS is started. A negative longitude is the standard for a west longitude as a positive longitude is the standard for east longitude. Many APRS stations in the US are displayed in the Atlantic Ocean because longitudes are not preceded with a negative symbol.

SETUP/Port 1 TNC and Port 2 GPS
The most effective APRS stations appear to use two separate comm ports for the GPS and TNC as opposed to a hardware serial port (HSP). The HSP electronically switches one comm port between two serial devices. Currently, most packet traffic occurs at 1200 baud (although the technology for 9600 packet does exist) and NMEA compliant GPS receivers operate at 4800 baud. Setting the TNC mode to Pico, the GPS to NMEA and clicking the smart button activates smart beaconing. In smart beaconing, positions from the GPS are sent less frequently as long as there is no change in the speed and direction of the chase vehicle. When the speed or direction changes, an immediate position report is transmitted notifying Mission Control the Chase Team has changed directions. Smart beaconing reduces the amount of packet data required to specify the position of the Chase Team.

SETUP/TNC Configuration
TNC configuration files are text files containing TNC commands for each particular TNC. When started, APRS puts the TNC into the proper settings by sending the commands in the TNC's initialization file to the TNC.

SETUP/Via
Note: Consult with your local APRS community. Some locations do not support RELAYing. A WIDE3-3 setting lets packets from the near spacecraft be relayed three times through digi-peaters.

SETUP/Lists Tab
You select the objects you want to track in the ?????? column, rather than having APRS tracking every APRS packet it receives.

SETUP/Program Tab
There are several mapping programs to select from, not just Street Atlas.

??How are they selected??

Click the Turn Pause Off After Menu Action On Position Page ??????????
Selecting to Position Page Update On New Positions Only prevents APRS from updating the map with every position report.

Several text to speech programs are available for APRS. Peedy is one popular one. Peedy is a parrot program that moves its beak when speaking the text it is receiving. Peedy also moves his head around between text packets. Text-to-speech agents are popular with civies that have never watched the tracking of a near spacecraft.

Other Microsoft Agents include, Genie, Merlin, and Robie. They can be found at http://www.microscoft.com/?????????

COMMANDS/Map Features/APRS Tab
Track lines show the past location of the near spacecraft. Without track lines only the current location is seen without the context of a history. Bringing SA to the front keeps the Street Atlas map in the front window. If the map is not brought to then front, then the Chase Team must click to bring the map to where you can see it. Displaying the callsigns of tracked objects is optional, but useful when trying to identify chase vehicles.

COMMANDS/Map Features/Center And Mag Tab
Street Atlas has a range of magnifications. Select ranges suitable to you, or even do not select a maximum and minimum magnification. The Locate Function Ignore Fixed Center option prevents APRS from centering the Street Atlas map on just the near spacecraft. This is useful when you want to track the Chase Team and their relationship to the near spacecraft. Without selecting this option, the map re-centers itself on the near spacecraft every time a packet from the near spacecraft is received.

COMMANDS/Clear
Removing Latitudes and Longitudes containing 0, 90, and 180 degrees prevents a bad GPS coordinate from sending the map to the North Pole or other nonsense location. Bad coordinates can occur when a GPS loses its lock or when an APRS' GPS has not been started.

COMMANDS
By selecting to start Street Atlas, APRS opens Street Atlas when you start APRS. There is no need to start both programs.

COMMANDS/TNC Commands/Tripmate or Garmin
Most GPS receivers, like Garmin and Tripmate, accept
commands. APRS commands instruct the GPS which sentences
to send.

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tvnsp-unsubscribe@egroups.com

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5408. Smart Beaconing Notes

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-17 15:14:03 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5408 Message: 5408

Bill, in your notes on smart beaconing, you said not to leave old data in your unused buffers. I've seen my capsule start up and send the old data when new data had yet to be sent to it.

How would a tracking vehicle clear their buffers? I clear mine by having the Stamp send new data (not an option on the chase vehicle).

Paul

5409. Re: [tvnsp] ORB-3 Web Site

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-17 15:18:53 UTC
From: Randy Farley
Topic: 5400 Message: 5409

Congratulations Harry and your group.

You guys got wimpy trees out there ;)

That is neet, like Hank mentioned that you can
find your balloon with good old DFing and
the help of many ground stations.

Great pictures again.

>>> harrymue@... 12/16/02 07:19PM >>>
ORB-3 FOUND!

Get all the gory details here...

http://www.gbronline.com/harrymue/ORB3/

Harry
KC5TRB

5410. Re: [tvnsp] GPS Signal Quality

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-17 15:24:57 UTC
From: Harry M
Topic: 5402 Message: 5410

Hi Paul,

> Harry, can you send me a copy of the GSV sentences you get with
> the GPS in the dash of your car?

Do you want the GSV's from my van test using the Tripmate or
from my standard tracker in the Jeep using the Garmin TracPak?
If you want the van test do you want GSV's from all 3 tests?

> Are you interested in chasing lost balloons in Idaho?

Sure! I'm always up for a good chase.

> What beacon are you using?

The beacon I am using is the Keith Koop (K0OP) beacon. I met
him at GPSL 2002. It uses an MM74HC14N Hex Inverting Schmitt
Trigger (DigiKey #MM74HC14N-ND) to turn on a half-size dip
high-frequency crystal oscillator SG-531PTJ series 29.491mhz
(DigiKey #SE1821ND). I used a standard 555 timer in ORB-3 in
place of the Schmitt. The beacon quit last night after +60
hours using a RS 9v lithium. There is no modulation, just a
carrier in FM, but it can be heard very well on SSB and CW and
on all multiples. I have it on 5 sec, off 5 sec. I don't know
the actual power out but is believed to be in the 10ths of a mw.
The biggest problem around metro areas is interference from
consumer electronics.

I'm sure it can be improved on. Doing that is beyond the scope
of my RF knowledge, but as it is it works great!

If you don't get the attach I will send it direct to you.

73
Harry

5411. Fw: [KNSP] ORB

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-17 15:41:16 UTC
From: Harry M
Topic: 5411 Message: 5411
Attachments: 1 described; binary payloads are missing from this source WARC

OOPS! Forgot the beacon drawing...
Here it is.

Harry

5412. Re: [tvnsp] TNCs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-17 15:47:07 UTC
From: Randy Farley
Topic: 5406 Message: 5412

From what i have read,they are the most stable (don't loose parameter settings) when it comes to power supply deviation. The Paccom tnc's tend to loose their brains with any fluctuation in voltage supply. Not a good thing at 100K feet.

I started with an AEA PK-12 and it acted the same way. It is also very limited in its control over beacon rate and the type of NMEA sentences it can use from a gps. No telemetry control whatsoever.

The KPC3+ became very popular
mainly due to the fact it had an extra port for the gps/radio which freed up the serial port for the laptop.

My little knowledge base.

Randy

>>> verhap@... 12/17/02 08:05AM >>>
I've always used a KPC3+ TNC for main telemetry on my balloons.
The only reason is that the KPC3+ was the only one I had heard
about when I first started this business.

Is there a good reason Kantronics' TNC is so popular? Should we
be looking at other TNCs? Are KPC3's just that good that no other
TNC is used as often?

Paul

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5413. Re: [tvnsp] 9600 Baud Packet

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-17 16:05:10 UTC
From: Randy Farley
Topic: 5405 Message: 5413

From what i have read.
Most people do not have a good deviation meter to check
their signal . 9600 baud is not forgiving with a sloppy
signal. Some say ham radios do not do a good job with 9600.
With 1200 baud,you can get pretty close
with just your ear or calibrating with another stations tnc.

The Seattle area is really into 9600 baud from what i have
read in the nwsig group.

>>> verhap@... 12/17/02 08:02AM >>>
Back when I was still serving time in Kansas, I heard about 9600
baud packet. I thought it was the new thing and we'd all be running
9600 baud packet very soon. I have yet to hear about anyone
sending 9600 baud.

Is it limited to trunks and such?
Is there a 9600 baud community out there?
Is it not popular for reasons I haven't mentioned?

Paul "9600 clueless" Verhage

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tvnsp-unsubscribe@egroups.com

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5414. Re: [tvnsp] GPS Signal Quality

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-17 16:07:47 UTC
From: Harry M
Topic: 5402 Message: 5414
Attachments: 2 described; binary payloads are missing from this source WARC

Attached is a pic of another of my K0OP beacons encapsulated in epoxy.

I am working on another 2m beacon using a Motorola MC2831 FM xmtr
on a chip. It has a tone oscillator on chip and puts out a lot
more power than the K0OP beacon. The 2831 was used in 49mhz
portable phones. There is also an MC2833 FM xmtr chip that does
not have a tone osc. on chip. The Motorola data book gives
component values for the 2833 on 2m, but not the 2831 which is
on 49mhz. I need for someone to refigure the RF out circuit on
the 2831 for 2m. I am using a 12.288 mhz which puts the output
on 147.456 mhz I have attached the 2831 circuit if someone can do
that for me. I would appreciate it!

Harry

5415. Re: [KNSP] TNCs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-17 16:10:54 UTC
From: n9xtn@cox.net
Topic: 5415 Message: 5415

I chose a KPC-3 (1) because I had one to spare, (2) KNSP used it and I copied major elements of that design, and (3) the KPC-3's are just about bulletproof, RFI-proof, etc. I've had no failures during testing or flight that could be traced to a KPC-3 hardware problem.

I use a v6.0 for the payload and an KPC-3+ v8.3 in the car for tracking. Since I run all telemetry output through the converse mode, I don't need a 2nd serial port on the balloon (though doing so does offer redundancy). Using the 2nd serial port on the TNC for my chase setup allows me to use 2 serial ports on the laptop to let Street Atlas USA show me the "green arrow" for 1 serial input (live GPS data) and APRSPlus gets its GPS data using "Pico" mode.

I've been hearing about a new soundcard TNC program from the APRSSIG (MixW32?). Supposedly it outperforms hardware TNCs. This might have potential for a chase setup.

73 de Mark N9XTN

5416. Re: [tvnsp] GPS Signal Quality

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-17 17:01:25 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5402 Message: 5416

> > Harry, can you send me a copy of the GSV sentences you get with
> > the GPS in the dash of your car?
>
> Do you want the GSV's from my van test using the Tripmate or
> from my standard tracker in the Jeep using the Garmin TracPak?
> If you want the van test do you want GSV's from all 3 tests?

Interesting. I hadn't thought to comparing the GPS recievers. Can
you send me both? Right now I'm adding about how placement of
the GPS effects signal quality. I could now compare two different
GPS recievers

> > Are you interested in chasing lost balloons in Idaho?
>
> Sure! I'm always up for a good chase.

TVNSP is getting ready to announce the Northwest Super Launch
for the Memorial Day. This will be an opportunity for people to
launch and chase at two events as EOSS would like to host GPSL
in Colorado in 2003. We'll mnake an announcement soon, so this
is just a heads up.

> > What beacon are you using?
>
> The beacon I am using is the Keith Koop (K0OP) beacon.

> If you don't get the attach I will send it direct to you.

I'd would definitely like to get the schematic for the circuit. I'll
make a PCB of it and send several copies to you. I'd like to
experiment with having a PIC take the place of the 555 and use it
to send simple sensor data like temperature. In a future flight, one
of my capsules would start a tape recorder, release the dropsonde,
record the transmissions from the dropsonde on tape, then play it
back over the radio or we'd decode the tape after recovery.

I didn't get an attachment with this email. Was the attachment the
scheamtic?

Paul

5417. Re: [tvnsp] GPS Signal Quality

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-17 17:15:50 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5402 Message: 5417

Harry, I can't extract your images.

> Attached is a pic of another of my K0OP beacons encapsulated in epoxy.

> I am working on another 2m beacon using a Motorola MC2831 FM xmtr
> on a chip. It has a tone oscillator on chip and puts out a lot
> more power than the K0OP beacon. The 2831 was used in 49mhz
> portable phones. There is also an MC2833 FM xmtr chip that does
> not have a tone osc. on chip. The Motorola data book gives
> component values for the 2833 on 2m, but not the 2831 which is
> on 49mhz. I need for someone to refigure the RF out circuit on
> the 2831 for 2m. I am using a 12.288 mhz which puts the output
> on 147.456 mhz I have attached the 2831 circuit if someone can do
> that for me. I would appreciate it!

I'll see if I can figure something out. Hank I think has done some of this, he may be able to help out also.

Paul

5418. Re: [tvnsp] GPS Signal Quality

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-17 17:41:25 UTC
From: Harry M
Topic: 5402 Message: 5418

Paul, they are standard JPG created in PaintShop Pro 7.
Should I try to send them as BMP?

Harry

> Harry, I can't extract your images.

5419. Using Motorola single chip FM transmitter ICs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-17 17:55:50 UTC
From: Hank <n1ltv@yahoo.com>
Topic: 5402 Message: 5419

> The 2831 was used in 49mhz
> portable phones. There is also an MC2833 FM xmtr chip that does
> not have a tone osc. on chip. The Motorola data book gives
> component values for the 2833 on 2m, but not the 2831 which is
> on 49mhz.

There's a good reason for the absence of that information.
The 2831 lacks *two* rf multiplier stages that the 2833 has.

Without that "times 4" multiplication factor available, the
2831 doesn't do 144 Mhz very well at all.

You could try it just to see what you get. To get even
a rough idea of power out on 144 MHz you'll probably need
a spectrum analyzer or a narrow pass filter feeding a
wideband sensitive rf power meter becaue there will be
rf at lower than 144.

To tune the 2831 to 144 MHz you just need to resonate that
tapped antenna inductor to 144 MHz. The tapping is done to
get an impedance transformation besides being a tuned
circuit that favors 144 MHz.

I'd recommend setting the crystal frequency as high as the
2831 will go, certainly higher than 12 MHz which would mean
a 12 times multiplication which is totally too much.

If the crystal played at 24 Mhz (144/6) or at least 18 MHz
(144/8) you'd be much better off. 28.8 would be even better
still (144/5).

> I need for someone to refigure the RF out circuit on
> the 2831 for 2m. I am using a 12.288 mhz which puts the output
> on 147.456 mhz.

In a little while I'll come back with the retuned
component values and the explanation of their significance.
The .47 microhenry coil can be reduced to .1 microhenry with
the parallel cap values the same.

Hank

5420. viewing ORB image attachments

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-17 18:02:00 UTC
From: Hank <n1ltv@yahoo.com>
Topic: 5402 Message: 5420

> Paul, they are standard JPG created in PaintShop Pro 7.

I could view the images directly in IE4 from ygroups
website, but I couldn't view them as downloaded files
when viewed by LView or an old Paintshop.

This is the first time Paintshop has not been able to
handle an image that IE4 could. This problem has happened
only very rarely with LView

I'll try a screen capture and then creating the image
in one of these external viewers; that should work
for everything.

Hank

5421. Re: [tvnsp] Using Motorola single chip FM transmitter ICs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-17 18:30:41 UTC
From: Harry M
Topic: 5402 Message: 5421

Hank,

I am using a 5.6 uH coil in place of the 4.7 uH
on the xtal now with the same value caps. These
are the values for the 2833.

> The .47 microhenry coil can be reduced to .1 microhenry with
> the parallel cap values the same.

5422. Re: [tvnsp] GPS Signal Quality

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-17 18:34:28 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5402 Message: 5422

Give that a try and we'll see what happens.

Paul

>
> Paul, they are standard JPG created in PaintShop Pro 7.
> Should I try to send them as BMP?
>
> Harry
>
> > Harry, I can't extract your images.
>
>
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
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>
>

5423. Re: Using Motorola single chip FM transmitter ICs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-17 18:54:25 UTC
From: Hank <n1ltv@yahoo.com>
Topic: 5402 Message: 5423

> I am using a 5.6 uH coil in place of the 4.7 uH
> on the xtal now with the same value caps. These
> are the values for the 2833.

Harry,

The 4.7 uH coil doesn't matter; in fact it can be omitted.
It's there just to tune the crystal a little (bending).

I'm sending you separately a 2831 schematic with added tuned
circuit part identifiers so we can be clear about what we're
talking about.

Hank

5424. Re: [tvnsp] Re: Using Motorola single chip FM transmitter ICs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-17 19:46:42 UTC
From: Harry M
Topic: 5402 Message: 5424

Thanks Hank!

Harry

> The 4.7 uH coil doesn't matter; in fact it can be omitted.
> It's there just to tune the crystal a little (bending).
>
> I'm sending you separately a 2831 schematic with added tuned
> circuit part identifiers so we can be clear about what we're
> talking about.
>
> Hank

5425. ORB Beacon

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-17 20:01:03 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5425 Message: 5425

Harry, I got your schematic from Hank. It looks like the same design I got from the wichita group when I still lived in Kansas. I've only had one experience with the beacon. Mark, I and several others where part of the KNSP Chase Team for a dual launch (98B as I recall). We also had to track the capsule on it's milliwatt beacon and ended up finding home electronics instead.

I'll design a PCB for the beacon for anyone interested. Send me email and let me know.

Harry, can you tell me how you used the 555 in the circuit? was it as a replacement for the inverters? In that case, does pin 3 of the 555 connect to pin 14 of the crystal?

I think a PIC can modulate the 555, sending simple telemetry.

Paul

5426. Re: TNCs

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-17 20:22:48 UTC
From: Don Pfister
Topic: 5406 Message: 5426

tvnsp@yahoogroups.com wrote:

> Message: 6
> Date: Tue, 17 Dec 2002 08:05:44 -700
> From: <verhap@...>
> Subject: TNCs
>
> ...
>
> Is there a good reason Kantronics' TNC is so popular? Should we
> be looking at other TNCs? Are KPC3's just that good that no other
> TNC is used as often?
>
> Paul

Paul there are 3 things that come to my mind in answer to this question - maybe more as I think about it.

1) Light weight/small size - I saw on one groups web site - without the case it weights about 4 oz.
2) Low power - one 9v battery - I use Lithium in my capsule - my other TNCs require 12v or more
3) APRS aware - direct GPS connect with selected string output - this might be considered 2 reasons

Basically a KPC3+, GPS, and radio is a complete balloon capsule system. All being low power, very light weight is required (wasted?) in batteries. Guessing, 4 oz + 4 oz + 4 oz (generous estimates?) about a 1 lb payload.

I guess readily available is another. I have seen some of the other small TNCs (Pico?) advertised but they are not carried in our local HAM store.

As I recall several years ago, Kantronics was very responsive to the Ham (i.e. APRS) community, I think that went a long way in them becoming popular. I think APRS is probably the most overall active digital mode in ham radio.

Anyway, there is my nickels worth.

--

[Signature File]
Name=Don Pfister KA0JLF
PFranc of KS - GPS cables and connectors
Founder of HABITAT SkyLab
(High Altitude Basic Investigation Testing And Tracking)

5427. Re: [tvnsp] Smart Beaconing Notes

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-17 20:23:39 UTC
From: BILL HERRMANN
Topic: 5408 Message: 5427

> Bill, in your notes on smart beaconing, you said not to leave old data
> in your unused buffers. I've seen my capsule start up and
> send the old data when new data had yet to be sent to it.

I was thinking more of the case where you've previously used the LT buffers but have scaled back their use. You're thinking of before the GPS starts sending valid data.

> How would a tracking vehicle clear their buffers? I clear mine by
> having the Stamp send new data (not an option on the chase
> vehicle).

You can manually clear the buffers with the LT command or there is a parameter "CLEAR" that clears them after the data is sent.

I got bit by turning off GPSHEAD for 1 I wasn't using but not clearing the data out of the LT buffer. The TNC worked fine stand-alone, but when I used smart beaconing it got the content of all 4 buffers and sometimes randomly chose the one with non-current data in it. (That's what I get for trying to economize.)

Bill

5428. Re: [KNSP] 9600 Baud Packet

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-17 19:22:16 UTC
From: Mike Manes
Topic: 5428 Message: 5428

Hi Paul,

9600 baud packet does work, but it's a bit of a struggle which is why it's not in wider use.

Normal voice FM receiver and xmtr audio amps cut off above 3 KHz and thus won't pass a 9600 baud signal. So the xmit audio must take it's own path directly to the xmtr modulator varactor, and recv audio must be pulled directly off the discriminator. Some newer xcvrs do provide those hooks, though.

Although Part 97.305 does allow up to 19.6 kbaud on 2m, most of the 9600 baud stuff appears on 70 cm since its such a bandwidth hog (20 KHz).

And because the receiver bandwidth is over 20 KHz wide, it hears more noise than a normal FM xcvr, so SNR is degraded unless xmtr ERP is boosted proportionately.

73 de Mike W5VSI

verhap@... wrote:
>
> Back when I was still serving time in Kansas, I heard about 9600
> baud packet. I thought it was the new thing and we'd all be running
> 9600 baud packet very soon. I have yet to hear about anyone
> sending 9600 baud.
>
> Is it limited to trunks and such?
> Is there a 9600 baud community out there?
> Is it not popular for reasons I haven't mentioned?
>
> Paul "9600 clueless" Verhage
>
>
> To unsubscribe from this group, send an email to:
> KNSP-unsubscribe@yahoogroups.com
>
> List owner: KNSP-owner@yahoogroups.com
> Group URL: http://groups.yahoo.com/group/KNSP
>
>
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--
Mike Manes manes@... Tel: 303-979-4899
"Things should be made as simple as possible, but not more so." A.

Einstein

5429. Re: [tvnsp] 9600 Baud Packet

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-17 23:57:33 UTC
From: BILL HERRMANN
Topic: 5405 Message: 5429

> Is there a 9600 baud community out there?

The HP BBS has a 9600 link.

Bill

5430. Re: [tvnsp] Re: Party - Party

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-18 02:52:51 UTC
From: Stephanie Steele
Topic: 5333 Message: 5430

Ok, but I got the message on Tuesday December 17th and still don't have directions ;-)

Stephanie

verhap@... wrote:

> We're modifying DJ-S11s and making some antennas. Bring any
> of that thin coax. Also, can you bring your little digital camera? I'd
> like to look into opening it up.
>
> Paul
>
> > Please re-post directions to the party tomorrow. Also, remind me what
> > besides the assigned food items we need to bring. Thanks.
> >
> > Stephanie
> >
> >
> > Doug Rich wrote:
> >
> > > *Madge and I will be there tomorrow. Please let me know what you
> want
> > > us to bring (pot luck (lick))? I may have to look back in other
> > > emails to see the directions. Thanks
> > > Doug W7DVR
> > >
> > > *At 02:50 AM 12/13/02 +0000, you wrote:
> > >
> > >> hey
> > >>
> > >> my car's in the shop right now, so I doubt that I'll be able
> > >> to make it, unfortunately! :-(I really wanted to come, too --
> > >> if it gets fixed by then, I'll let you know. Otherwise, I'll
> > >> probably be able to make it to those classes in january.
> > >>
> > >> Srry about that!
> > >>
> > >> David
> > >>
> > >>
> > >>
> > >>
> > >> To unsubscribe from this group, send an email to:
> > >> tvnsp-unsubscribe@egroups.com
> > >>

> > >>
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5431. More APRS Questions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-18 15:10:48 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 5431 Message: 5431

I read that if we use a Kenwood data radio, the Port 1 TNC setting should be MODE7. As far as I know, no one here is using the data radios connected to a laptop running APRS. Does everyone have their Port 1 TNC setting set to Pico? Does that work for all non-data radios?

Some of the TVNSP Chase Team sets a min and max mag.
Randy says he doesn't set those, but instead uses Locate function Ignore Fixed Center. Randy's setting lets him zoom out to see the balloon and chase crews. Street Atlas doesn't zoom back in when a packet froom the balloon is recieved. Should that be the standard? Is there a reason for setting a max and min mag?

As I recall, you select a version of Street Atlas by clicking one of the listed options. Are there other mapping programs that people with with APRS (obviously that wouldn't be APRS+ SA). Do you select versions of some other mapping program the same way? Is anyone in TVNSP using something other than SA?

What are the names of the columns inb APRS that shows you the hear stations and the stations you are tracking? I recall once when I ran Jeff's tracker, I clicked on a station in one column to move it over to the column filled with callsigns that were displayed in SA.

The KPC3+ has two ports, allowing you to connect a GPS reciever to it. For those using an older TNC with only one port, I assume they have to connect the GPS to a second port on the laptop. Is that true?

Does anyone like the HSP?

That's it so far. Thanks.

Paul

5432. Re: [KNSP] More APRS Questions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-18 15:29:36 UTC
From: Mark Conner
Topic: 5432 Message: 5432

I read that if we use a Kenwood data radio, the Port 1 TNC setting should be MODE7. As far as I know, no one here is using the data radios connected to a laptop running APRS. Does everyone have their Port 1 TNC setting set to Pico? Does that work for all non-data radios?

You'd have to have a TNC capable of responding to ctrl-E's (PicoPacket, KPC-3+, etc.). Otherwise use "normal".

Some of the TVNSP Chase Team sets a min and max mag.
Randy says he doesn't set those, but instead uses Locate function Ignore Fixed Center. Randy's setting lets him zoom out to see the balloon and chase crews. Street Atlas doesn't zoom back in when a packet froom the balloon is recieved. Should that be the standard? Is there a reason for setting a max and min mag?

Under Map Options, I use "Center Tracks Me" and let the zoom go out so the balloon is on the screen. As I get closer to the balloon, the zoom goes in so that more details are brought up on the screen. I generally put only myself and the balloon on the tracking list so that if I stop getting updates from some other tracked vehicle, the zoom doesn't stay out trying to keep him on the screen.

As I recall, you select a version of Street Atlas by clicking one of the listed options. Are there other mapping programs that people with with APRS (obviously that wouldn't be APRS+ SA). Do you select versions of some other mapping program the same way? Is anyone in TVNSP using something other than SA?

To my knowledge, APRS+SA is the only program that needs this. That's because the file extensions changed with each version (.SA7, .SA8, .SA9,...).

What are the names of the columns inb APRS that shows you the hear stations and the stations you are tracking? I recall once when I ran Jeff's tracker, I clicked on a station in one column to move it over to the column filled with callsigns that were displayed in SA.

"Track" tab.

The KPC3+ has two ports, allowing you to connect a GPS reciever to it. For those using an older TNC with only one port, I assume they have to connect the GPS to a second port on the laptop. Is that true?

Yes.

Does anyone like the HSP?

No, nobody on the planet does. :) As you might recall, I used one for my first two chases in 1998 with KNSP. Rapidly found it was worth the $80-100 for a PC Card serial port. Since then, more laptops have USB ports and USB-serial converters are ~$40. If you have any choice at all, use a 2nd serial port in some form rather than HSP. I found that the switching would corrupt many incoming packets - if you switch often to keep your own position updated, you lose more balloon data, and if you don't switch often you don't stay updated on your own location relative to the balloon.

73 de Mark N9XTN

Mark D. Conner
E-mail: n9xtn@...
Homepage: http://members.cox.net/mconner1
"Arrogance and stupidity, all in the same package.....how efficient of you!" - Ambassador Londo Mollari, Babylon 5

5433. Re: [tvnsp] More APRS Questions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-18 16:00:46 UTC
From: Randy Farley
Topic: 5431 Message: 5433

>>> verhap@... 12/18/02 08:10AM >>>
I read that if we use a Kenwood data radio, the Port 1 TNC setting
should be MODE7. As far as I know, no one here is using the data
radios connected to a laptop running APRS. Does everyone have
their Port 1 TNC setting set to Pico? Does that work for all non-
data radios?

Some of the TVNSP Chase Team sets a min and max mag.
Randy says he doesn't set those, but instead uses Locate function
Ignore Fixed Center. Randy's setting lets him zoom out to see the
balloon and chase crews. Street Atlas doesn't zoom back in when
a packet froom the balloon is recieved. Should that be the
standard? Is there a reason for setting a max and min mag?

Probably the main reason i don't use the min and max settings is
just personal preferences. Seems like i played with the settings and
my laptop or map program would lock up. I would just offer the choices
and let people choose which one they like.
Setting a max or min mag keeps you zoomed in on the balloon if
that is what you want.

As I recall, you select a version of Street Atlas by clicking one of
the listed options. Are there other mapping programs that people
with with APRS (obviously that wouldn't be APRS+ SA). Do you
select versions of some other mapping program the same way? Is
anyone in TVNSP using something other than SA?

Yes there are many more aprs programs that use other
mapping software.
APRSdos + make your own maps or use many of Bob B's.
UI-view + Precision Mapping.
APRSpoint + Mappoint.
Winaprs + Precision Mapping.
pocketAPRS for palms and APRSce for other handhelds.
There are versions that i have probably missed.
I registered APRS+SA,Winaprs,PocketAPRS and DosAPRS.
Here again it is a group or personal preference.

What are the names of the columns inb APRS that shows you the
hear stations and the stations you are tracking? I recall once when
I ran Jeff's tracker, I clicked on a station in one column to move it
over to the column filled with callsigns that were displayed in SA.

The KPC3+ has two ports, allowing you to connect a GPS reciever
to it. For those using an older TNC with only one port, I assume
they have to connect the GPS to a second port on the laptop. Is

that true?

Does anyone like the HSP?

That's it so far. Thanks.

Paul

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5434. Re: [tvnsp] More APRS Questions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-19 01:49:11 UTC
From: Jeff Melanson
Topic: 5431 Message: 5434

Paul,

verhap@... wrote:
>

> Does everyone have
> their Port 1 TNC setting set to Pico? Does that work for
> all non data radios?

I use Pico with my KPC3+ because Normal doesn't work with
it. If I remember none of the other choices worked either.

> Some of the TVNSP Chase Team sets a min and max mag.
> Randy says he doesn't set those, but instead uses Locate
> function
> Ignore Fixed Center. Randy's setting lets him zoom out to
> see the
> balloon and chase crews. Street Atlas doesn't zoom back
> in when
> a packet froom the balloon is recieved. Should that be
> the
> standard? Is there a reason for setting a max and min
> mag?

I don't believe there should be a standard. I suggest you
tell the reader where he/she can get more information on how
to use APRS and let them decide for themselves.
Street Atlas does not stay where you zoom it to. It is under
the control of APRS+. APRS+ will change your zoom level
based on the settings you set in APRS+. It would be nice if
you could change the zoom in Street
Atlas and have it stay there but APRS+ doesn't know what you
did in Street Atlas.

> What are the names of the columns inb APRS that shows you
> the
> hear stations and the stations you are tracking? I recall
> once when
> I ran Jeff's tracker, I clicked on a station in one column
> to move it
> over to the column filled with callsigns that were
> displayed in SA.

The three columns are 'Stationary', 'Moving', and 'Tracking
List'. You double click on a station in the 'Moving' list
and that adds the station to the 'Tracking List'. You click
on the box for ENABLE TRACKING and Auto Map Update to have

APRS+ update Street Atlas when a position is received from any station in the 'Tracking List'. With this method you only show the last station tracked on the map. You cannot have multiple stations on the map at the same time. I no longer use this method (well not always). Randy has shown me how to use the Maps tab in APRS+ to display several stations at the same time. You still place the stations you want to track in the 'Tracking List'(on the Track tab) and I think you still select ENABLE TRACKING (Randy?) but DON'T select Auto Map Update. Instead go to the Maps page by selecting the Maps tab. On this page select Map4 by clicking the 'Select Maps' tab and clicking on Map4. Map4 is called Latest-Tracked (I'm not sure what the difference is between Map4 and Map3 which is called All-Tracked). Near the top of the page is a box where you enter the how often in seconds that you want the map to update. I usually use 30 seconds. Next you click on the box called 'Enabled' which does the same thing as ENABLE TRACKING on the Track page. Now your Street Atlas map will be updated every 30 seconds(or whatever you set) with the last known positions of each station your tracking. You select the amount of zoom in map options. There are two ways to get to map options. The simple way is to click on the Maps button (not the Maps tab) and your there. Next click on the 'Center & Mag' tab. Here you can select a fixed magnitude or a Min and Max magnitude. I have used both. The important thing to remember is that APRS will set the center of the map in the center of the stations you are tracking therefore if you zoom in to much then your stations may be off the screen.

As you can see there is more than one way to track. The user should try both and decide what works for him/her.

> That's it so far. Thanks.
>
> Paul
>

Hope this helps.

Jeff
KD7INN

5435. Re: [tvnsp] More APRS Questions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-19 01:56:28 UTC
From: Jeff Melanson
Topic: 5431 Message: 5435

> Randy says he doesn't set those, but instead uses Locate
> function
> Ignore Fixed Center. Randy's setting lets him zoom out
> to
> see the
> balloon and chase crews. Street Atlas doesn't zoom back
> in when
> a packet froom the balloon is recieved. Should that be
> the
> standard? Is there a reason for setting a max and min
> mag?

Randy,

I re-read this and now I'm wondering is that right? You can
prevent APRS+ from changing your zoom level?

Jeff
KD7INN

5436. TNC Settings

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-19 15:02:35 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2663 Message: 5436

I pretty much have documented the APRS settings for chasing balloons. I now need to document the TNC settings. When someone has a chance, can you look at your car's TNC and let me know your settings? The one I know now is the MYCALL. Other than that, I don't know what the settings should be.

I guess LT buffers need to be set up if you're connecting the GPS to the TNC's second comm port. Then you'd also have to set up the second comm port (I have that command already documented for TNCs on the near space capsule).

If you don't run a second comm port on the TNC then you must have the second port on your laptop. In that case I'll need to know what TNC settings are use and what APRS setting to change (if any).

Thanks for your help. I added three pages to Chapter 11 last night just explaining how to add the second comm port to the TNC and how to connect the GPS and HT.

Paul

5437. Re: [tvnsp] TNC Settings

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-19 15:57:23 UTC
From: Harry M
Topic: 2663 Message: 5437

It would be nice to have the settings for HSP also.
There are those out there running old single port
laptops and single port TNC's.

Harry

>
> If you don't run a second comm port on the TNC then you must
> have the second port on your laptop. In that case I'll need to know
> what TNC settings are use and what APRS setting to change (if
> any).
>

5438. 555 Micro-Beacon

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-19 20:29:34 UTC
From: Harry M
Topic: 5438 Message: 5438
Attachments: 1 described; binary payloads are missing from this source WARC

Here is a new beacon that a friend of mine, K5LAD, dug up.

Harry

5439. Re: [tvnsp] More APRS Questions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-19 23:07:25 UTC
From: Randy Farley
Topic: 5431 Message: 5439

Jeff Melanson wrote:
>
>
>
> I use Pico with my KPC3+ because Normal doesn't work with
> it. If I remember none of the other choices worked either.
>
> > Some of the TVNSP Chase Team sets a min and max mag.
> > Randy says he doesn't set those, but instead uses Locate
> > function
> > Ignore Fixed Center. Randy's setting lets him zoom out to
> > see the
> > balloon and chase crews. Street Atlas doesn't zoom back
> > in when
> > a packet froom the balloon is recieved. Should that be
> > the
> > standard? Is there a reason for setting a max and min
> > mag?
>
> I don't believe there should be a standard. I suggest you
> tell the reader where he/she can get more information on how
> to use APRS and let them decide for themselves.

I AGREE

> Street Atlas does not stay where you zoom it to. It is under
> the control of APRS+. APRS+ will change your zoom level
> based on the settings you set in APRS+. It would be nice if
> you could change the zoom in Street
> Atlas and have it stay there but APRS+ doesn't know what you
> did in Street Atlas.
>
> > What are the names of the columns inb APRS that shows you
> > the
> > hear stations and the stations you are tracking? I recall
> > once when
> > I ran Jeff's tracker, I clicked on a station in one column
> > to move it
> > over to the column filled with callsigns that were
> > displayed in SA.
>
> The three columns are 'Stationary', 'Moving', and 'Tracking
> List'. You double click on a station in the 'Moving' list
> and that adds the station to the 'Tracking List'. You click
> on the box for ENABLE TRACKING and Auto Map Update to have

> APRS+ update Street Atlas when a position is received from
> any station in the 'Tracking List'. With this method you
> only show the last station tracked on the map. You cannot
> have multiple stations on the map at the same time. I no
> longer use this method (well not always). Randy has shown me
> how to use the Maps tab in APRS+ to display several stations
> at the same time. You still place the stations you want to
> track in the 'Tracking List'(on the Track tab) and I think
> you still select ENABLE TRACKING (Randy?) YES
but DON'T select
> Auto Map Update. Instead go to the Maps page by selecting
> the Maps tab. On this page select Map4 by clicking the
> 'Select Maps' tab and clicking on Map4. Map4 is called
> Latest-Tracked (I'm not sure what the difference is between
> Map4 and Map3 which is called All-Tracked).

Map3 (All-Tracked) = All position reports for stations in the
"tracking
list".

Map4 (Latest-Tracked)= The LATEST position for stations in the
"tracking"
list".

Near the top of
> the page is a box where you enter the how often in seconds
> that you want the map to update. I usually use 30 seconds.
> Next you click on the box called 'Enabled' which does the
> same thing as ENABLE TRACKING on the Track page. Now your
> Street Atlas map will be updated every 30 seconds(or
> whatever you set) with the last known positions of each
> station your tracking. You select the amount of zoom in map
> options. There are two ways to get to map options. The
> simple way is to click on the Maps button (not the Maps tab)
> and your there. Next click on the 'Center & Mag' tab. Here
> you can select a fixed magnitude or a Min and Max magnitude.
> I have used both. The important thing to remember is that
> APRS will set the center of the map in the center of the
> stations you are tracking therefore if you zoom in to much
> then your stations may be off the screen.
> As you can see there is more than one way to track. The user
> should try both and decide what works for him/her.
>
> > That's it so far. Thanks.
> >
> > Paul
> >
>
> Hope this helps.
>
> Jeff

> KD7INN
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
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--
Regards,

Randy Farley
N7GPS -Ham Call-
My QTH at: http://map.findu.com/n7gps
Find Me Mobile at: http://map.findu.com/n7gps-9

5440. RE: [tvnsp] TNC Settings

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-19 23:21:14 UTC
From: BLOHM,BILL (HP-Boise,ex1)
Topic: 2663 Message: 5440

I was discussing the TNC settings with the other Bill (KD7MJC) and raised a couple of points he suggested I pass on.

If it's not already explicitly set in the list of recommended TVNSP TNC settings, set the TNC to reject connect attempts. Failing to do so will really drain the batteries if someone decides to connect to the TNC and leave a message in the pbbs, for example.

Since the control operator may need to access the TNC to modify a parameter or two, also set up for remote access. This will allow you to refuse connections but still allow gaining control of the TNC in an emergency.

Another that might be worth looking at is to set up the TNC to only allow connections from specified call signs.

73 de Bill, KC7JSD

5441. Re: [tvnsp] More APRS Questions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-19 23:27:41 UTC
From: Randy Farley
Topic: 5431 Message: 5441

It does not exactly freeze the zoom level, it just keeps all tracked stations on the map.
So if one chase station was really lost,it could result in a low zoom rate (zoomed out to 10 or 12 mag.?). If everyone is within 5 or 10 miles
of the balloon,then you stay zoomed in around 14 to 18 mag.
SA uses the maximum magnification (zoom in) level to fit all "tracked" objects on the map determined by APRSplus.
This make sense ?

Another trick i found on the last chase. In the "position 2" tab,right click and bring up a menu box. Check "Turn ON Range/Bearing Update"
This keeps you updated on the range and bearing that "you" are from the balloon and other chase members.

This is the one weak point of APRS+; poor documentation.%#@!!

Jeff Melanson wrote:
>
> > Randy says he doesn't set those, but instead uses Locate
> > function
> > Ignore Fixed Center. Randy's setting lets him zoom out
> > to
> > see the
> > balloon and chase crews. Street Atlas doesn't zoom back
> > in when
> > a packet froom the balloon is recieved. Should that be
> > the
> > standard? Is there a reason for setting a max and min
> > mag?
>
> Randy,
>
> I re-read this and now I'm wondering is that right? You can
> prevent APRS+ from changing your zoom level?
>
> Jeff
> KD7INN
>
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> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

--
Regards,

Randy Farley
N7GPS -Ham Call-
My QTH at: http://map.findu.com/n7gps
Find Me Mobile at: http://map.findu.com/n7gps-9

5442. Re: [tvnsp] TNC Settings

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-20 01:10:06 UTC
From: Jeff Melanson
Topic: 2663 Message: 5442

Paul,

Do you want to borrow my KPC-3+ User's Guide? I have two of
them.

Jeff
KD7INN

verhap@... wrote:
>
> I pretty much have documented the APRS settings for
> chasing
> balloons. I now need to document the TNC settings. When
> someone has a chance, can you look at your car's TNC and
> let me
> know your settings? The one I know now is the MYCALL.
> Other
> than that, I don't know what the settings should be.
>
> I guess LT buffers need to be set up if you're connecting
> the GPS
> to the TNC's second comm port. Then you'd also have to
> set up
> the second comm port (I have that command already
> documented
> for TNCs on the near space capsule).
>
> If you don't run a second comm port on the TNC then you
> must
> have the second port on your laptop. In that case I'll
> need to know
> what TNC settings are use and what APRS setting to change
> (if
> any).
>
> Thanks for your help. I added three pages to Chapter 11
> last night
> just explaining how to add the second comm port to the TNC
> and
> how to connect the GPS and HT.
>
> Paul
>
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5443. Re: [tvnsp] TNC Settings

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-20 00:39:50 UTC
From: Randy Farley
Topic: 2663 Message: 5443

Here are the settings i use for everyday aprs use.
It covers KPC's and PacComms pretty well.
Once again milage may vary.
One Note not to overlook: If using a KPC+ the INT command
should be set to "TERMINAL" and GPSPORT needs to be set
to "4800 NORMAL CHECKSUM".

http://nwaprs.org/aprssettings.htm#MobileKPC-3

I only change the BT,BLT,GPShead and LTP commands for chases.
I have the BT say something about the launch.
I just use BLT 1 00:05:00. Is this too low or high?
GPShead 1 is set to $GPGGA
LTP 1 is set to GPSLV via relay,wide2-2
I have a separate "initkpc3.tnc" file which i load into the tnc
before launch.

My itty bitty input. Happy Holidays.

verhap@... wrote:
>
> I pretty much have documented the APRS settings for chasing
> balloons. I now need to document the TNC settings. When
> someone has a chance, can you look at your car's TNC and let me
> know your settings? The one I know now is the MYCALL. Other
> than that, I don't know what the settings should be.
>
> I guess LT buffers need to be set up if you're connecting the GPS
> to the TNC's second comm port. Then you'd also have to set up
> the second comm port (I have that command already documented
> for TNCs on the near space capsule).
>
> If you don't run a second comm port on the TNC then you must
> have the second port on your laptop. In that case I'll need to know
> what TNC settings are use and what APRS setting to change (if
> any).
>
> Thanks for your help. I added three pages to Chapter 11 last night
> just explaining how to add the second comm port to the TNC and
> how to connect the GPS and HT.
>
> Paul
>
>
> To unsubscribe from this group, send an email to:
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>
>
>
> Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

--
Regards,

Randy Farley
N7GPS -Ham Call-
My QTH at: http://map.findu.com/n7gps
Find Me Mobile at: http://map.findu.com/n7gps-9

5444. Re: [tvnsp] TNC Settings

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-20 01:33:38 UTC
From: John Knapp
Topic: 2663 Message: 5444

I would keep the TNC user information as generic as possible. Not everyone uses KPC-3+ TNC. And the way electronics change, it could be out of date before it is published.

My half-cents worth.
JohnK (a non-KPC user)

--- Jeff Melanson <kd7inn@...> wrote:
> Paul,
>
> Do you want to borrow my KPC-3+ User's Guide? I have
> two of
> them.
>
> Jeff
> KD7INN
>
> verhap@... wrote:
> >
> > I pretty much have documented the APRS settings
> for
> > chasing
> > balloons. I now need to document the TNC
> settings. When
> > someone has a chance, can you look at your car's
> TNC and
> > let me
> > know your settings? The one I know now is the
> MYCALL.
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> > than that, I don't know what the settings should
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> > I guess LT buffers need to be set up if you're
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> > to the TNC's second comm port. Then you'd also
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> > the second comm port (I have that command already
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> > for TNCs on the near space capsule).
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> > If you don't run a second comm port on the TNC

> then you
> > must
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> > Paul
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5445. Re: [tvnsp] TNC Settings

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-20 05:06:46 UTC
From: Bill Herrmann
Topic: 2663 Message: 5445

At 05:10 PM 12/19/02 -0800, Jeff Melanson wrote:
>Do you want to borrow my KPC-3+ User's Guide?

FYI you can also download a PDF version from Kantronics. I keep one on the laptop so I have it available. (If I don't have the laptop I won't be changing parameters anyway.)

Bill

5446. Re: [tvnsp] More APRS Questions

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-20 05:57:43 UTC
From: Bill Herrmann
Topic: 5431 Message: 5446

At 04:27 PM 12/19/02 -0700, Randy Farley wrote:
>This is the one weak point of APRS+; poor documentation.%#@!!

Poor heck! Poor would be an improvement! It's non-existent!

I love the program and think it's far better in many ways than the other alternatives, but I sure wish Brent would document more. There are obviously some really cool things you can do, but you're gonna have to ask how! (for instance - you can do path substitution based on several factors - I've got a sketchy outline but not enough to really work from)

I think it was John that mentioned being careful of using Kantronics specific commands since not everybody uses them. I'll expand that to mention that most people are gonna stick with the APRS client program that they know. We did some testing prior to the Women's Challenge bike race. The way that some features are implemented is far different in the other programs. I can find strengths in each of them and weaknesses too. I, personally, am quite happy with APRS+SA but your chances of getting people to switch are low.

Bill

5447. Re: [tvnsp] TNC Settings

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-20 05:42:32 UTC
From: Bill Herrmann
Topic: 2663 Message: 5447

At 05:39 PM 12/19/02 -0700, Randy Farley wrote:
>I just use BLT 1 00:05:00. Is this too low or high?

It's probably reasonable. I've got 3 alternating paths set up, but effectively I beacon every 5 minutes too.

>GPShead 1 is set to $GPGGA

I generally use the $GPRMC string because it gives heading and speed so it permits dead reckoning. I figure my altitude should be at ground level. (I hope!)

In the bike race trackers we use both strings so we can do an altitude profile display. AFAIK that's a WinAPRS feature. I don't know of a way to do it in APRS+SA.

Bill

5448. Re: [tvnsp] TNC Settings

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-20 05:46:09 UTC
From: Bill Herrmann
Topic: 2663 Message: 5448

>One Note not to overlook: If using a KPC+ the INT command
>should be set to "TERMINAL" and GPSPORT needs to be set

Paul - You probably should note in your book that you must have a KPC3+ with version 8.3 (or higher) firmware to support the GPSPORT. It is not available prior to version 8.3. I know that KPC3+ TNCs were built with 8.2 firmware and I've heard rumors that they had at least one earlier version too.

An upgrade is available from Kantronics but it's relatively spendy. (About $60 last I checked.)

Bill

5449. Re: [tvnsp] TNC Settings

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-20 13:46:22 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 2663 Message: 5449

It's not so much the the users guide that I need to see, I just need to know what has been useful to us during chase. I guess I'm looking for real world examples.

I'll use the guide when I need to explain the settings.

Paul

> Paul,
>
> Do you want to borrow my KPC-3+ User's Guide? I have two of
> them.
>
> Jeff
> KD7INN
>
> verhap@... wrote:
> >
> > I pretty much have documented the APRS settings for
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> > know your settings? The one I know now is the MYCALL.
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> > I guess LT buffers need to be set up if you're connecting
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> > what TNC settings are use and what APRS setting to change
> > (if
> > any).
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> > Thanks for your help. I added three pages to Chapter 11
> > last night
> > just explaining how to add the second comm port to the TNC

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> > how to connect the GPS and HT.
> >
> > Paul
> >
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5450. Re: [tvnsp] TNC Settings

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-21 13:52:12 UTC
From: Randy Farley
Topic: 2663 Message: 5450

OOp's
I use $GPRMC for chase also. For everyday use i alternate with
$GPGGA.

Referring back to an earlier post about "no" documentation,i
was a little unfair. The below link has some good help for beginners.
It would just be nicer if it was in the program ;)
The Canadian link is really good to a point,just never finished.

http://www.manistique.org/main/APRS/APRS+SAhelp.html

Bill Herrmann wrote:
>
> At 05:39 PM 12/19/02 -0700, Randy Farley wrote:
> >I just use BLT 1 00:05:00. Is this too low or high?
>
> It's probably reasonable. I've got 3 alternating paths set up, but
> effectively I beacon every 5 minutes too.
>
> >GPShead 1 is set to $GPGGA
>
> I generally use the $GPRMC string because it gives heading and speed so it
> permits dead reckoning. I figure my altitude should be at ground level. (I
> hope!)
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> In the bike race trackers we use both strings so we can do an altitude
> profile display. AFAIK that's a WinAPRS feature. I don't know of a way to
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> Bill
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Regards,

Randy Farley
N7GPS -Ham Call-
My QTH at: http://map.findu.com/n7gps
Find Me Mobile at: http://map.findu.com/n7gps-9

5451. Re: [tvnsp] TNC Settings

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-21 14:22:38 UTC
From: Randy Farley
Topic: 2663 Message: 5451

John brings up a good point.

I would not focus too much on the KPC's.
Even though they are the best TNC's for "doing it all"
with APRS. All other tnc's are very useful and adequate
for the casual APRS tracker and base monitoring station.
We don't want to make newbies think they cannot
participate because they don't have a Kantronic tnc.
Even a soundcard will will alow participation.

This was one of the problems in the early days of APRS.
Everyone thought you had to have a gps to play.
Make sure people understand any tnc will work.

For a balloon however,KPC's or TT's do rule
for now.

John Knapp wrote:
>
> I would keep the TNC user information as generic as
> possible. Not everyone uses KPC-3+ TNC. And the way
> electronics change, it could be out of date before it
> is published.
>
> My half-cents worth.
> JohnK (a non-KPC user)
>
> --- Jeff Melanson <kd7inn@...> wrote:
> > Paul,
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> > > Thanks for your help. I added three pages to
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> > >
> > > Paul
> > >
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Regards,

Randy Farley
N7GPS -Ham Call-
My QTH at: http://map.findu.com/n7gps
Find Me Mobile at: http://map.findu.com/n7gps-9

5452. Re: [tvnsp] TNC Settings

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-20 06:22:37 UTC
From: Mike Manes
Topic: 2663 Message: 5452

Hi Paul,

I've found the LTR feature in the KPC3+ V8.x to be especially useful as a postflight record of selected NMEA sentences. IF you tell it to log the $GPGGA sentence at a 30 sec or longer beacon rate and give 32K of RAM to the LTR, you can get the full record of a flight from launch to post-recovery shutdown. I've even tracked the parachute drag over 100 yards after landing! Of course, this applies only to the balloon-borne APRS module :=}

73 de Mike W5VSI
--
Mike Manes manes@... Tel: 303-979-4899
"Things should be made as simple as possible, but not more so." A. Einstein

5453. Re: [tvnsp] TNC Settings

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-23 15:22:33 UTC
From: Randy Farley
Topic: 2663 Message: 5453

Very interesting Mike

Could you give us a sample command and parameter setting?
I have never used this command but always wondered
how to use it.

Happy Holidays

Mike Manes wrote:
>
> Hi Paul,
>
> I've found the LTR feature in the KPC3+ V8.x to be especially useful
> as a postflight record of selected NMEA sentences. IF you tell it
> to log the $GPGGA sentence at a 30 sec or longer beacon rate and
> give 32K of RAM to the LTR, you can get the full record of a flight
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> 73 de Mike W5VSI
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> Mike Manes manes@... Tel: 303-979-4899
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Regards,

Randy Farley
N7GPS -Ham Call-
My QTH at: http://map.findu.com/n7gps
Find Me Mobile at: http://map.findu.com/n7gps-9

5454. Re: [tvnsp] TNC Settings

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-24 06:38:54 UTC
From: Mike Manes
Topic: 2663 Message: 5454

Hi Randy,

Well, I could transcribe Kantronic's excellent instructions in the
KPC+ User Manual here, but I won't 'cuz you'll need to set things
up specific to your own needs. But I will point you to the
LTRACK and LTR commands (the latter is available only from the PBBS!)
LTRACK sets up the log, and LTR reads it back. Best to set PBBS 32
or less to make room for plenty of LTR log space. Don't enable
time stamping in LTRACK - it's redundant to the UTC time already
in the $GPGGA sentence and just takes up room. If you want to
read the full LTR log, just enter the PBBS from the serial port
and say:
LTR 1000
That will pull back the full log, up to 1000 entries, whcih is more
than the LTR can hold. This will yield a 32K byte listing in
INVERSE time order (newest entry first, oldest last). Once you've
saved that dump to a .txt file, you can import it to Office Excel
as a comma-delimited file, sort by UTC time, convert m to ft and
plot alt vs. time, etc.
But please do read the book - you'll need it!

73 de Mike W5VSI, EOSS

Randy Farley wrote:
>
> Very interesting Mike
>
> Could you give us a sample command and parameter setting?
> I have never used this command but always wondered
> how to use it.
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> Happy Holidays
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> Mike Manes wrote:
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Mike Manes manes@... Tel: 303-979-4899
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Einstein

5455. Re: [tvnsp] TNC Settings

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-24 21:15:33 UTC
From: Randy Farley
Topic: 2663 Message: 5455

Thanks Mike

I read the book but did not fully understand how to use it.
Your explanation was much better.
I have to plug and play before some of this stuff sinks in ;)
Check my question inserted below to see if i read the book correctly.

Mike Manes wrote:
>
> Hi Randy,
>
> Well, I could transcribe Kantronic's excellent instructions in the
> KPC+ User Manual here, but I won't 'cuz you'll need to set things
> up specific to your own needs. But I will point you to the
> LTRACK and LTR commands (the latter is available only from the PBBS!)

Did you mean the LTR command is available from MYPBBS instead ?

> LTRACK sets up the log, and LTR reads it back. Best to set PBBS 32
> or less to make room for plenty of LTR log space. Don't enable
> time stamping in LTRACK - it's redundant to the UTC time already
> in the $GPGGA sentence and just takes up room. If you want to
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> > Regards,
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5456. Re: [tvnsp] TNC Settings

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-25 00:22:27 UTC
From: Mike Manes
Topic: 2663 Message: 5456

Hi Randy,

Great! It's very important to keep that manual handy. I bring it out
to the launch site in case there's a last-minute hoo-hah that needs
fixed!

And yeah - the LTR command is accessible only thru your PBBS. But
MYPBBS is most likely NOT your PBBS alias - in fact, I'd recommend that
you not use that one, since it's a special keyword used to blow away
a user who is tying the box up: from the console at the command line:
DISCONNECT MYPBBS will do it. This will also work if you're into
your mailbox as sysop thru the console, and accidentally get out via
a <ctrl-C> rather than Bye. BTW, the way you get into the mailbox
from the console is: Connect <my pbbs alias>
Now, the LTR command is also available over the radio port is you
don't set the SYSOP switch on the LTRACK command. This could be a
blessing or a curse. If you do want to have access to the LTR via
the radio port but restrict it to all other users, then set the
SYSOP switch and go into the remote sysop mode via the radio port;
this mode is essentially identical to being on the serial port, but
you do have to be VERY careful about some of the commands that can
RESET or RESTART the TNC! See the book on Remote Sysop mode.

73 es Merry Xmas!
de Mike W5VSI

Randy Farley wrote:
>
> Thanks Mike
>
> I read the book but did not fully understand how to use it.
> Your explanation was much better.
> I have to plug and play before some of this stuff sinks in ;)
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> Did you mean the LTR command is available from MYPBBS instead ?
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> > But please do read the book - you'll need it!
> >
> > 73 de Mike W5VSI, EOSS
> >
> > Randy Farley wrote:
> > >
> > > Very interesting Mike
> > >
> > > Could you give us a sample command and parameter setting?
> > > I have never used this command but always wondered
> > > how to use it.
> > >
> > > Happy Holidays
> > >
> > > Mike Manes wrote:
> > > >
> > > > Hi Paul,
> > > >
> > > > I've found the LTR feature in the KPC3+ V8.x to be especially useful
> > > > as a postflight record of selected NMEA sentences. IF you tell it
> > > > to log the $GPGGA sentence at a 30 sec or longer beacon rate and
> > > > give 32K of RAM to the LTR, you can get the full record of a flight
> > > > from launch to post-recovery shutdown. I've even tracked the
> > > > parachute drag over 100 yards after landing! Of course, this
> > > > applies only to the balloon-borne APRS module :=}
> > > >
> > > > 73 de Mike W5VSI
> > > > --
> > > > Mike Manes manes@... Tel: 303-979-4899
> > > > "Things should be made as simple as possible, but not more so." A.
> > > > Einstein
> > > >
> > > >
> > > > To unsubscribe from this group, send an email to:
> > > > tvnsp-unsubscribe@egroups.com
> > > >
> > > >

> > > >
> > > > Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
> > > >
> > > > --
> > > > Regards,
> > > >
> > > > Randy Farley
> > > > N7GPS -Ham Call-
> > > > My QTH at: http://map.findu.com/n7gps
> > > > Find Me Mobile at: http://map.findu.com/n7gps-9
> > > >
> > > > To unsubscribe from this group, send an email to:
> > > > tvnsp-unsubscribe@egroups.com
> > > >
> > > >
> > > >
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> > >
> > > --
> > > Mike Manes manes@... Tel: 303-979-4899
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> > >
> > >
> > > Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/
> >
> > --
> > Regards,
> >
> > Randy Farley
> > N7GPS -Ham Call-
> > My QTH at: http://map.findu.com/n7gps
> > Find Me Mobile at: http://map.findu.com/n7gps-9
> >
> > To unsubscribe from this group, send an email to:
> > tvnsp-unsubscribe@egroups.com
> >
> >
> >
> > Your use of Yahoo! Groups is subject to http://docs.yahoo.com/info/terms/

--
Mike Manes manes@... Tel: 303-979-4899
"Things should be made as simple as possible, but not more so." A.
Einstein

5457. I'm Back

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-28 21:01:08 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3093 Message: 5457

Well, that was a nice time.

When I left Caldwell, all was fine. When I left Boise, the snow started up. It took and additional hour to reach Twin Falls. I couldn't drive the speed limit until I was near SLC. In Alamogordo they received enough snow to close the main road for a couple of hours. I missed going to the mineral display in Scorro, but did get a load of laundry done instead. The sun shines south of Salt Lake City.

I have a couple of notes I'd like to share.

Kitaro has a song called Howling Thunder. Mike, can we put part of it on the webpage? I'd like it as a "theme" song for TVNSP. I can drop off the CD if you'd like. What limits are there regarding us putting some copyrighted music on our webpage?

How about a motto for TVNSP? I was thinking of the following, "It's not just amateur science, it's an adventure".

Randy, can I stop by during winter break and show you the settings I'm documenting for the TNC and APRS? I'd like to run through each one and verify they make sense. Call me at 631-7162, as I won't be back into the office until Monday.

Do we know enough details to publish TVNSP's planned launches on the website?

5458. Re: [tvnsp] I'm Back

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-29 00:54:35 UTC
From: Jeff Melanson
Topic: 3093 Message: 5458

Paul,

I don't know the song but I'll vote for the motto.
I think it's to early to post next year's flights but how
about the BASIC Stamp classes? What date is the first class?
Was it the first Saturday in January? What time? I think the
time was 12 or 1 pm.
Can someone confirm?

Jeff

verhap@... wrote:
>
> Well, that was a nice time.
>
> When I left Caldwell, all was fine. When I left Boise,
> the snow
> started up. It took and additional hour to reach Twin
> Falls. I
> couldn't drive the speed limit until I was near SLC. In
> Alamogordo
> they received enough snow to close the main road for a
> couple of
> hours. I missed going to the mineral display in Scorro,
> but did get
> a load of laundry done instead. The sun shines south of
> Salt Lake
> City.
>
> I have a couple of notes I'd like to share.
>
> Kitaro has a song called Howling Thunder. Mike, can we
> put part
> of it on the webpage? I'd like it as a "theme" song for
> TVNSP. I
> can drop off the CD if you'd like. What limits are there
> regarding us
> putting some copyrighted music on our webpage?
>
> How about a motto for TVNSP? I was thinking of the
> following,
> "It's not just amateur science, it's an adventure".
>
> Randy, can I stop by during winter break and show you the
> settings I'm documenting for the TNC and APRS? I'd like
> to run

> through each one and verify they make sense. Call me at
> 631-
> 7162, as I won't be back into the office until Monday.
>
> Do we know enough details to publish TVNSP's planned
> launches
> on the website?
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
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> of Service.

5459. RE: [tvnsp] I'm Back

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-29 01:53:21 UTC
From: Mike Rogers
Topic: 3093 Message: 5459
Attachments: 1 described; binary payloads are missing from this source WARC

Paul,

It this the Kitaro song (it's only a clip)?

http://www.content.loudeye.com/scripts/hurl.exe?clipid=015326401070006550&cid=600109

-----Original Message-----
From: Jeff Melanson [mailto:kd7inn@...]
Sent: Saturday, December 28, 2002 5:55 PM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] I'm Back

Paul,

I don't know the song but I'll vote for the motto.
I think it's to early to post next year's flights but how
about the BASIC Stamp classes? What date is the first class?
Was it the first Saturday in January? What time? I think the
time was 12 or 1 pm.
Can someone confirm?

Jeff

verhap@... wrote:
>
> Well, that was a nice time.
>
> When I left Caldwell, all was fine. When I left Boise,
> the snow
> started up. It took and additional hour to reach Twin
> Falls. I
> couldn't drive the speed limit until I was near SLC. In
> Alamogordo
> they received enough snow to close the main road for a
> couple of
> hours. I missed going to the mineral display in Scorro,
> but did get
> a load of laundry done instead. The sun shines south of
> Salt Lake
> City.
>
> I have a couple of notes I'd like to share.
>
> Kitaro has a song called Howling Thunder. Mike, can we
> put part
> of it on the webpage? I'd like it as a "theme" song for

> TVNSP. I
> can drop off the CD if you'd like. What limits are there
> regarding us
> putting some copyrighted music on our webpage?
>
> How about a motto for TVNSP? I was thinking of the
> following,
> "It's not just amateur science, it's an adventure".
>
> Randy, can I stop by during winter break and show you the
> settings I'm documenting for the TNC and APRS? I'd like
> to run
> through each one and verify they make sense. Call me at
> 631-
> 7162, as I won't be back into the office until Monday.
>
> Do we know enough details to publish TVNSP's planned
> launches
> on the website?
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
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tvnsp-unsubscribe@egroups.com

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5460. Re: [tvnsp] I'm Back

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-29 16:01:29 UTC
From: Jeff Melanson
Topic: 3093 Message: 5460

Mike,

That's the song. I recognize it now that I've heard it. Paul
has played it for us.

Jeff

Mike Rogers wrote:
>
> Paul,
>
> It this the Kitaro song (it's only a clip)?
>
> http://www.content.loudeye.com/scripts/hurl.exe?clipid=015326401070006550&cid=600109
>
> -----Original Message-----
> From: Jeff Melanson [mailto:kd7inn@...]
> Sent: Saturday, December 28, 2002 5:55 PM
> To: tvnsp@yahoogroups.com
> Subject: Re: [tvnsp] I'm Back
>
> Paul,
>
> I don't know the song but I'll vote for the motto.
> I think it's to early to post next year's flights but how
> about the BASIC Stamp classes? What date is the first
> class?
> Was it the first Saturday in January? What time? I think
> the
> time was 12 or 1 pm.
> Can someone confirm?
>
> Jeff
>
> verhap@... wrote:
> >
> > Well, that was a nice time.
> >
> > When I left Caldwell, all was fine. When I left Boise,
> > the snow
> > started up. It took and additional hour to reach Twin
> > Falls. I
> > couldn't drive the speed limit until I was near SLC. In
> > Alamogordo
> > they received enough snow to close the main road for a
> > couple of

> > hours. I missed going to the mineral display in Scorro,
> > but did get
> > a load of laundry done instead. The sun shines south of
> > Salt Lake
> > City.
> >
> > I have a couple of notes I'd like to share.
> >
> > Kitaro has a song called Howling Thunder. Mike, can we
> > put part
> > of it on the webpage? I'd like it as a "theme" song for
> > TVNSP. I
> > can drop off the CD if you'd like. What limits are
> there
> > regarding us
> > putting some copyrighted music on our webpage?
> >
> > How about a motto for TVNSP? I was thinking of the
> > following,
> > "It's not just amateur science, it's an adventure".
> >
> > Randy, can I stop by during winter break and show you
> the
> > settings I'm documenting for the TNC and APRS? I'd like
> > to run
> > through each one and verify they make sense. Call me at
> > 631-
> > 7162, as I won't be back into the office until Monday.
> >
> > Do we know enough details to publish TVNSP's planned
> > launches
> > on the website?
> >
> > To unsubscribe from this group, send an email to:
> > tvnsp-unsubscribe@egroups.com
> >
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>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
> Your use of Yahoo! Groups is subject to
> http://docs.yahoo.com/info/terms/
>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
> Your use of Yahoo! Groups is subject to the Yahoo! Terms
> of Service.

>
> Part 1.2 Type: application/ms-tnef
> Encoding: base64

5461. Re: [tvnsp] I'm Back

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-30 17:30:43 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3093 Message: 5461

> I don't know the song but I'll vote for the motto.
> I think it's to early to post next year's flights but how
> about the BASIC Stamp classes? What date is the first class?
> Was it the first Saturday in January? What time? I think the
> time was 12 or 1 pm.
> Can someone confirm?

We'll start the second Saturday.

I don't recall the time, but we need to select one. The doors at the campus are locked and someone has to stand by them to let people in.

Paul

5462. RE: [tvnsp] I'm Back

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-30 17:33:52 UTC
From: verhap@occ1.sd01.k12.id.us
Topic: 3093 Message: 5462

> Paul,
>
> It this the Kitaro song (it's only a clip)?
>
> http://www.content.loudeye.com/scripts/hurl.exe?clipid=015326401070006550&cid=600109

That's it.

What's everyone think?

Paul

5463. Re: [tvnsp] I'm Back

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-30 19:58:38 UTC
From: John Knapp
Topic: 3093 Message: 5463

I believe the time was from 1:00pm to 4:00pm.

JohnK
--- verhap@... wrote:
> > I don't know the song but I'll vote for the motto.
> > I think it's to early to post next year's flights
> but how
> > about the BASIC Stamp classes? What date is the
> first class?
> > Was it the first Saturday in January? What time? I
> think the
> > time was 12 or 1 pm.
> > Can someone confirm?
>
> We'll start the second Saturday.
>
> I don't recall the time, but we need to select one.
> The doors at the
> campus are locked and someone has to stand by them
> to let
> people in.
>
> Paul
>

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http://mailplus.yahoo.com

5464. Class Schedule

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-31 00:14:54 UTC
From: Jeff Melanson
Topic: 5464 Message: 5464
Attachments: 4 described; binary payloads are missing from this source WARC

The second Saturday in January is the 11th.
I suggest we start at 1 pm.
Can we make this official? Does this work for most of us?

KD7INN

5465. Re: [tvnsp] Class Schedule

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-31 04:53:51 UTC
From: Stephanie Steele
Topic: 5464 Message: 5465

Murphy is at work again. I am working Saturday's starting on the 11th.
I've had every Saturday off in December! My next Saturday off is the
February 8.

Stephanie

Jeff Melanson wrote:
>
> The second Saturday in January is the 11th.
> I suggest we start at 1 pm.
> Can we make this official? Does this work for most of us?
>
> KD7INN
>
>
> _____
> <http://www.incredimail.com/redir.asp?ad_id=309&lang=9> /IncrediMail/ -
> *Email has finally evolved* - *_Click Here_*
> <http://www.incredimail.com/redir.asp?ad_id=309&lang=9>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to the Yahoo! Terms of Service
> <http://docs.yahoo.com/info/terms/>.

--
Stephanie

****

Friends are quiet angels who lift us to our feet when our wings have
trouble remembering how to fly.

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

Send and receive money safely over the Internet by using PayPal. I use
it and highly recommend it as a safe and reliable means to conduct
business. By using the link below we both will receive a $5 sign up bonus.

https://www.paypal.com/refer/pal=kc7dba%40arrl.net

****

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de recta non tolerandum sunt

5466. Re: [tvnsp] Class Schedule

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-29 05:10:54 UTC
From: Jeff Melanson
Topic: 5464 Message: 5466
Attachments: 3 described; binary payloads are missing from this source WARC

Hi Stephanie,

That's means you would only miss the first three classes. There will likely
be several classes.
The class material can be sent to you and I'd be more than happy to help you
catch up. I'll bet some others would help too. We can always meet before
class at my house to finish our homework at the last second.

KD7INN

-------Original Message-------

From: tvnsp@yahoogroups.com
Date: Tuesday, December 31, 2002 12:31:39 AM
To: tvnsp@yahoogroups.com
Subject: Re: [tvnsp] Class Schedule

Murphy is at work again. I am working Saturday's starting on the 11th.
I've had every Saturday off in December! My next Saturday off is the
February 8.

Stephanie

Jeff Melanson wrote:
>
> The second Saturday in January is the 11th.
> I suggest we start at 1 pm.
> Can we make this official? Does this work for most of us?
>
> KD7INN
>
>
> ~~~~~~
> <http://www.incredimail.com/redir.asp?ad_id=309&lang=9> /IncrediMail/ -
> *Email has finally evolved* - *_Click Here_*
> <http://www.incredimail.com/redir.asp?ad_id=309&lang=9>
> To unsubscribe from this group, send an email to:
> tvnsp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to the Yahoo! Terms of Service
> <http://docs.yahoo.com/info/terms/>.

--
Stephanie

****

Friends are quiet angels who lift us to our feet when our wings have
trouble remembering how to fly.

****

"They that can give up essential liberty to obtain a little temporary
safety deserve neither liberty nor safety."

Benjamin Franklin (1706-1790), Letter to Josiah Quincy, Sept. 11, 1773.

"Those who desire to give up freedom in order to gain security will not
have, nor do they deserve, either one."

President Thomas Jefferson.
1743-1826

****

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it and highly recommend it as a safe and reliable means to conduct
business. By using the link below we both will receive a $5 sign up bonus.

https://www.paypal.com/refer/pal=kc7dba%40arrl.net

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5467. ARHAB Records - 2002 Q4 update

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-31 14:01:22 UTC
From: Ralph Wallio, W0RPK
Topic: 5467 Message: 5467

My thanks to everyone for another great year of Amateur Radio High Altitude Ballooning! We established seven new 1-2-3 records in 2002. Rumor has it we will see even more in 2003. Keep 'em coming folks. Record entries define our collective state-of-the-art.

Note that *Ratio of Released v. Recovered Payloads* has been changed to *Total Missions Flown*. New entries and revised counts are encouraged.

See http://users.crosspaths.net/wallio/RECORDS.html for all record entries and details.

TNX es 73 de Ralph Wallio, W0RPK
wallio@...
http://members.crosspaths.net/wallio
Hubbert's Peak: The Mother of all Perfect Storms

Highest GPS Reported Altitude (12 entries)
1. Norm Kjome (KB7ZJT) 20Mar99 120,522ft ASL (SA)
2. SSOK (WB?DRL) 08Jan00 117,460ft ASL (SA)
3. KNSP-99A (KD4STH) 06Feb99 114,399ft ASL (SA)

Lowest Reported Maximum Altitude (7 entries)
1. HABET-H30 (ISGC/ISU) 02Mar00 4,903ft
2. HABET-H36 (ISGC/ISU) 30Mar00 13,511ft
3. HABET-H42 (ISGC/ISU) 08Sep00 16,301ft

Highest Continuous Ascent Rate (13 entries)
1. EOSS-54 23Feb02 1584.9ft/min
2. TV?2D (TVNSP) 03Aug02 1519.2ft/min
3. EOSS-52 20Oct01 1445.4ft/min

Lowest Continuous Ascent Rate (5 entries)
1. EOSS-50 (Pioneer Astronautics payload) 21Apr01 221.8ft/min
2. TV01D (TVNSP) 30Jun01 326.4ft/min
3. HABET-H43 (ISGC/ISU) 21Nov00 449.5ft/min

Longest Great Circle Distance (14 entries)
1. SSOK (WB?DRL) 08Jan00 703.02 Miles (Floater)
2. NS0-1 (NSBG/N3KKM) 25Mar00 152.73 Miles
3. EOSS-50 (Pioneer Astronautics payload) 21Apr01 138.79 Miles

Shortest Great Circle Distance (9 entries)
1. HABITAT SKYLAB (KA?JLF) 25Sep99 8.71 Miles
2. NS1-1 (NSBG/N3KKM) 28Apr01 9.80 Miles
3. KNSP-99E (KD4STH) 20Jun00 9.89 Miles

Longest Mission In Time (8 entries)
1. SSOK (WB?DRL) 08Jan00 14:01:39>19:28:10 5h26m31s
2. HamBONE-LD1 27Jun01 10:12>14:50z 4h38m
3. BEAR-1 27May00 15:13:33>19:46:36 4h33m03s

Heaviest Payload (4 entries)
1. Project HALO Rockoon (WB8ELK-KE4ROC-K4ZQM) 11May97 92.0 Pounds
2. HABET-H42 (ISGC/ISU) 08Sep00 49.0 Pounds
3. HABET-H43 (ISGC/ISU) 21Nov00 43.0 Pounds

Lightest payload (11 entries)
1. ITA-2 (Into Thin Air/KA2QPG) 19Mar00 0.21 Pounds
2. SQ3 (SkyQuest/N1LTV) 21May00 0.41 Pounds
3. ITA-3 (Into Thin Air/KA2QPG) 04Jun00 0.46 Pounds

Largest Balloon Envelope(s) (6 entries)
1. EOSS-50 21Apr01 52,729ft^3 KCI-3000 and 3xKCI-600
2(Tie). HABET-H42 (ISGC/ISU) 08Sep00 40,904ft^3 KCI-3000 and 2xKCI-100
2(Tie). HABET-H43 (ISGC/ISU) 21Nov00 40,904ft^3 KCI-3000 and 2xKCI-100

Smallest Balloon Envelope (1 entry)
1. SQ3 (SkyQuest/N1LTV) 21May00 500ft^3 KCI-200

Greatest Telemetry Downlink Reception Range (Two Categories)
VHF/UHF near line-of-sight (9 entries)
1. NSTAR-02F (N9XTN) 02Nov02 K5OL<Telemetry 440.5 Miles
2. NSTAR-02F (N9XTN) 02Nov02 K9KK<Telemetry 439.2 Miles
3. EOSS-52 20Oct01 KC?IUW & KC?IUY<Telemetry 394.1 Miles
HF via any mode of propagation (2 entries)
1. ITA-5 (Into Thin Air/KA2QPG) 15Nov00 W6VIO (N5BF opr)<Telemetry 2437
Miles
2. ITA-3 (Into Thin Air/KA2QPG) 04Jun2000 W?RPK<Telemetry 983 Miles

Greatest Two-Way QSO Repeating/Transponding Great Circle Distance (7
entries)
1. EOSS-46 14Jan01 N?KQX<>N7DMO - 526 Miles
2. HABITAT SkyLab 07sep02 K9KK<>W?RPK - 478 Miles
3. HABITAT SkyLab 07sep02 K9KK<>K?RL - 460 Miles

Total Missions Flown (8 entries) (revised category)
1. EOSS (Edge of Space Sciences) 62 18Nov90-16Nov02
2. KNSP (KD4STH) 19 02Nov96-10Jul99
3. NSTAR (N9XTN) 13 07Oct00-02Nov02

Longest Recovery Time (5 entries)
1. ROMEG-1 (W4ETV) 04Jul90-18Apr92 653 Days
2. HamBONE-LD1 27Jun01-10Feb02 228 Days
3. Bill Brown, WB8ELK 09May98-04Dec98 209 Days

Touchdown Prediction Closest to Actual Coordinates (31 entries)
1. Eric Hauber ISU/HABET-L53 26Sep01 10kCC 0.23 Miles
2. Rick von Glahn, N?KKZ EOSS-57A 22Jun02 96kNB 1.09 Miles
3. Bill All, N3KKM NSTAR-01B 19May01 95kNB 1.25 Miles

5474. Re: [tvnsp] TVNSP Motto

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-30 18:06:20 UTC
From: Jeff Melanson
Topic: 5469 Message: 5474
Attachments: 1 described; binary payloads are missing from this source WARC

Yes you mentioned it. I voted for it. I don't think anyone else has yet.
Jeff

-------Original Message-------

From: tvnsp@yahoogroups.com
Date: Wednesday, January 01, 2003 01:28:57 PM
To: tvnsp@yahoogroups.com
Subject: [tvnsp] TVNSP Motto

I have an idea for a TVNSP Motto*. How's this,

It's not just amateur science, it's an adventure.

Paul

* Did I mention this before?

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5475. Re: [tvnsp] Rocket Meeting

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-30 18:11:44 UTC
From: Jeff Melanson
Topic: 5470 Message: 5475
Attachments: 1 described; binary payloads are missing from this source WARC

I'll see if I can go. I can bring my small capsule and some photographs.

Jeff
-------Original Message-------

From: tvnsp@yahoogroups.com
Date: Wednesday, January 01, 2003 01:23:28 PM
To: tvnsp@yahoogroups.com
Subject: [tvnsp] Rocket Meeting

The high power rocketry group in Boise is meeting this Friday at
the Idaho Pizza on Glenwood and State at 7:00 PM. I plan to visit
with them and show what TVNSP has accomplished. Is anyone
else interested in visiting with them?

Paul

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5482. Re: [tvnsp] Active Descent Control

Yahoo group: tvnsp (2000 — 2002)
Date: 2002-12-30 20:09:08 UTC
From: Jeff Melanson
Topic: 5480 Message: 5482
Attachments: 1 described; binary payloads are missing from this source WARC

Tony,

Go to HABLIC's web site and click on RGS Recovery Guidance System.

http://cosmos.ssol.iastate.edu/HABET/

The biggest problem is the parafoil. They are very expensive or if you decide to make one they are difficult to make.
Here are some other links of interest.

http://www.powerglider.com/home.htm

http://members.shaw.ca/sonde/index.htm

http://whirlwind100.nssl.noaa.gov/teams/western/glidersonde/

http://www.airfoilaviation.com/1-2scale.html

Jeff

-------Original Message-------

From: tvnsp@yahoogroups.com
Date: Wednesday, January 01, 2003 03:19:50 PM
To: tvnsp@yahoogroups.com
Subject: [tvnsp] Active Descent Control

Hello TVNSP members,

I’ve been thinking about this for a while, and with the Basic Stamp classes coming up, I’m thinking this might be a project we should consider.

What if we had some more control over the “flight” path during descent? I read once about a balloon group that dropped a glider with a GPS driven “homing” autopilot in it. The glider landed within about 60 meters of the launch point (as programmed) after a three hour 60 mile balloon flight.

In these modern times both military and sport skydivers use steerable parachutes. Why not put a steerable parachute on our capsules? We could steer it from the ground, or we could develop some kind of autopilot. My point is, that when flying over Idaho, having just a little bit of descent control could greatly enhance our chances of a safe, speedy, and convenient recovery.

I don’t know about all the flight rules, but if the capsules were really gliders we might be able to land just as soft or softer with no parachute at all. I realize the gliders are more like rocks above 20,000 feet, but if we could somehow get these craft into a gliding attitude by 10,000 feet, …

Using the Alinco HTs it seems there is a receiver already onboard that is using battery power but not doing much of anything else most of the time. Perhaps we decode DTMF tones to control “flight”. I’ve never skydived, but from what I’ve seen, they just have a couple of control lines that they pull one way or another to steer. Even just rudder control could be enough to keep a glider out of the river.

Any interest in developing Active Descent Controls?

Your comments, both negative and positive, are invited.

Tony –